March 8, 2010 ARCADIS Project No. 010-15317-13

Robert W. Hare, P.E., CHMM
Director of Environmental
Motors Liquidation Company
500 Renaissance Drive, Suite 1400
Detroit, Michigan 48243

Subject: Phase I Environmental Site Assessment
Former Moraine Assembly
MLC ID 1202
2601 West Stroop Road
Moraine, Ohio 45439

Dear Mr. Hare:

Attached is the Phase I Environmental Site Assessment (ESA) report for the above-referenced property. The conclusions presented in this report are based on the results of a reconnaissance-level site visit conducted by ARCADIS Inc. (ARCADIS) personnel and a review of available and pertinent background information.

ARCADIS appreciates this opportunity to provide our environmental consulting services to you. If you have any questions concerning this project, please contact me at (781) 356-7300.

Sincerely,

Stephen P. McCarthy
Principal Scientist

Attachments

Phase I Environmental Site Assessment
MLC ID 1202
Former Moraine Assembly Facility
2601 West Stroop Road,
Moraine, Ohio 45439

March 8, 2010
ARCADIS Project No. 010-15317-13

Prepared for
Motors Liquidation Company
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Prepared by
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LFR an ARCADIS company

The environmental assessment described herein was conducted by the undersigned, of ARCADIS U.S., Inc. (ARCADIS). ARCADIS' investigation consisted solely of the activities described in the Introduction of this report, in accordance with ARCADIS Proposal No. P10-05008-09-718, and is subject to the Terms and Conditions of the Standard Consulting Services Agreement signed prior to initiation of the assessment.

Report Prepared By:

_____ for
Todd J. Aebie
Staff Geologist

Report Reviewed By:

_____
Stephanie Lynch
Environmental Specialist

EXECUTIVE SUMMARY

ARCADIS U.S., Inc. (ARCADIS) performed a Phase I Environmental Site Assessment (ESA) of the former General Motors Corporation (GM) Moraine Assembly Facility located at 2601 West Stroop Road; Moraine, Ohio 45439 (the Site). The facility includes the former General Motors Truck Group and Moraine Assembly Plant (former Moraine Assembly) The Site consists of approximately 239 acres of land that is improved with an approximately 4,100,000-square foot former automobile painting and assembly buildings that includes offices, cafeteria, storage, paint room, parts storage, and assembly of sport utility vehicles. Throughout its history, the Site has been industrial in nature and has produced appliances and automobiles.

The former GM Moraine Assembly Facility (Site) which is part of the GM Moraine Facilities and is collectively known, encompasses three adjacent properties: the former General Motors Powertrain, Moraine Engine Plant (former Moraine Engine; adjacent property to the west), the former Delphi Harrison Thermal Systems Moraine Plant (former Delphi Thermal Moraine; located west of the former Moraine Engine plant), and the closed South Settling Lagoon (located west of the former Delphi Thermal Moraine plant, west of Dryden Road). All of the properties were formerly owned by GM and had a history of operations which spanned across the properties. Throughout this Phase I Report, several of the former GM properties are mentioned in relation to the former Moraine Assembly Site because of the historic and current nature of the operations.

According to historical resources reviewed, it appears the Site was first developed in the early 1950s as part of the Frigidaire Corporation, a former division of GM, producing appliances from the late 1950s until 1979. GM announced the shutdown of all Frigidaire operations in January 1979. During 1980 and 1981, the majority of the former Frigidaire Plant 2 was converted to the former Moraine Engine facility, and the former Frigidaire Plant 3 and the northeast corner of former Frigidaire Plant 2 were converted to the former Moraine Assembly facility. Since 1981, former Moraine Assembly operations have included the manufacture, assembly, and painting of small trucks and later sport utility vehicles. In June 2008, GM announced plans to shut down the Moraine Assembly plant. Closure of the plant occurred in December 2008. Decommissioning of the plant buildings was completed in 2009 and the buildings are currently vacant.

The purpose of the Phase I ESA is to identify, to the extent feasible pursuant to the processes prescribed in the American Society for Testing and Materials (ASTM) document E 1527-05, recognized environmental conditions (RECs) in connection with the Site. A summary of our key findings is provided below:

- ARCADIS reviewed several of the Areas of Interest (AOIs) which have been listed in prior reports and are part of the Administrative Order to implement Resource Conservation and Recovery Act (RCRA) Corrective Action. The AOIs are all at different stages of investigation, remediation, or closure. Groundwater monitoring wells were observed throughout the facility that are used for monitoring and conducting remediation efforts on groundwater contamination. The groundwater contamination is primarily limited to volatile organic compounds (VOCs). Current groundwater remediation strategies include pump and treatment of groundwater, the introduction of media to enhance in-situ bioremediation, and natural attenuation of groundwater.
- The Site formerly utilized several Underground Storage Tanks (USTs). Removal and remediation of many of the USTs formerly has occurred at the Site. No Further Action (NFA) has been issued by State of Ohio Fire Marshall Bureau of Underground Storage Tanks Regulations (BUSTR) for USTs located at the former Moraine Assembly Facility.
- Within the buildings present at the Site, there are areas with known asbestos. Within the current Administration Building, asbestos is present within the vertical columns and pipe runs. Asbestos is also known to be present in some of the heater boards located within the current Administration Building. The likelihood exists that there are other areas within the Facility were Asbestos Containing Material (ACM) may still be present.
- Within the Assembly Building, in the final vehicle inspection area, in-ground hydraulic lifts were observed. The lifts have reportedly not been used since 1999. The hydraulic oils have been reportedly pumped out of the lifts, but it has been indicated that the employees had to add hydraulic fluid to the lifts during the operation. The hydraulic lifts were replaced by electric lifts.
- The site inspection indicated that several hazardous substances and petroleum-containing equipment are present at the Site.
- The groundwater beneath the facility has been impacted with VOCs from past uses at the Site. Several RCRA Facility Investigations (RFIs) have taken place to determine the extent of the impact to the soil and groundwater. Remediation of the groundwater is presently ongoing.
- Due to the age of the former Moraine Assembly, it is likely that lead-based paint is present on the structural steel and other painted portions of the building (former Frigidaire Plant 3). The facility tested paints before material was sent off-site for disposal if the possibility existed that lead based paint may have been present.
- The former Moraine Assembly facility has numerous pits and sumps which are located within the basement floor throughout the current Assembly Building. The pits and sumps have historically been used to collect and contain spills and drips from the process equipment. The present condition of the pits and sumps is not fully known. From the observations during the site visit, the integrity of the pits and sumps appears to be good. All of the sumps and pits reportedly have been pumped out and cleaned, but many still contain water.

- The Assembly, Paint, and Wastewater Treatment Plant buildings (Wastewater Treatment Plant was part of the former Moraine Assembly but is located on the former Delphi Thermal Moraine property to the west of the Site) maintain aboveground storage tanks (ASTs). The contents of the ASTs were removed after the plant ceased operations and during an extensive site cleaning that occurred in June and July 2009. This included all hazardous materials that are required to be reported to the State Emergency Response Commission.

Conclusion

ARCADIS performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the property located at 2601 West Stroop Road, Montgomery County, Moraine, Ohio. Any exceptions to, or deletions from, this practice are described in Section 9 of this report. This assessment has revealed evidence of the following RECs associated with the Site:

- Several AOIs have been listed in prior investigation reports and are part of the U.S. EPA Administrative Order to implement RCRA Corrective Action. The AOIs are at different stages of investigation, remediation, or closure. Several phases of RFIs have taken place to determine the extent of the impact to the soil and groundwater. Groundwater monitoring wells were observed throughout the facility for monitoring and conducting remediation efforts. The groundwater contamination is primarily limited to VOCs. Current groundwater remediation strategies include pump and treat, introduction of media to enhance in-situ bioremediation, and natural attenuation and remediation of groundwater is ongoing.
- In the final vehicle inspection area of the Assembly Building, inactive in-ground hydraulic lifts were observed. The lifts have reportedly not been used since 1999. The hydraulic oils have been reportedly pumped out of the lifts, but it has been indicated that the employees had to add hydraulic fluid to the lifts during the operation. The hydraulic lifts were replaced by electric lifts.
- Within the buildings currently present at the Site, there are areas with known asbestos. Within the current Administration Building, asbestos is present within the vertical columns and pipe runs. Asbestos is also known to be present in some of the heater boards located within the Administration Building. The likelihood exists that there are other areas within the Facility were ACM may still be present.
- The former Moraine Assembly facility has numerous pits and sumps which are located within the basement floor throughout the Assembly Building. The pits and sumps have historically been used to collect and contain spills and drips from the process equipment. The condition of the pits and sumps is not fully known.

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1.0 INTRODUCTION

ARCADIS U.S., Inc. (ARCADIS) performed a Phase I Environmental Site Assessment (ESA) of the former General Motors Corporation (GM) Moraine Assembly Facility located at 2601 West Stroop Road; Moraine, Ohio 45439 (the Site). The facility includes the former General Motors Truck Group and Moraine Assembly Plant (former Moraine Assembly) The Site consists of approximately 239 acres of land that is improved with an approximately 4,100,000–square foot former automobile painting and assembly buildings that houses offices, cafeteria, storage, paint room, parts storage, and assembly of sport utility vehicles. Throughout its history, the Site has been industrial in nature and has produced appliances and automobiles.

1.1 Purpose

Motors Liquidation Company (the Client) requested that ARCADIS conduct a Phase I ESA of the Site. The objective of the ESA was to identify recognized environmental conditions (RECs) in connection with the property, to the extent feasible pursuant to the processes prescribed in American Society for Testing and Materials (ASTM) E 1527-05 guidelines. The term "REC" as defined by the ASTM is the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or the material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

This Phase I ESA includes information gathered from federal, state, and local agencies; personal interviews with people familiar with the Site and surrounding properties; and a site visit conducted by a ARCADIS representative.

1.2 Detailed Scope of Services

The Phase I ESA conducted by ARCADIS included, but was not limited to, the following services:

- a reconnaissance-level visit of the Site to look for evidence of the release(s) of hazardous materials and petroleum products and to assess the potential for on-site releases of hazardous materials and petroleum products,
- drive-by observations of adjacent properties and the site vicinity,
- interviews with people familiar with the Site, as available,
- review of regulatory and local agency files, as necessary,

- review of historical documents, as available, and
- preparation of a report presenting our findings, including a summary of conclusions and recommendations.

1.3 Significant Assumptions

The purpose of this Phase I ESA is to provide appropriate inquiry into the previous ownership and use of the Site consistent with good commercial and customary practice in an effort to minimize liability. ARCADIS also assumes that the information provided by the Client, the regulatory database provider, and regulatory agencies is true and reliable.

1.4 Limitations and Exceptions

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ARCADIS and the original party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. To the extent that ARCADIS relied upon any information prepared by other parties not under contract to ARCADIS, ARCADIS makes no representation as to the accuracy or completeness of such information. Only the party for whom this report was originally prepared, its lenders, insurers and professionals, and other specifically named parties, may make use of and rely upon the information in this report, in its entirety, for a period not to exceed 180 days in accordance with the ASTM's "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" ASTM Designation E 1527-00 dated May 10, 2000, ASTM's "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" ASTM Designation E 1527-05 dated November 1, 2005, and/or the Code of Federal Regulations (CFR) 40 CFR Part 312 "Standards and Practices for All Appropriate Inquiries: Final Rule" dated November 1, 2005. After 180 days and prior to using the information contained herein, the report should be updated in accordance with ASTM Standards and Federal regulations.

The findings presented in this report apply solely to site conditions existing at the time when ARCADIS' assessment was performed. It must be recognized, however, that an ESA is intended for the purpose of evaluating the potential for contamination through limited research and investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. ARCADIS' ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in ESA conclusions cannot reasonably be achieved.

ARCADIS, therefore, does not provide any guarantees, certifications, or warranties (express or implied) that a property is free from environmental contamination. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and all applicable laws, codes, regulations, or standards.

1.5 User Reliance

This report is for the exclusive use of Motors Liquidation Company. Use of this report by any other party shall be at such party's sole risk.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Site consists of the former GM Moraine Assembly Facility. The facility includes former General Motors Truck Group, Moraine Assembly Plant (former Moraine Assembly) located at 2601 West Stroop Road; in Moraine, Ohio. The Site consists of approximately 239 acres. The facility is located in the City of Moraine in Montgomery County in southwestern Ohio. A small portion of the former Moraine Assembly facility is located in the City of Kettering, Ohio. The current Site structures consist of the former Moraine Assembly facility (assembly, paint shop, administrative offices and various supporting structures) that totals approximately 4,100,000 square feet. It is located along West Stroop Road, Springboro Pike, and Kettering Blvd. The Site is primarily bounded by Springboro Pike to the west, Kettering Blvd. to the east, Chief Woods Lane to the south, and Northlawn Avenue and Big Hill Road to the north.

Refer to Figure 1 for the location of the Site and boundaries. The Site buildings and exterior features are included on the Site Plan provided as Figure 2. Further detail of the Site is shown on the Building Plan included as Figure 3.

2.2 Site and Vicinity General Characteristics

Land use surrounding the former Moraine Assembly plant is almost entirely industrial and commercial with only a few small areas of residential use. The former Moraine Engine facility is located in an area zoned for general industry to the west. Areas adjacent to the Site are zoned for general industry, light industry, general business, neighborhood business, and one- and two-family residential uses. The businesses in the surrounding area north of the Site include warehouses, office buildings, light manufacturing and assembly, a gravel pit, and cosmetics manufacturing. Businesses located east of the Site include a dry cleaner, gas station, a motel, and a television station. The area south of the Site is zoned for general industry, light industry, neighborhood business, general business, and residential uses.

The former GM Moraine Assembly Facility (Site) which is part of the GM Moraine Facilities and is collectively known, encompasses three (3) adjacent properties: the former General Motors Powertrain, Moraine Engine Plant (former Moraine Engine; adjacent property to the west), the former Delphi Harrison Thermal Systems Moraine Plant (former Delphi Thermal Moraine; located west of the former Moraine Engine plant), and the closed South Settling Lagoons (located west of the former Delphi Thermal Moraine plant, west of Dryden Road). All of the properties were formerly owned by GM and had a long history of operations which spanned across properties. Throughout this Phase I Report, several of the former GM properties are mentioned in relation to the former Moraine Assembly Site, because of the historic and current nature of the operations.

2.3 Current Use of the Site

The former Moraine Assembly Facility is in cessation of operations as of August 3, 2009. Ongoing groundwater remediation activities have been underway over the past few years.

2.4 Descriptions of Structures, Roads, and Other Improvements on the Site

For the purpose of this report, the Site is divided into two (2) separate areas (Figure 2):

Area 1 - paint shop and south employee parking lot located south of West Stroop Road (part of the former Moraine Assembly). The paint shop constructed in 1994 is connected to the remainder of the general assembly plant/body shop by two enclosed bridges which cross over West Stroop Road. The paint shop consists of three floors that houses various paint application booths and supporting infrastructure. The south employee parking lot was the location of the former administration building (former Moraine Engine Building 12) demolished in approximately 2005.

Area 2 – General Assembly Plant, current Administration Building, east employee parking lot, and east haul-away (part of the former Moraine Assembly). This area was initially constructed in 1952 with expansions to the General Assembly in 1979, 1997/1998, and 2000/2001. The building is located north of West Stroop Road and east of Springboro Pike. The General Assembly Plant is a large open area that vehicles went through several phases to completion. The General Assembly Plant has tunnels and basement areas along with mezzanines and pent houses. Some of the areas within the General Assembly Plant are referred to as the body shop, vehicle marriage area, old paint shop, paint mix room, and final inspection. The current Administration Building is three floors with a basement and pent house that housed offices and work areas for plant operation. Some of the areas within the Administration Building are referred to as accounting, inventory, medical, cafeteria, boiler room, union offices, and conference rooms.

Other buildings located on the Site had specific purposes: i.e. fire pump houses, guard buildings, tank farms, etc.

The Site has electricity provided by Dayton Power and Light (DP&L) and natural gas is provided by Vectren. Hazardous wastes generated at the Site were managed by the appropriate vendor for disposal.

2.4.1 Source of Potable Water

Montgomery County Water Services provides potable drinking water to the Site.

2.4.2 Sewage Disposal System

The Site is serviced by the Montgomery County Water Reclamation operates the sanitary sewer system for Montgomery County.

2.4.3 Heating/Cooling Systems

The former Moraine Assembly building is heated by natural gas boilers. Cooling is provided by electrical roof-mounted and individual air conditioners along with elaborate air handling systems. The building is serviced by several heating units and HVAC units that provide a variety of heating and cooling options depending on the operations being completed in a portion of the facility. Depending on the need, the temperature and humidity can be regulated to meet the optimal condition for particular assembly or vehicle painting operations.

2.4.4 Solid Waste Disposal

Solid waste generated by the former Moraine Assembly operations was placed in a trash compactor that was located in the general assembly building. The solid waste was either handled by Waste Management or by Rumpke Waste Services.

2.5 Current Uses of Adjoining Properties

The use of the adjoining properties at the time of ARCADIS' investigation is summarized as follows:

- North: North of the Site is an air compressor facility not previously owned by GM that served the former General Assembly Plant. Commercial and office space is also present to the north.
- South: The Site is bounded by commercial properties consisting of restaurants, medical and retail properties, and portions of the former Moraine Engine Plant.
- East: The Site is bounded primarily by residential neighborhoods to the east and southeast of the Site. There are a few commercial establishments immediately adjacent to the Site. Gas stations and a dry cleaner are present further to the east.

- West: The Site is bounded by Springboro Pike and the former Moraine Engine Plant to the west. The former Moraine Engine plant building has been demolished and the property is an asphalt parking lot that is not in use. The former Compressor Building is present on the former Moraine Engine property and is west of the Site.

3.0 USER-PROVIDED INFORMATION

The following items regarding the Site were requested by ARCADIS to the Client's representative. The questionnaire was completed by Mr. Ed Beckley, former Senior Environmental Engineer for the Moraine Assembly Facility. Since Mr. Beckley's knowledge of the Site is extensive, ARCADIS included his information in pertinent sections of this report and omitted included the information in this Section of the report. Refer to Appendix A for a copy of the questionnaire.

3.1 Title Records

Title records were not provided to ARCADIS for review.

3.2 Environmental Liens or Activity and Use Limitations

Mr. Beckley was asked the following questions as part of the assessment:

- Is he aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law? **Answer:** Unknown
- Is he aware of any activity or land use limitations, such as engineering controls, land use restrictions, or institutional controls, that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state, or local law? **Answer:** Unknown

3.3 Specialized Knowledge

Mr. Beckley was asked the following questions as part of the assessment:

- Does he have any specialized knowledge or experience related to the property or nearby properties? For example, are they involved in the same line of business as the current or former occupants of the property or an adjoining property so that they would have specialized knowledge of the chemicals and processes used by this type of business? **Answer:** Yes. Environmental Engineer for the former GM Assembly facility assisting in disposal and proper use of regulated materials at the Site which may have an impact to the environment.

- Is he aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as User:

  Does he know the past uses of the property? **Answer:** Yes. Former Frigidaire facility, converted to GM assembly facility, made appliances and automobiles.

  Does he know of specific chemicals that are present or once were present at the property? **Answer:** Yes. See annual reports.

  Does he know of spills or other chemical releases that have taken place at the property? **Answer:** Yes. See Site records.

  Does he know of any environmental cleanups that have taken place at the property? **Answer:** Yes. Records of decommissioning, previous environmental reports, closure and groundwater reports, etc.

  Does he know if any fill materials have been imported to the Site? **Answer:** Yes

  Does he know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? **Answer:** Unknown

  Does he know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? **Answer:** Unknown

  Does he know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? **Answer:** Yes. See site records.

3.4 Commonly Known or Reasonably Ascertainable Information

Mr. Beckley was asked the following question as part of the assessment:

Based on his knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? **Answer:** Yes. See previous reports and ongoing groundwater remediation.

3.5 Valuation Reduction for Environmental Issues

An analysis of a hypothetical prospective purchase price of the Site has not been conducted by ARCADIS as part of this Phase I Environmental Site Assessment.

3.6 Owner, Property Manager, and Occupant Information

According to the Montgomery County Ohio Auditors Office Website, the Site is owned by General Motors Corporation, Frigidaire Division, located in Detroit, Michigan. General Motors Corporation has recently reorganized as a corporation and has transferred the Site as an asset to the Motors Liquidation Company (MLC). The Site has been occupied by either a division of Frigidaire Corporation or General Motors Corporation since the 1920s. The entire Site is divided into several properties which have been purchased and developed.

3.7 Reason for Performing Phase I

The purpose of this Phase I ESA is to provide appropriate inquiry into the previous ownership and use of the Site consistent with good commercial and customary practice in an effort to minimize liability.

4.0 RECORDS REVIEW

The following sections provide information regarding the regulatory status and history of the Site and vicinity developed from information available from local, state and federal agencies, previous reports, and ASTM Standard Historical Sources. It also provides topographic, hydrologic, and soil conditions in the area of the Site.

4.1 Historical Use Information

The history of the Site and adjacent former GM facilities is as follows: Frigidaire (a former division of GM) produced appliances from the late 1920s until 1979. During World War II the operations at the facility changed to support the war effort. The facility reportedly made aircraft wings and some munitions. GM announced the shutdown of all Frigidaire operations in January 1979. During 1980 and 1981, the majority of the former Frigidaire Plant 2 was converted to the former Moraine Engine Facility, and the former Frigidaire Plant 3 (constructed in the 1950s) and the northeast corner of former Frigidaire Plant 2 were converted to the Moraine Assembly facility. Since 1981, former Moraine Engine operations have included the machining, painting (this operation was discontinued in September 1995), and assembly of diesel truck engines. Operations at the former Moraine Engine Facility ceased in the fall of 2000.

Since 1981, Moraine Assembly operations included the manufacture, assembly, and painting of small trucks and later sport utility vehicles (SUVs). Operations at the former Moraine Assembly Facility ceased in December 2008 and the building was decommissioned in 2009. Former Delphi Thermal Moraine's major operations, which began in 1941, included the machining and assembly of automotive air conditioning compressors, accumulator dehydrators, and miscellaneous air conditioning valves. Delphi Corporation leased the property from GM from January 1999 through October 2003. Operations at the former Delphi Thermal Moraine Building 14 ceased in September 2003 and the building was decommissioned. As of October 1, 2003, management of the property reverted to GM. Demolition of Building 14 was completed in 2005.

4.1.1 Previous Environmental Reports

The Client provided ARCADIS with previous environmental reports for the Site. ARCADIS reviewed portions of the environmental reports which have been developed for the Site and the surrounding properties. There have been numerous environmental reports generated by several consultants. A number of the environmental reports are located in the ARCADIS Columbus, Ohio office and were reviewed during the preparation of this Report. The titles of the reports referenced and reviewed are found in Section 12.0 of this report.

4.1.2 Historic Map Review

ARCADIS contracted EDR to conduct a Sanborn Fire Insurance (Sanborn) Map search for the Site. According to EDR, there are Sanborn maps for the Site. Sanborn Maps were available for the years 1956, 1962, and 1965. A copy of the Sanborn Map report is included in Appendix B. The findings on the map are summarized below:

1956:

The administration building for the Frigidaire Plant 2 building is located on the Site east of Springboro Pike. The adjacent property to the west of the Site shows the large industrial complex, with rail sidings, tanks, piping, etc. East of Springboro Pike, the maps show administrative offices and parking. An air reduction complex and power house is shown. The owner of the building is listed as Frigidaire, Division of General Motors Corporation; Mfg. Elec. Refrigerators.

1962:

Little is noted as changed from the 1956 Sanborn Map to the 1962 Sanborn Map. The owner of the building is still listed as Frigidaire, Division of General Motors Corporation; Mfg. Elec. Refrigerators. Some additional structures are noted on the surrounding sites near to the facility. An air reduction complex and power house are shown south of Plant 2.

1965:

Little is noted as changed from the 1956 Sanborn Map to the 1965 Sanborn Map. The owner of the building is still listed as Frigidaire, Division of General Motors Corporation; Mfg. Elec. Refrigerators. Some additional structures are noted on the surrounding sites near to the facility. An air reduction complex and power house are shown south of Frigidaire Plant 2.

4.1.3 Aerial Photograph Review

ARCADIS reviewed historical aerial photographs provided by EDR for the years 1938, 1956, 1962, 1983, 1988, 1994, 2005, and 2006. In addition, aerial photographs were reviewed from background reports completed by ARCADIS. The years reviewed 1937, 1938, 1949, 1950, 1956, 1957, 1959, 1962, 1967, 1968, 1973, 1975, 1979, 1984, 1988, 1990, 1994, 2000, and 2003. The following summarizes features observed on the aerial photographs. The EDR provided aerial photographs are included in Appendix B.

1937:

The aerial is a drawing of the facility (Frigidaire Plant 2) located along the west side of Springboro Pike (used by Frigidaire and former Moraine Engine) on the former Moraine Assembly plant property (current Paint Shop parking lot). The drawing indicates several smoke stacks associated with the power house, a facility with associated smoke stacks, and the surrounding area appear to be undeveloped.

1938:

There is a building (administration building used by former Moraine Engine) located east of Springboro Pike on the current Moraine Assembly Building Paint Shop south parking lot. The remainder of the former Moraine Assembly property is farmland, with some surrounding residences. The Frigidaire Plant 2 is located on the property west of Springboro Pike adjacent to the railroad tracks.

The second aerial photograph appears to have been taken from a low flying aircraft, looking northward. More detail is visible as to the size and structure of the Frigidaire Plant 2, the old administration building east of Springboro Pike is not yet constructed. Several smoke stacks are present on the Frigidaire facility, along with a water tower and rail lines, power house and coal pile. Some residential development has occurred on the adjacent property to the south of Stroop Road.

1949:

Major changes have taken place on the Site. East of Springboro Pike, the old administration building is present and the surrounding adjacent area has been developed as employee parking. The Frigidaire Plant 2 is located on the property west of Springboro Pike adjacent to the railroad tracks is still present. The power house with an adjacent coal pile is visible. The former Delphi Thermal Moraine facility has been constructed immediately adjacent to the west of the tracks. It appears that there is a large area of disturbed soils south of the power house. The disturbance may be the beginning of what is currently known as Landfill L1. More expansion has taken place west of Springboro Pike and south of the Frigidaire Plant 2. It appears that the former oil house building has been constructed. Additional residential development has occurred to the east and northeast of the Site. More roadways are present within and surrounding the Site. Some of the surrounding properties to the north and west are still agricultural.

1950:

This photograph appears similar to the 1949 photograph.

1956:

Major changes have taken place on the Site. East of Springboro Pike, the former administration building is present and the surrounding area has been developed as employee parking. On the northern portion of the Moraine Assembly Facility Site, the Frigidaire Plant 3 building is present with additional employee parking. Additional residential development has occurred to the east and northeast of the Site. More roadways are present within and surrounding the Site. The Frigidaire 2 plant is located on the property west of Springboro Pike adjacent to the railroad tracks are still present where the oil house and additional building (compressor building) was constructed. An additional facility has been constructed immediately adjacent to the east of the tracks, (former Delphi Thermal Moraine).

1957:

This photograph appears similar to the 1956 photograph.

1959:

The 1959 photograph has the northern portion of the Site cut off. It appears that additional expansion of parking has occurred east of Springboro Pike, near the old administration building, and additional residential development has occurred east of the Site. More expansion has occurred at the Frigidaire 2 facility west of Springboro Pike by the addition of facility related structures. Expansion of the landfill known as L1 has taken place south of the power house, on the former Delphi Thermal Site.

1962:

The Site itself appears to be relatively unchanged from the previous 1956 photograph. Additional residential development has occurred to the east and northeast of the Site. More roadways are present within and surrounding the Site.

1967:

The 1967 photograph is slightly blurred making some features hard to determine. It appears that additional expansion of the parking areas has occurred east of Springboro Pike. Also, additional development has occurred on the adjacent and surrounding properties east and northwest of the facility. It appears that additional structures may be present with the building west of Springboro Pike. Work is ongoing at Landfill L1. Interstate I-75 west of the Site has been fully constructed.

1968:

The current administration building at the current Moraine Assembly facility is present. Large parking lots are present on the east side of Springboro Pike. On the adjacent properties, it appears that the settling lagoon to the southwest of the power house is present. It appears that some additional excavation activities are taking place north of the former Delphi Thermal Moraine plant, what is now known as Landfill L2 and Landfill L3.

1973:

The 1973 photograph shows the expansion of the building (Frigidaire Plant 3) on the east side of Springboro Pike, i.e.; the current Moraine Assembly Facility. Due to the expansion of the building, some of the asphalt parking has been removed. A U-shaped settling lagoon appears to be present on the northern portion of the property, next to the current wastewater treatment plant. The photograph is slightly blurry thus making additional details difficult to distinguish.

1975:

The 1975 photograph shows the expansion of the current Moraine Assembly Facility building (Frigidaire Plant 3). The compressor building and former oil house west of Springboro Pike are present and visible. The surrounding area has undergone continued development in all directions from the Site. The settling lagoon near the proposed wastewater treatment plant has been constructed. Additional development of retail and commercial facilities has occurred on the surrounding properties.

1979:

The 1979 photograph is not very clear, and is limited in coverage. The aerial shows that no major construction or demolition has taken place at the Site since the 1975 photograph within the coverage of the photograph area. Additional excavation activities are taking place in Landfills L2 and L3 on the former Delphi Thermal property.

1983:

The 1983 photograph is a little "washed out" and blurry. Additional expansion has occurred on the current Moraine Assembly building (former Frigidaire Plant 3). The majority of the parking on the northern portion of the Site was converted into the larger facility. On the adjacent properties, the buildings which were previously constructed, Frigidaire Plant 2, power house, Delphi Thermal, etc., are still present. Additional development has occurred west of Springboro Pike, north of the original Frigidaire 2 plant which is now the former Moraine Engine Plant. In addition, the industrial wastewater treatment plant has been constructed on the former Delphi Thermal Moraine property to the north, which includes a U-shaped retention lagoon. An additional lagoon is present west of Dryden Road southwest of the Site. Additional development has occurred in all directions from the Site. More commercial and industrial development has occurred on the property to the north, northwest, and northeast of the Site. Residential development has occurred east and south of the Site. Along with the development, numerous roadways and parking lots have been constructed. Also, additional rail lines have been constructed.

1984:

The first photograph is a color low level aerial, which is clear, showing the majority of the former Delphi Thermal Moraine, former Moraine Engine, and Moraine Assembly Buildings. The current Moraine Assembly building is present north of Stroop Road and east of Springboro Pike. The original power house is present on the adjacent Delphi Thermal property. Several ASTs are noted. The retention basins, coal pile, Landfill L1, Landfill L2, and L3 are visible. The current wastewater treatment plant is constructed. The former Moraine Engine facility west of Springboro Pike is present, a water tower is visible. Development has continued to occur on the surrounding properties.

The second aerial photograph is not clear, and appears to be overexposed. It is hard to determine many smaller details. The wastewater treatment plant is visible along with the north settling lagoon, located on the former Delphi Thermal property. Both of the aerials appear to show similar details of the Site.

1988:

The 1988 photograph shows more expansion to the current Moraine Assembly building. The remainder of the Site appears unchanged. Additional development has occurred in the area, and some additional structures or additions to existing buildings have taken place.

1994:

There is additional expansion which had taken place on the southern portion of the former Moraine Assembly property. The current Assembly building paint shop is present. The former Moraine Engine west of Springboro Pike is present. Some additional expansion of the former Moraine Assembly building appears to have taken place. The former Delphi Thermal Moraine facility west of the Norfolk Southern Railway railroad tracks is present. A settling lagoon near the wastewater treatment plant appears to be mostly filled in. Surrounding properties appear to be similar to the 1988 photograph.

2000:

The 2000 photograph appears to be a poor quality photograph. It appears that the power house located west of Springboro Pike, on the former Delphi Thermal property, has been razed. Also the new paint building is present along with the conveyor tunnels over Stroop Road. Both of the settling lagoons appear to no longer be in operation.

2003:

The 2003 photograph shows the Former Moraine Engine building west of Springboro Pike as razed, except for the compressor building. The main Moraine Assembly building appears to be similar to current conditions as noted during the Site visit. The old administration building has been demolished and the building footprint has been converted into parking for the Paint Building.

2005:

The Site appears to be very similar to what was observed during the Site. The paint shop has both bridges over West Stroop Road. A new AST is present on the northern portion of the former Moraine Assembly building. The old administration building (used by Moraine Engine) in the south employee parking lot appears to have been removed and parking has replaced it. On the adjacent properties, a majority of the former Moraine Engine west of Springboro Pike has been razed and is now a new vehicle storage lot (vehicle distribution center). The compressor building is still present. The former Delphi Thermal facility on the adjacent property to the west of the railroad tracks has been razed. The settling lagoon at the wastewater treatment plant has been closed and covered with asphalt. Additional development/expansion has occurred with the rail line.

2006:

The Site appears to be very similar to what was observed during the Site visit.

4.1.4 City Directories

ARCADIS contracted EDR to conduct a City Directory search for the Site and surrounding area. EDR reviewed City Directories for the Site for the years 1922 through 2003 in approximately five-year intervals, as available. The 2003 directory identified the Site addressed as 2601 West Stroop Road. Occupants of the Site included: Assembly Torus, Building, Commercial Carriers, EMP Hourly General Motors, Emp Salary, Emp Hourly, GM Truck Group, General Motors Truck, GM Truck Group, Local 7918 IUE, Local 7981 US, North American, GM Truck Group, Shook Inc., and Truck Platform. The EDR report also presents listings for other nearby addresses. The listings include both residential and commercial properties. No obvious environmentally significant listings were found in the immediate area of the Site.

The EDR City Directory Abstract is included in Appendix B.

4.1.5 Historical Topographic Maps

Historic topographic maps were obtained from EDR for the years 1915, 1955, 1966, 1974, 1981, and 1991. The following summarizes our review of the topographic maps:

1915:

The 1915 map shows the Site as being undeveloped with the City of Dayton to the north. It is unclear if the rail line is present at the Site in 1915. Surrounding properties show little development.

1955:

The target property is developed with a large building. On the adjacent Site to the west, large buildings, a water tower is present, parking, and several ancillary buildings present on the Site. The old administration building is present east of Springboro Pike on the current Paint Shop parking lot. Large industrial buildings are shown on the adjacent Site; former Frigidaire 2 and 3, former Delphi Thermal Moraine, power house, etc. A symbol indicating oil storage is noted north of the Frigidaire 2 building on the Former Moraine Engine property is present. The rail line is present along with rail spurs going east and west of the rail line. There are established roads and the surrounding properties to the south, northwest, and east are developed primarily as residential properties.

1966:

Little change is noted from the 1955 topographic map. Additional rail spurs into and out of the adjacent Sites are noted. Additional development has occurred on the surrounding properties along with additions to existing buildings onsite.

1974:

Additions are noted to the Moraine Assembly building. The settling lagoons southwest of the Site are visible along with water ponded in Landfills L1, L2, and L3. Additional buildings have been added on the adjacent sites to the west.

1981:

No major changes to the Site are noted. Additional development has occurred on the surrounding properties.

1991:

The main vehicle assembly building has had a major addition to the northern portion of the plant. Additional rail spurs are noted on adjacent properties. The wastewater treatment plant has been constructed on the Former Moraine Engine property. The settling lagoon west of the wastewater treatment plant is present. Additional development has occurred on the properties surrounding the Site.

The EDR Topographic Map report is included in Appendix B.

4.1.6 Building/Planning Departments

ARCADIS contacted the Montgomery County Building/Planning Department to review available records on file for the Site. However, this department did not have any records pertaining to the Site.

In addition, the EDR Building Permit Report did not list any permits or plans filed with the City of Dayton or Montgomery County for the Facility.

4.1.7 Additional Record Sources

No additional record sources were reviewed in the course of this assessment.

4.2 Historical Use Information on Adjoining Properties

A review of historical records covering the period from 1915-2006 identified that the adjoining properties have been used for a mixture of residential, commercial, and industrial purposes. Various retail stores have occupied the adjoining properties during this time period. The adjoining properties to the east have been occupied mainly by residential homes and a few smaller commercial businesses. Properties to the north have been light industrial or commercial in nature. The adjacent properties to the south have been commercial, residential, and office space. Immediately adjacent to the south has been light industrial in nature and currently a company is present providing compressed gas cylinder operations. Properties to the west include industrial and commercial.

4.3 Physical Setting

4.3.1 Geology

4.3.1.1 Surface Features

The Site is located in the Great Miami River valley and is bounded by bedrock valley walls and various glacial features. The surrounding topography can be seen on the Dayton South Quadrangle and Miamisburg Quadrangle United States Geological Survey (USGS) topographic maps. The valley walls and overlying glacial features, approximately one mile east and west of the Site exhibit elevations ranging between 900 and 1000 feet above mean sea level (amsl). Topographically, the Site lies in the valley flats. The Site has little relief with elevations ranging from 725 to 740 feet amsl.

4.3.1.2 Subsurface Features

Geologic cross-sections for the Site can be found in the Corrective Measures Proposal. The Site and surrounding areas lie over the Great Miami River buried valley aquifer, which consists of valley unconsolidated deposits of sand and gravel outwash deposits separated by discontinuous deposits of silt and clay-rich till. An upper and a lower aquifer have been identified in the unconsolidated sand and gravel. These two aquifers are distinguished by the relation to a relatively continuous clay-rich till referred to as the regional clay till. Where the regional clay till is absent, the upper and lower aquifers are in direct communication and identified by depth only.

The upper aquifer is approximately 30 to 70 feet thick and contains a locally continuous upper clay till layer that in some areas may be in direct contact with the regional clay till. The distribution and thickness of the clay-rich units in the upper aquifer throughout most of the Site is not significant, but the upper clay till is present to the south, west, and southwest of the Former Oil House Area (AOI 7) extending beneath the former Delphi Thermal Moraine and influences the lateral and downward movement of the groundwater flow in this area. Discontinuous presence of the upper clay till is observed near AOI 7. The presence of other relatively thin clay-rich units in the upper aquifer in other areas of the Site is very local and discontinuous and is not able to be correlated to the upper clay till.

The upper and lower aquifers are separated throughout most of the Site and surrounding areas by the regional clay till. Where present, the regional clay till varies in thickness from approximately 10 feet to over 50 feet. In general, the regional clay till thins to the south and southwest, and is discontinuous south of the Site, near Holes Creek. Through the additional data collected during the supplemental groundwater investigation, the regional clay till is confirmed to be continuous on-site although thinning of the till is noted in the vicinity of well GM-75. Based on the available data, there is continuous regional clay till at the Site.

The lower aquifer underlies the regional clay till. The lower aquifer ranges in thickness from a few feet along the valley walls to greater than 200 feet in the central portion of the valley. The thickness of the lower aquifer beneath the Site is not well defined. Most borings/wells, which have been completed as part of the Site's subsurface investigations have not extended more than 150 feet below ground surface (bgs). An underlying till has been encountered at a few of these borings and is present in some production well logs. This underlying till has been encountered at depths ranging from approximately 120 feet to 145 feet bgs.

Ordovician shales and limestones of the Richmond Group comprise the dominant bedrock units forming the valleys in the Dayton area. The Richmond Group is overlain by the Silurian Brassfield Formation in upland areas. Prior to the Illinoian and Wisconsin glacial stages, the bedrock valleys were as much as 190 to 225 feet deep. Beneath the Site and surrounding areas, the bedrock units are not considered important sources of groundwater because they have significantly lower transmissivity values relative to the buried valley aquifer. The top of bedrock beneath the site is approximated to be 200 to 250 feet bgs.

4.3.2 Hydrology

4.3.2.1 Surface Water

Moraine and the surrounding region are in the Great Miami River drainage basin. This river generally flows north to south in the vicinity of the Site and is closest to the Site on the southern end. No major tributaries to the Great Miami River pass through the facilities. The Flood Insurance Rate Map for Moraine shows that the area affected by the 100-year flood does not include the property.

Historically non-contact cooling water and currently storm water from the Site are discharged to the Great Miami River via storm water sewers through one of two storm water retention basin systems (SWRBs) at the former Delphi Thermal Moraine facility, under existing NPDES permits. The retention facilities were brought on line during October 1989 and were designed to provide spill containment and solids settling capabilities required to maintain compliance with NPDES permit requirements. The storm water sewers under much of the former Moraine Assembly and former Moraine Engine facilities consist of sewer lines historically used by the Frigidaire operations.

The North SWRB system consists of two parallel concrete basins, each having a normal operating capacity of approximately 130,000 gallons. This facility serves the former Moraine Assembly facility and the northern portions of the former Delphi Thermal Moraine and former Moraine Engine facilities, which have an associated surface-drainage area of approximately 161 acres. There is also a diversion line that goes directly to the ditch and bypasses the North SWRB. The South SWRB system includes two similar parallel concrete basins with normal operating capacities of approximately 90,000 gallons each. The south facility handles discharges from the former Moraine Engine facility and the southern portion of the former Delphi Thermal Moraine property, covering an area of approximately 104 acres of surface drainage.

Storm water runoff from areas north of the former Moraine Engine facility, the former Moraine Assembly facility, the northern portion of the former Delphi Thermal Moraine facility, and some residential and commercial areas in the City of Moraine (including residential areas east of the former Moraine Assembly facility and Springboro Pike) flow to former Delphi Thermal's north SWRB via a 66-inch storm line. Storm water runoff at the north wall of the former Moraine Engine facility flows eastward to the northeast corner of the facility, then southward along the east side of the facility, to former Delphi Thermal's south SWRB. Storm water from the former Moraine Engine facility and parking lots are discharged southward toward Blanchard Avenue. The sewers south of the former Moraine Assembly facility, starting at the Paint Shop (south of Stroop Road) join the box sewer at the east side of the former Moraine Engine facility. The City of Moraine joins the system at the southeast corner of the former Moraine Engine facility. These sewers contain flow from the City of Moraine, the former Moraine Engine facility, the former Moraine Assembly facility, and former Delphi Thermal Moraine facility join and are collected in the south SWRB.

The south cell of the SWRB system was designed to operate as one basin during normal non-storm flow conditions. The second adjacent basin is used for diversion of normal flow if a spilled material has been isolated in the first basin, as well as for additional retention capacity during storm conditions. The design criteria for sizing of the facilities was a minimum 30-minute retention based on a maximum flow of a 2-inch uniform rain over 24 hours plus normal non-contact cooling water flow. Any flow exceeding the maximum design capacity will bypass the basins by gravity overflow to the associated storm sewer outfall.

Storm water from the East Haulaway and DMAX facility (northwest of property) is discharged into an unnamed drainage ditch located east and south of DMAX, which was assessed during the RFI. This ditch originates in west Kettering, flows north to south along the east side of DMAX, then east to west along the south side of DMAX. The ditch eventually discharges into the Great Miami River.

4.3.2.2 Groundwater

The Site is located within a glacial buried valley and the hyrdogeologic setting is comprised of an upper and lower aquifer separated by a discontinuous clay-rich aquitard. The lower aquifer in the vicinity of the Site has historically been used for public water supply. This Greater Moraine Water System was maintained by the Montgomery County Sanitary Engineering Department and consisted of four (Lamme Road, Dryden North, Dryden Road South, and Miami Shores) former well fields that supplied the cities of Moraine, Kettering and Centerville. These well fields were used until 1986, to which all systems were switch to the City of Dayton supply in conjunction with county storage facilities and pump stations. However, Miami Shores was used in the summers of 1987 and 1988 to supplement high demand. Currently, the Lamme Road well field is abandoned, Dryden South is inactive and Dryden North is inactive except for DN-13 which is maintained by Montgomery County and formerly used by GM and currently by MLC as part of the Pump to Waste Program that began in 1990. Miami Shores is inactive, but is maintained by Montgomery County and is the primary backup to the City of Dayton. The closest active well field is approximately two miles to the south, consisting of three wells that supply the City of West Carrollton.

The lower aquifer in the region historically and currently is also used as an industrial water supply. Groundwater flow in the lower aquifer is generally from northeast to southwest. The Site currently has two inactive production wells (11B and 12A) that were used for industrial purposes up to 2009 and two idle production wells (31 and 39).

The upper aquifer in the vicinity of the Site has been used historically for shallow private well use, but is no longer used as a potable or industrial use. Groundwater flow in the upper aquifer is generally from northeast to southwest on-Site. Future development of the upper aquifer as an industrial or potable water source is not expected due to the low sustainability and storage compared to the lower aquifer. Furthermore, the development of public water systems using groundwater as a source is governed by Ohio statute (Chapter 6109 of the Ohio Revised Code), and Ohio EPA regulations and guidelines adopted there under (OAC Chapters 3745-82, OEPA, 1991). Likewise, the installation of private water wells is governed by Ohio Department of Health regulations (OAC Chapter 3701-28).

Historic records indicate that private water wells in the upper and lower aquifers have been installed in the vicinity of the Site. GM conducted several off-site well surveys of existing wells to determine use and purpose and this information can be found in the Corrective Measures Proposal.

The hydrogeology at the site is focused on the unconsolidated deposits shallower than 150 ft bls. The upper and lower aquifers are separated throughout most of the study area by the regional clay till that acts as a leaky confining unit or aquitard that transmits water at relatively low rates. Where the regional clay till is absent (south of the Site, near Holes Creek), the upper and lower aquifers are in direct communication.

Recharge to the study area is primarily from flow within the aquifers that includes direct infiltration of precipitation and recharge from perennial streams. The perennial Great Miami River flows generally from north to south through the study area and locally as a source and sink for groundwater. The perennial Holes Creek, located south of the Site, flows generally southeast to northwest and is a minor source of groundwater recharge. A recovery well used for remediation is present in the upper aquifer (TW-2) – Landfill L1. A pump to waste well to the Great Miami River (DN-13, southwest of property) is in continuous operation in the lower aquifer and has been operational since March 1990. Fire wells onsite are kept active (FW-1A, 2, and 3).

4.4 Standard Environmental Record Sources – Federal and State

ARCADIS contracted with EDR to conduct a search of state and federal regulatory databases to identify recorded concerns for the Site and surrounding properties. The databases were searched to the approximate minimum search distances as specified in ASTM Standard Practice E 1527-05, “Phase I Environmental Site Assessment Process.” The database search is provided as Appendix C.

Review of the EDR report revealed the following pertinent information which is summarized in the table below.

Database	Search Radius	Site	Adjacent	0 – 1/8 mile	1/8 – ¼ mile	¼ - ½ mile	½ - 1 mile
NPL	1 mile	No	0	0	0	0	0
Delisted NPL	1 mile	No	0	0	0	0	0
CERCLIS	0.50 mile	No	0	0	0	0	-
CERCLIS-NFRAP	0.50 mile	Yes	0	0	0	1	-
RCRA CORRACTS	1 mile	Yes	0	0	0	1	1
RCRA TSD	0.50 mile	No	0	0	0	1	-
RCRA Generators	Site & adjacent	Yes	2	-	1	-	-
ERNS Site	Site	No	-	-	-	-	-
US IC/EC Registries	Site	No	-	-	-	-	-
SHWS	1 mile	No	0	0	0	0	0
State & Tribal DERR	0.50 mile	Yes	1	0	0	1	2
State & Tribal LUST	0.50 mile	Yes	3	0	0	4	-
State & Tribal USTs	Site & adjacent	Yes	3	-	-	-	-
State ASTs	Site & adjacent	No	0	-	-	-	-
State IC/ EC Registry	Site	No	-	-	-	-	-
State Brownfields	0.50 mile	No	0	0	0	0	-
Indian VCP	0.50 mile	No	0	0	0	0	-
RCRA-NonGen	0.250 mile	Yes	1	0	0	0	
Spills	Site	No	-	-	-	-	-
Drycleaners	0.25 mile	No	0	0	0	-	-

4.4.1 Site

The Site was identified on the databases searched by EDR. Due to the size of the Site, and multiple addresses for the GM Moraine Facility, adjacent sites are listed as the Target property. The address for the EDR Report was give as 2601 West Stroop Road, Moraine, Ohio thus adjacent address may in fact be part of the Site, just with an additional address. The Site has had several operations throughout the years and the EDR Database report may be influenced by the historic operations at the Site.

4.4.2 Federal Environmental Record Sources

EDR identified facilities within the applicable radius for the Federal databases searched. A compilation of Federal database listings is provided in the EDR Radius Map Report provided in Appendix C.

CORRACTS, RCRA-LQG, TRIS, FINDS, MANIFEST

EDR identified the General Motors Moraine Assembly Facility CORRACTS, RCRA-LQG, TRIS, FINDS, MANIFEST facility. Violations have been noted throughout the regulated period of reporting. Compliance with the violations noted has been achieved or are not listed. Known groundwater contamination issues are stated and migration of the contaminated groundwater under control is noted.

A compilation of Federal database listings is provided in the EDR Radius Map Report provided in Appendix C.

4.4.3 State and Tribal Environmental Record Sources

EDR identified facilities within the applicable radii for the State and Tribal databases searched. A compilation of the State and Tribal database listings is provided in the EDR Radius Map Report provided in Appendix C.

LUST

EDR identified several LUST facilities within 0.50-miles of the Site. In addition to the Site, several other sites are listed below. The Site has several confirmed LUST incidents, which are reported in different stages of compliance. Additional LUST Sites include:

Shell Oil Company #23440411124 located at 3985 South Dixie Drive, Kettering, Ohio is approximately 2,170 feet to the east-southeast and is hydraulically side-gradient of the Site. This site had 6 regulated USTs closed. The database listing is currently classified as “No Further Action” with an NFA date of November 2000. Based on the regulatory status, the identification of a responsible party for the release and direction relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site at this time.

United Dairy Farmers #217 located at 1901 West Stroop Road, Kettering, Ohio is approximately 2,373 feet to the east-southeast and is hydraulically side-gradient of the Site. This site had 6 regulated USTs closed. The database listing is currently classified as “No Further Action” with an NFA date of June 2000. Based on the regulatory status, the identification of a responsible party for the release and direction relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site at this time.

Orphan Tank located at 4501 South Dixie Drive, Dayton, Ohio is approximately 2,639 feet to the south-southeast and is hydraulically side-gradient of the Site. This site had 6 regulated USTs closed with a release date of July 2004 reported. The database listing is currently classified as "Active." Based on the regulatory status, the identification of a responsible party for the release and direction relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site at this time.

A complete compilation of the State and Tribal database listings is provided in the EDR Radius Map Report provided in Appendix C.

4.4.4 Orphan Summary

ARCADIS reviewed the "Orphan Summary" section of the EDR Radius Map report, which is a list of sites that could not be properly located due to inadequate or incorrect information provided by the reporting agency. Several of the twenty facilities listed in the Orphan Summary do not appear to be located within the Approximate Minimum Search Distance for the above-referenced Federal and State regulatory databases. Some of the General Motors/Delphi Moraine orphans sites may be linked to the former operations at the Site and the immediately adjacent former GM properties.

4.5 Additional Environmental Records Sources

4.5.1 Fire Department

ARCADIS contacted the City of Moraine Fire Department in regards to the Phase I ESA. On Tuesday December 21, 2009, the Fire Chief for the City of Moraine called in response to the request for information. The Fire Chief indicated that over his past 25 years there have been no significant responses to the Site from the City of Moraine Fire Department or any records on file pertaining to ASTs, USTs or the storage or release of other hazardous materials (OHM) at the Site.

4.5.2 Health Department

ARCADIS contacted the Montgomery County Health Department in regards to information regarding the Facility. At the time of this report submittal, there has been no response from the Health Department. If additional information becomes available from the Health Department, an addendum will be issued with the updated information.

4.6 REGULARTORY HISTORY

4.6.1 Summary of Regulatory History

This section provides a chronological RCRA regulatory history for the GM Moraine Facilities, including the Site, as summarized in the Corrective Measures Proposal, dated August 2008 by ARCADIS.

The former Delphi Thermal Moraine contains North and South Settling Lagoons. The North Settling Lagoon received industrial wastewater from 1972 to 1979; received non-contact cooling water and storm water runoff from 1980 to 1984; and in 1984 process wastewaters were diverted to the on-site pre-treatment facility. The South Settling Lagoon received industrial wastewater from 1965 to 1979; received dilute acid and alkali rinses from small cleaning and non-cyanodic electroplating processes, water softening sludges, non-contact cooling water, storm water runoff, and fly ash dewatering filtrate from 1980 to 1985; and in 1985 process wastewaters were diverted to the on-site pre-treatment facility. Both lagoons were taken out of service in 1989. Wastewaters from the Assembly facility operations would have been processed through these lagoons.

GM filed a RCRA Part A-Application with Ohio EPA for interim status in November 1980. GM began detection monitoring at the North and South Settling Lagoons in February 1981. In 1984, assessment monitoring began for the North Settling Lagoon. The South Settling Lagoon remained in the detection monitoring program. By October 1988, GM expanded the groundwater monitoring assessment plan network for the North Settling Lagoon and expanded the groundwater detection network in the South Settling Lagoon in accordance with an agreed consent order with the State of Ohio. The assessment and detection monitoring programs continued until the lagoon closure activities were completed, as discussed below. Monitoring is now done as part of the RCRA corrective action site-wide groundwater monitoring program.

The former Delphi Thermal Moraine submitted closure plans for the North and South Settling Lagoons to U.S. EPA and Ohio EPA in November 1985 and November 1989. Closure discussions between GM and Ohio EPA were deferred by mutual agreement to coordinate ultimate closure requirements with the corrective action requirements from the U.S. EPA Region V (the North and South Settling Lagoons were evaluated as SWMUs in the RFI at Delphi Thermal Moraine). During the summer of 1999, GM met with the Ohio EPA to present and discuss a revised approach for closure of the lagoons. This approach was presented to Ohio EPA in the Lagoon Closure Plan, dated June 2000, and approved by Ohio EPA in a letter to GM dated August 24, 2000. Closure activities were initiated in September 2000 and completed in June 2001. GM submitted the Closure Certification Report to Ohio EPA on August 10, 2001 and was approved by Ohio EPA in a letter to GM dated June 27, 2002. The Lagoon Post-Closure Plan was submitted to the Ohio EPA on December 13, 2002 and was approved by Ohio EPA in a letter to GM dated December 24, 2003.

The former Delphi Thermal Moraine received an Administrative Order (Docket No. V-W-91R-2) from the U.S. EPA Region V, which became effective on January 30, 1991. The Administrative Order, issued under Section 3008(h) of RCRA, as amended, 42 U.S.C. 6928(h), required Delphi Thermal Moraine to implement a RCRA Corrective Action program at the Delphi Thermal Moraine facility. GM met these requirements of the Administrative Order through the completion of a two-phased RFI at the Delphi Thermal Moraine facility and by implementing capture zone interim measures. The initial Interim Measure was implemented per the Final Interim Measures Design Plans, which was approved by the U.S. EPA on July 31, 1995. This initial on-going interim measures consist of controlling migration of VOCs in the upper and lower aquifers at the southern property boundary through groundwater extraction. The groundwater recovered by the upper aquifer recovery well TW-2 is treated using an air stripper tower and discharged through GM's NPDES permitted outfall to the Great Miami River. Groundwater is pumped from TW-2 at an average flow rate of approximately 145 gallons per minute (gpm). DN-13 is a lower aquifer well that Montgomery County has been using in a "Pump-to-Waste" Program since March 1990. The interim measure consists of continued pumping of DN-13 at an approximate rate of 1,000 gpm.

The results of the first phase of the RFI, completed in late 1992 and early 1993, at Delphi Thermal Moraine, was submitted to the U.S. EPA in July 1993. A second phase of the RFI was completed in 1994. The findings of both phases of the RFI for Delphi Thermal Moraine, including a BRA, were reported to the U.S. EPA in a 1996 draft RCRA Facility Investigation Final Report (final issue date was April 2000. The draft RFI report determined that there were no unacceptable risks associated with soil/waste present in SWMUs investigated, and therefore, it was concluded that a Corrective Measures Study (CMS) was not necessary for the SWMUs investigated in the RFI at Delphi Thermal Moraine. The U.S. EPA issued comments to GM on the 1996 draft RFI report dated June 11, 1996 and GM responded to these comments on September 11, 1996. The U.S. EPA provided a reply to the comment responses in correspondence to GM dated October 1, 1996. To address the U.S. EPA's issues identified in this correspondence, GM agreed to add the Moraine Engine and Moraine Assembly facilities into the Corrective Action program. In response to the findings of the Preliminary Assessment/Visual Site Inspection (PA/VSI) reports for the former Moraine Engine and Moraine Assembly Facilities, on-going RFI activities at the adjacent former Delphi Thermal Moraine, and the extensive discussions between U.S. EPA and GM, the U.S. EPA issued an Amendment to the Administrative Order (Docket No. VW-R-002-91), effective on April 24, 1997, which included the former Moraine Engine and Moraine Assembly Facilities in the Corrective Action program. This Amendment required GM to conduct a supplemental RFI at the two additional facilities.

A multi-phased investigation was completed during the Supplemental RFI, which focused on the Former Oil House Area (adjacent Moraine Engine Facility). The findings of the Supplemental RFI for the former Moraine Engine and Moraine Assembly Facilities, including a Supplemental BRA, were reported in a draft Supplemental RFI Report submitted to the U.S. EPA and Ohio EPA in June 1999 (these reports were finalized and approved by U.S. EPA in April 2000). The Supplemental RFI Report determined that constituent concentrations in soils at the AOIs at the former Moraine Engine and Moraine Assembly facilities do not pose an unacceptable risk. However, GM recommended and implemented additional interim measures to address VOCs in groundwater associated with the Former Oil House Area (AOI 7). A Primary Groundwater Source Area (AOI 7) Interim Measures Work Plan was submitted to the U.S. EPA and Ohio EPA in June 1999 and was approved by the U.S. EPA in July 1999. This Work Plan recommended a combination of in-situ technologies to address chlorinated VOCs in shallow groundwater. The recommended in-situ technologies were implemented between September 1999 and May 2000. The results of these interim measures were presented in the IM/CM Report submitted to the U.S. EPA and Ohio EPA in March 2001.

To provide a basis for evaluating the performance of these interim measures, the Work Plan proposed that a comprehensive site-wide (inclusive of Assembly Facility, Moraine Engine, and Delphi Thermal facilities) groundwater sampling event for VOCs be conducted to establish a baseline data set. This baseline sampling for VOCs was completed in September 1999. A second site-wide groundwater sampling event was completed between September and October 2000. During this second site-wide event, at the request of U.S. EPA, groundwater samples were analyzed for Appendix IX VOCs by Method 8260 and cis-1,2-dichloroethene (cis-1,2-DCE), semi-volatile organic compounds (SVOCs) and metals to verify that current groundwater conditions were consistent with previous site conditions. The results of the 2000 sampling event confirmed that VOCs were the only constituents of potential concern in groundwater at the Site.

Environmental Indicator (EI) forms were prepared for the three GM Moraine facilities. Form CA 750 Migration of Contaminated Groundwater Under Control was approved by U.S. EPA in March 2001 for the three facilities. The positive determination on this form indicates that the migration of contaminated groundwater has stabilized and that monitoring will be conducted to confirm that contaminated groundwater remains within the original area of contaminated groundwater. Form CA 725 Current Human Exposures Under Control was approved for the Moraine Engine and Moraine Assembly Facilities in December 2000 and for Delphi Thermal Moraine in September 2002. The positive determination on these forms indicates that there are no unacceptable human exposures to contamination that can be reasonably expected under current land- and groundwater-use conditions. GM continues to monitor conditions at and near the Site as part of the site-wide monitoring program to confirm that the conclusions of these Environmental Indicators remain valid.

In March 2000, GM submitted to the U.S. EPA a draft Site-Wide Groundwater Monitoring Plan to monitor the effectiveness of the interim measures and monitor groundwater quality upgradient and downgradient of the land-based units, including the closed North and South Settling Lagoons. GM received approval with comments on this plan from the U.S. EPA, dated June 16, 2000 and June 28, 2000. GM submitted responses to the U.S. EPA's comments on July 28, 2000. The U.S. EPA submitted an additional set of comments to GM on September 15, 2000 and GM submitted responses to the U.S. EPA's comments on November 17, 2000. GM received approval on the Site-Wide Groundwater Monitoring Plan (Appendix A to the Lagoon Post-Closure Plan) from Ohio EPA in a letter dated December 24, 2003. GM continues to implement this site-wide groundwater monitoring program and submits annual reports to the U.S. EPA and Ohio EPA by March 1st of each year

4.6.2 Areas of Interest (AOIs) Previously Identified at the Site

AOIs identified at the former Moraine Assembly Facility were reviewed and evaluated in the Supplemental DOCC report, respectively, as summarized in the Corrective Measures Proposal (ARCADIS, 2008).

4.6.2.2 Former Moraine Assembly AOIs

The following Areas of Interest (AOIs) were reviewed and any AOIs retained for further investigation are highlighted with an asterisk (*):

- AOI 8 - Former Acid-Alkali Tanks for Plating/Pickling Processes (Operation took place on Moraine Engine property, but supported Moraine Assembly),
- AOI 9 - Former Cyanide Processing Tank, (Formerly located on the northwest corner of the former Frigidaire Plant 3.),
- AOI 10 - Oil Separator Area (The Former Oil Separator Area was located at the south end of the Moraine Assembly Plant 1 at the former Frigidaire Plant 3.),
- AOI 11 - Former Porcelain Manufacturing Area (The Porcelain Manufacturing Area was located inside the Moraine Assembly Plant 1 at Columns N/P-24 of the former Frigidaire Plant 3.),
- AOI 12 - Former Frigidaire Plant 3 USTs (Two 6,000-gallon USTs which contained gasoline were located near the southeast corner of the Moraine Assembly Plant 1 (former Frigidaire Plant 3).),
- AOI 18 - Former Moraine Engine Fuel USTs (This AOI consisted of two 6,000-gallon fiberglass-reinforced plastic USTs located east of Building 12. They were constructed in 1981 and contained gasoline and diesel fuel. These tanks were emptied, removed, and clean closed under BUSTR in 1991.),

- AOI 24 - Non-Hazardous Waste Storage Pad (This AOI is located outdoors, north of the Moraine Engine Plant 3 and is northeast of the Moraine Engine Tank Farm),
- AOI 25 - Former Paint Shop Sludge Pits (The Former Paint Shop Sludge Pits consisted of two 200,000-gallon sludge separation pits, piping, pumps, chemical dispensing equipment, and equipment to collect paint residue.),
- AOI 26 - Moraine Assembly Process Waste Collection Systems (The Moraine Assembly Process Waste Collection Systems were constructed in 1980. Small sumps (underground) located throughout the Moraine Assembly facility collect process wastewater which drains to a final transfer sump (underground) at the south end of the Moraine Assembly Plant 1.),
- AOI 27 - Former Hazardous Waste Container Storage Area (The Former Hazardous Waste Container Storage Area was located north of the Moraine Assembly facility, just north of the Moraine Assembly Tank Farm. This area was constructed in 1980 and clean closed under Ohio EPA in 1993.),
- AOI 28 - Moraine Assembly Tank Farm (The Moraine Assembly Tank Farm is located on the north side of Moraine Assembly Plant 1. This outdoor AOI was constructed in 1980, is currently active, and consists of 14 bulk ASTs and a tanker truck loading/unloading area.),
- AOI 29 - Mix Room Storage Tank (This AOI consists of a 6,000-gallon AST in the Paint Shop Mix Room, which is located in the Moraine Assembly Paint Building on the south end of Building 19.),
- AOI 30 - Moraine Assembly Flammable Collection/Storage Containment Area (This AOI consists of three outdoor, underground, secondary containment areas for collection of spills of flammable fluids. It is located on the east side of the Moraine Assembly Plant 1.),
- AOI 32 - Moraine Assembly East Haulaway Storage Tank (This AOI consists of one upgraded, monitored fiberglass UST. The tank is 1,000-gallons and contains unleaded gasoline. It is located north of the Moraine Assembly Plant 1 in the East Haulaway Area.),
- AOI 33 - Moraine Assembly Former Paint Shop Storage Tanks (The Moraine Assembly Former Paint Shop Storage Tanks consisted of two 4,000-gallon ASTs that were located outdoors near the southeast corner of the Moraine Assembly Plant 1.), and
- AOI 35 - Excavation Area 2 (This AOI is located north of the Moraine Assembly Plant 1 and east of Springboro Road, and was identified from a 1956 aerial photograph).

All of the AOIs have had previous investigations to determine if additional work is necessary. The Ohio EPA and U.S. EPA are up to date and current with the ongoing remedial activities at the Site. The majority of the AOIs have been determined to not be a threat the human health or the environment. They have been listed for historical reference purposes. The site-wide final remedy to address the historic AOI releases is currently under negotiation with U.S. EPA.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

Mr. Todd Aebie of ARCADIS and Mr. Trey Fortner of ARCADIS visited the Site on December 1-3, 2009. Mr. Ed Beckley, Former GM Environmental Engineer for the former Moraine Assembly Facility, was also present. Mr. Ed Beckley provided detail and direction for the Phase I Site Inspection of the facility. The weather at the time of ARCADIS' investigation was cool and cloudy, on and off drizzle, with temperatures of approximately 35-45 degrees Fahrenheit.

ARCADIS inspected readily accessible areas of the Site buildings and the exterior grounds. Due to the extensive size of the facility, it is likely not all of the rooms within the assembly plant building and other associated structures were fully inspected. Todd Aebie, Trey Fortner, and Ed Beckley, did a wide-ranging inspection of the Site, but the possibility exists that areas may have been unintentionally overlooked. The inspection within the Assembly Building, Paint Shop, former Compressor Building, and several additional smaller buildings took place either on foot or with bicycles. At exterior portions of the Site, observations were conducted on foot or by vehicle. Photographs of the site visit are provided in Appendix D.

In addition, because the facility had ceased operations, almost all of the overhead lights were not able to be illuminated. Due to the size of the Assembly and Administration Buildings, and with the majority of the Assembly Building not having windows, headlamps and flashlights were used during the interior site visit.

Numerous ASTs, containers, vessels, pits, sumps, trenches, etc., are located within the Assembly Building, Paint Shop, current Administration Building, former Compressor Building, and Wastewater Treatment Plant. It was reported that all of the above ground storage tanks, containers, vessels, pits, sumps, trenches, etc., have been pumped out and cleaned. Some of the above ground storage tanks, containers, vessels, pits, sumps, trenches, etc. were inspected by ARCADIS during the Site Inspection for verification.

In addition, the roofs of the buildings were not fully inspected, although, an inquiry into their composition and any known environmental issues was questioned and no known environmental issues were noted regarding the roofs. Some portions of the current Administration Building and section of the original Frigidaire Plant 3 may have asbestos or other environmental issues.

The Site was observed to the best of the ability and to the thoroughness that the site conditions and time constraints allowed.

5.2 Current Site Use

Currently all operations related to the manufacture of automobiles have ceased at the Site. Ongoing remedial activities are currently being undertaken for groundwater impact issues across the Site.

5.3 Site Observations

5.3.1 Underground Storage Tanks (USTs)

ARCADIS did not observe fill pipes, vent pipes or other evidence of USTs currently on the Site. However, according to records and previous reports, former USTs were previously on the many portions of former Delphi Thermal Moraine, former Moraine Engine (former Frigidaire Plant 2) sites, which supported operations at the Moraine Assembly Plant, and have subsequently been removed. Some of the USTs may have leaked and thus remediation efforts have either been undertaken (no further action letters [NFAs]) have been issued for the former Moraine Engine and former Moraine Assembly Facilities) or are on-going to remediate soils and or groundwater in the area of the former tanks.

Currently it is unclear whether there are any USTs associated with the company vehicle fueling area located at the former Moraine Assembly Building, which reportedly was never brought into operation.

5.3.2 Aboveground Storage Tanks (ASTs)

ARCADIS observed numerous ASTs at the Site. Within the former buildings ASTs were most likely present during the operations within the building. Currently there are numerous ASTs located within the Assembly, Paint, and Wastewater Treatment Plants. The ASTs which were observed appeared to have been pumped out, materials removed and disposed of off-site. The Draft FEA document, dated June 2009, has a list of substances which may contain hazardous materials, including the ASTs onsite. ARCADIS observed many of the tanks, but did not look in or inspect all tanks. The inside of the tanks that were observed were empty, and appeared to be cleaned. A copy of the Draft FEA can be found in Appendix E. However, materials have been removed after the plant ceased operations and during an extensive site cleaning that occurred in June and July 2009. This included all hazardous materials that are required to be reported to the State Emergency Response Commission.

5.3.3 Hazardous Substance and Petroleum Use

ARCADIS observed hazardous substances and petroleum products still on the Site. A list of the potentially hazardous materials and petroleum products found on the site are listed in Appendix F. The remaining hazardous substances and products remaining on the Site are currently being managed under the Ohio EPA Cessation of Regulated Operations Program (CRO) regulations.

5.3.4 Unlabeled Drums/Containers

ARCADIS did not observe unlabeled drums or containers at the Site.

5.3.5 Stained Soil or Pavement

ARCADIS observed limited stained soil and pavement at the Site. Some of the stained soils were found in employee parking lots and access roads.

5.3.6 Stains or Corrosion

Stains were observed in areas of the Assembly Building mainly within the Paint Shop and beneath conveyor systems. The majority of the staining is limited to paints, ELPO, and other metal rust inhibitors. The staining observed within the Paint Shop appeared to be primarily confined to painting and drying booths and inspection and repair stations. Some additional staining was observed beneath conveyors and around motors and pulley systems.

NOTE: Due to the age of portions of the facility; corrosion is an issue and was observed with piping, old machinery, pits, sumps, exposed metal, and portions of the internal and external structure of the buildings. To list and categorize the amount of corrosion was not within the Scope of the Phase I ESA.

5.3.7 Stressed Vegetation

ARCADIS observed evidence of stressed vegetation at the Site.

5.3.8 Polychlorinated Biphenyls (PCBs)

ARCADIS did not observe electrical or hydraulic equipment at the Site suspected to contain PCBs. Mr. Beckley indicated that PCBs have been found in the past related to old light ballasts and when they were found, the PCBs were disposed of properly. Any electrical transformers and electrical equipment, currently found onsite, are reported not to contain PCBs. Due to the age of the facility, it is possible that historic electrical or hydraulic equipment contained PCBs. Concrete sample results for PCBs from the Moraine Assembly Plant are presented in the FEA Report in Appendix E.

5.3.9 Solid Waste/Dumping

ARCADIS did not observe evidence of dumping of solid waste at the Site.

5.3.10 Site Drainage

Surface water on the Site is directed towards catch basin within the parking areas, and other former building foundations which catch basins are present. The Site wide storm water is discharged offsite to a drainage ditch which then flows directly into the Great Miami River. There are currently 2 permitted NPDES outfalls for the GM Moraine Facilities, including the Site (located on the adjacent properties). A copy of the current NPDES Permit can be found in Appendix G.

ARCADIS did not observe evidence of staining around the outside catch basins which were observed. It is likely that not all of the storm water catch basins were inspected during the Site visit.

ARCADIS observed a sump and floor drains within the main Assembly Building at the Site. Mr. Ed Beckley indicated that all of the floor drains, sumps, pits, etc., which are present within the Assembly Building complex are tied into the sanitary sewer system at the Site. All of the drains are connected to the wastewater treatment plant for treatment prior to discharge.

A more detailed summary of the site drainage and storm water flow can be found in Section 4.3.2.1.

5.3.11 Pits, Ponds, Lagoons and Pools of Liquid

ARCADIS did not observe pits, ponds, lagoons or pools of liquid on the Site, but former lagoons are noted on the adjacent former Delphi Thermal Moraine Property. The lagoons are mentioned within this report because the Moraine Assembly facility discharged wastewater during historic operations of the facility to the former settling lagoons. Detailed descriptions of the lagoons are noted below:

The Site formerly had two settling lagoons, connected to the operations at the Site (a former North Settling Lagoon and a former South Settling Lagoon).

The North Settling Lagoon area is approximately 4.6 acres in size and consisted of a primary and secondary basin separated by an earthen berm. The secondary basin is also partially divided by an earthen berm, which was used to increase residence time in the basin. During the active life of the lagoon, flow entered the system through the primary basin, was diverted to the secondary basin after initial settling of solids, discharged under a National Pollutant Discharge Elimination System (NPDES) permit to a ditch, which crosses the Site, and eventually discharged to the Great Miami River. The North Lagoon operated between 1972 and October 1989, when the lagoon was taken out of service. Between 1972 and 1979, the lagoon received industrial wastewater including metal plating wastes (zinc, nickel, and chrome), cutting fluids, pickling wastes, oils, porcelain sludge, and electro-deposition paint rinse waters. Between May 1980 and September 1984, the lagoon received only dilute process rinse wastewater, non-contact cooling water, and storm water runoff. Beginning in September 1984, all process wastewater was diverted to the on-Site pretreatment facility. All storm water and non-contact cooling water was diverted into a new concrete storm water retention facility when the lagoon was taken out of service in October 1989.

The South Settling Lagoon is approximately 7.9 acres in size and consists of a primary basin, secondary basin, and sludge drying basin that had been individually excavated at different times. During the active life of the lagoon, flow entered the system through the primary basin, was diverted to the secondary basin after initial settling of solids, discharged under a NPDES permit to a ditch, and eventually discharged to the Great Miami River. The sludge drying basin was previously used for the dewatering of sludge removed from the primary and secondary basins. The South Lagoon originally consisted of a single basin occupying the footprint of the secondary basin, which was constructed in 1965. The sludge drying basin was added in 1967 and the primary basin was added in 1974. Between 1965 and 1979, the lagoon received industrial wastewater including zinc plating wastes, anodizing wastes, pickling wastes, oils, and porcelain sludge. Between 1980 and November 1985, the lagoon received process wastewater (consisting of dilute acid and alkali rinses from small parts cleaning and non-cyanodic electroplating processes and fly ash dewatering filtrate), water softening sludge, non-contact cooling water, and storm water runoff. Beginning in November 1985, all process wastewater was diverted to the on-Site pretreatment facility. All storm water and non-contact cooling water was diverted into a new concrete storm water retention facility when the lagoon was taken out of service in October 1989.

Both lagoons have now been closed under the Ohio EPA RCRA program. Closure activities included removal, demolition, and/or abandonment of certain subsurface structures; mixing all sludge with soil and either Cement Kiln Dust (CKD); placing and compacting soil for backfill up to subgrade elevations; installing storm water drainage features; installing a compacted clay soil cover system with a vegetated topsoil layer over the former South Lagoon; and installing an asphalt paving system over the former North Lagoon.

5.3.12 Wastewater

ARCADIS observed processes at the Site that formerly generated wastewater. The Site processed the wastewater throughout all of the operation of the Site by either direct discharge, treatment in the Lagoons prior to discharge until 1984 and 1985, or treatment through the on-site wastewater treatment plant. The current wastewater treatment plant was constructed between 1979 to 1983 (based on review of aerial photographs) and began treating facility wastewaters in 1984 and is located on the former Delphi Thermal Site. The treated wastewaters were discharged to an NPDES permitted outfall which emptied into the Great Miami River. At the time of the Phase I Inspection, the wastewater treatment plant was not operating. Any sanitary wastes being generated at the site were being discharged into the Montgomery County Sewer System. The wastewater treatment plant has not discharged wastewaters since July 2009. All of the tanks and processes at the wastewater treatment plant appeared to have been emptied and cleaned. Some potentially hazardous materials were found to be present in the wastewater treatment plant. Please see Appendix F for a list of the potentially hazardous substance found at the Site.

5.3.13 Wells

ARCADIS observed monitoring wells at the Site. In addition, the Site has 4 production wells and 3 wells solely dedicated to fire protection (FW-1A, FW-2, FW-3). The production and fire suppression wells are located throughout the Site and a map showing the locations of the production and fire protection wells can be found in Appendix H. A fourth fire well that was taken out of service is still onsite and has not been closed (FW-4).

The production wells were for various capacities and pumped differing amounts of water depending on the required demand of the plant operations.

The fire wells are only used for fire protection. Each of the fire protection wells has a pump house with a diesel backup generator in case of electric failure.

Groundwater monitoring wells are located throughout the entire facility, but are mainly concentrated in the areas of the old Frigidaire plants, the landfills, lagoons, and in areas of known releases to the soil and groundwater. A comprehensive site wide groundwater monitoring report was prepared and submitted by ARCADIS for the activities completed in 2008. A copy of the report can be found in Appendix H. Within the report, maps showing the locations of the monitoring and injection wells, groundwater flow directions, and summary of the groundwater activities completed in 2008.

5.3.14 Septic Systems

ARCADIS did not observe evidence of septic systems or cesspools at the Site. Based on review of historic plant drawings, a septic tank was located on the western side of the Compressor Building, located on the former Moraine Engine facility, north of the main electrical substation. The septic tank is assumed to have been used for sanitary purposes associated with the nearby restroom.

5.3.15 Odors

ARCADIS did not note readily noticeable strong, pungent, or noxious odors at the time of the site visit. Some odors were present within the Paint Shop and in some of the tunnel areas. None of the odors were necessarily indicative of an on-going environmental issue.

5.3.16 Other Observations

Other significant Site observations are noted within Section 5.4 of this Phase I Report.

5.4 Facility Building / Area of Interest Summary

A majority of the historic background information presented in the following section has been summarized from the Corrective Measures Proposal dated August 2008 by ARCADIS. The Phase I Site observations are also listed as part of the summary for each building or area of interest. A copy of the Corrective Measures Proposal and Site figures can be found in Appendix I.

5.4.1 Former Frigidaire Plants 2 and 3 (aka Former Moraine Engine Plant and Former Moraine Assembly)

The area where the former Frigidaire Plants 2 and 3, later known as the Moraine Engine and a portion of the Moraine Assembly Plant was observed and inspected during the Phase I site visit. A majority of the previous buildings have been demolished. The site has been most recently used for a vehicle distribution center, where completed vehicles waited for shipment by either truck or rail when they came from the Moraine Assembly Facility. The site is covered with asphalt and is relatively smooth. At the southern end of the site, the Company Vehicle Operations (CVO) buildings are located. The CVO buildings are discussed in Section 5.5.13.

5.4.4 Wastewater Treatment Plant (WWTP)

The WWTP was constructed in the mid 1980s to treat process waters generated at the Site, and is located on the former Delphi Thermal property. The WWTP operated until July 2009. The WWTP processed wastewaters generated at the Moraine Assembly facility prior to discharge under an NPDES Permit. The wastewater treatment plant has not discharged any wastewaters since July 2009. During the Site inspection, all of the tanks and processes at the wastewater treatment plant appeared to have been emptied and cleaned. Some potentially hazardous materials were found to be present in the wastewater treatment plant. Please see Appendix F for a list of the potentially hazardous substance found at the Site.

5.4.5 Closed North Settling Lagoon

Please see Section 5.3.11 for details concerning the North Settling Lagoon operation and closure. During the Site inspection, the North Settling Lagoon, located north of the former Delphi Thermal Moraine building, was observed from outside of a chain link fence. The lagoon was covered with an asphalt cap, which appeared to be in good condition, with a drainage catch basin in the center. No potentially hazardous materials were found to be present at the North Settling Lagoon during the Site Inspection.

5.4.6 Closed South Settling Lagoon

Please see Section 5.3.11 for details concerning the South Settling Lagoon operation and closure. The closed South Settling Lagoon is located west of former Delphi Thermal Moraine. During the Site inspection, the lagoon cap was observed by vehicle and by foot. The cap appeared to be in good condition. The cap had a lot of vegetation and trees along the boundaries on the western, northern, and eastern sides. The lagoon has several monitoring wells adjacent to it and no potentially hazardous materials were found to be present at the South Settling Lagoon during the Site Inspection.

5.4.7 Landfills L1, L2, and L3

Three landfills (Landfills L1, L2, and L3) on the former Delphi Thermal Moraine site were investigated during the RFI activities at the Facility. The landfills are pre-RCRA, unlined disposal areas. Landfill L1 is located at the southern end of the facility and covers an area of approximately 7.8 acres; it was used for the collection and disposal of wastes generated by the previous plant operator, Frigidaire, for more than 20 years. Landfill L2 is located north of the former Building 14 and east of the wastewater treatment facility, and covers an area of approximately 3.7 acres. Landfill L2 was also used for the collection and disposal of waste generated by Frigidaire from 1950 to 1975. Landfill L3 is located immediately northeast of the North Settling Lagoon and northwest of Landfill L2, and covers an area of approximately 1.6 acres. Landfill L3 it was used for the collection and disposal of sludge from the adjacent North Settling Lagoon system. An estimated 25,000 cubic yards of sludge were placed in Landfill L3 from 1972 to 1979. During the RFI geophysical surveys were conducted at the landfills to delineate the waste boundary. Surficial soil samples were collected for waste characterization and groundwater samples were collected from monitoring wells in the vicinity of the landfills to characterize groundwater quality.

During the Phase I Site inspection, each of the landfills was walked or driven by vehicle. Surficial and partially buried debris was not observed on Landfill L2 and on Landfill L3. Landfill L1 had materials (appeared to be coal or coal slag) protruding through the surface of the cap in several areas. None of the landfill caps was effectively graded to prevent ponding of surficial waters. Groundwater monitoring wells were noted at each of the landfills. No potentially hazardous materials were found to be present at any of the landfills as observed from the surface.

5.4.8 Compressor Building

The Compressor Building is located west of Springboro Road, across from the current Moraine Assembly Building. The compressor building provided compressed air and electrical power distribution to the Site buildings. During the Phase I Site inspection, some of the original air compressors are still present within the building. In addition, up to date electrical power distribution is housed in the building. Based on review of historic plant drawings, a septic tank was located on the western side of the Compressor Building north of the main electrical substation. The septic tank is assumed to have been used for sanitary purposes associated with the nearby restroom. Some potentially hazardous materials were found within the Compressor Building and note that some of these items have been removed or are in the process of removal. Please see Appendix F for a list of the potentially hazardous substance found at the Site and within the building. The potential also exists for asbestos and lead based paint to be present within the building and within the equipment.

There is an operational compressor building which was built in the late 1990s on the northern portion of the Assembly property. The new compressor building replaced the original compressor building. The new compressor building is owned and operated by DTE. During the time of the inspection, the compressor building was not available for inspection.

5.4.9 Old Administration Building (Building 12)

The old Administration Building was observed in Aerial Photographs since 1949 and appears to have been demolished in 2006 or later. The old Administration Building reportedly housed the benefits and medical departments, auditorium, storage space and the company vehicle garage. Building 12 was connected to the former Moraine Engine plant via an underground tunnel. Two USTs, one diesel and one gasoline with dispensing stations, were present near Building 12 to handle fuel requirements for the company vehicles. BUSTR approved the closure of these USTs in December 1991. Currently the area where the former Administration Building (Building 12) was located is now a parking lot for the former Paint Shop. No potentially hazardous materials were found to be present in the area of the Old Administration Building.

5.4.10 Current Administration Building

During the Phase I Site visit, the current administration building was inspected. The current administration building served a variety of purposes including having a basement, hospital, offices, plant manager office, accounting, computer rooms, cafeteria, union offices, transportation offices, janitors closets, restrooms, meeting rooms, employee break rooms, training rooms, etc. During the site inspection, a majority of the rooms were inspected. Some areas were not inspected due to doors being locked and the likelihood that rooms and areas were overlooked due to the vast size of the building.

Note: The facility has identified that ACMs are likely present within the current administration building. The asbestos is most likely found within the vertical piping runs (shafts) and supports within the building. During the renovation of the building, a majority of the ACMs were reportedly removed. In addition to the vertical shafts, some of the insulating wallboard found with the heating system in the offices may contain asbestos.

During the site inspection, all floors were observed. Within the basement of the building, the boiler room was observed. There are boiler chemicals present which are currently not being used as part of the boiler operations. In addition, the basement is used for storage of records and spare parts to be used within the Facility. In addition, old freezer areas are found in the basement along with the mechanical systems for the building. The insulation within the old freezers in the basement may be asbestos containing. The ground floor contains a majority of the union offices and larger conference rooms. A large cafeteria is present with freezers, coolers, food preparation and storage areas along with dining room. Most of the kitchen materials are still present.

The second floor contained administrative offices, computer areas, Vehicle Identification Number (VIN) processing, production scheduling, restrooms, employee offices, EDS equipment, financial, accounting, transportation, etc. The main computer rooms were all protected with fire suppression systems comprised of either CO_2 gas, Nitrogen, or Argon gas. The tanks for the fire suppression were observed outside of the current Administration Building and were empty.

The third floor of the current Administration Building contained the training rooms and air handling equipment for portions of the building. The training rooms were outfitted and used for a variety of purposes including robotics training, rescue training, fall protection training, etc. The training rooms contained offices and a wide variety of equipment which was utilized during the employee training.

Air handling equipment is found on the roof (mezzanines) above the current Administrative Building. There are large air handlers and maintenance areas within the mezzanines. Some potentially hazardous materials were found to be present in the current Administration Building. Please see Appendix F for a list of the potentially hazardous substances found at the Site and within the current Administration Building.

5.4.11 Paint Shop

The paint shop building was constructed in 1994 as a stand-alone building located south of Stroop Road to replace the old paint shop area located at the southern end of the Assembly Building. The new paint shop building was constructed to take advantage of the newer painting technologies which provided a better paint and rust proofing while lessening the hazardous components from the painting operations. The paint shop is multi floored and contains a variety of processes.

The vehicles and frames to be rust proofed and painted were transported along a series of conveyors over Stroop Road into the paint shop. There they were first taken through a process where ELPO, an epoxy urethane coating, was applied. The parts were chassis and frames and were dipped in several “dip tanks” to finalize the process. Large drying ovens were used to cure the ELPO.

After the ELPO was applied, the primer and finish paint coats were applied. The process employed paint rooms where a variety of powder paints or liquid paints were applied. There are several paint booths located within the paint shop. The paint booths were formerly used to apply either a liquid paint or a powder paint. Once the paint was applied the parts went to a drying oven. Within the oven, the paints cured and clear coat finish was applied.

The pieces move from station to station via conveyors. The conveyors are hydraulic in nature. Within the various floors in the paint shop, numerous maintenance and work areas are present. In addition, flammable cabinets, waste areas, and parts areas are located in the areas. ARCADIS inspected a majority of the areas. The areas have been cleaned out of the hazardous substances which may have been present.

Wastes within the paint shop appear to have been managed effectively. Hazardous waste appears to have been managed. Air sources were permitted under Title V regulations. The air sources within the paint shop were passed through various thermal oxidizers, fueled by natural gas, to destroy any volatiles prior to release. Currently it is unknown if there were any regulated air exceedances associated with the paint shop.

The paint for the paint shop was stored and mixed within the paint shop mix building. Here the paints would arrive in bulk shipping totes (approx. 500 gallons each), stored, and placed into paint mixers and pump systems. The paints would then be mixed, if necessary and pumped up to the paint spray booths. The paint mix room had trench drains around the mix pumps. The trench drains were connected to a sump and pump to be able to pump out any spills which may have occurred. Numerous tanks for mixing and solvents for cleaning paint lines were located in the paint mixing room. The ASTs inspected during the Phase I Site Inspection were found to be cleaned out of materials which they once held.

Some of the maintenance activities which were conducted in the paint shop included conveyor repair, carriage repair, paint removal from the carriers and conveyors. The repair efforts included welding, solvent baths, etc. The infrastructure is present to convey process and wastes conveyed to the appropriate areas. Numerous above ground tanks and piping are present within the paint building as process tanks and as waste tanks.

A majority of the break/maintenance areas within the paint shop had refrigerators, microwaves, and other employee equipment.

Some paint wastes, including powders, are still present within the paint building. In addition to the paint wastes, some additional hazardous substances and petroleum products were noted in the paint shop. Please see Appendix F for a list of the potentially hazardous substance found at the Site and within the paint shop building.

5.4.12 Assembly Building

The Assembly Building has undergone numerous expansions and additions since its construction in the mid 1950s. The original assembly building was part of the Frigidaire complex (the first building was known as Frigidaire Plant 3 and as Building 19). The majority of the vehicle assembly took place in the current Assembly Building. The Assembly Building has many distinct areas which were inspected.

A general note for the Assembly Building: The Assembly Building appeared to have been thoroughly cleaned and broom swept. The ASTs, drums, and containers within the Site have been removed or emptied. The facility was cleaned, and no extraneous automobile parts were observed during the Site Inspection. Most of the equipment to produce the vehicles, i.e. robots, piping, conveyors, carriers, etc., is still present within the Building.

Below is a summary of the activities which occurred within areas of the Assembly Building.

- **Body Shop:** The body shop area is located on the first floor of the Assembly Building. The activities within the body shop included parts storage, shipping and receiving, production water softening, storage of drums of vehicle sealant, washers for parts, and tunnels beneath some of the original foundations of the building. There are numerous robots, conveyors systems, maintenance areas, and parts storage within this area. Within the conveyor trenches and pits observed, grease is still present on the drip trays beneath the conveyors. The welding robots assemble many of the parts to the chassis prior to assembly to the frame. The welding robots contain oils and greases and operate via compressed air, electricity, and cooling waters.

  Within the tunnels beneath the Body Shop, piping runs are common. The tunnels are used as employee assembly areas in case of severe weather. Several rooms beneath the building are accessible via the tunnels. Currently, the rooms appear to be used as spare parts storage and maintenance areas. It was reported that several of the rooms within the basement were initially used for Frit production. Frit is the porcelain coating for appliances. Within some of the rooms, pieces of the original equipment are still in place.

  Several additional vehicle quality assurance/quality control (QA/QC) inspection areas are located within the Body Shop. The CMM (Coordination Measure Machine) lab is present. Brine tanks, drum sealer storage, welding QA/QC shop, several maintenance and employee break areas are located in the Body Shop.

  The primary hazardous waste storage area was located within the Body Shop. The hazardous waste storage area was chained and locked and contained an emergency phone.

- **Old Paint Shop:** The old paint shop was the original painting area in the initial production and assembly of vehicles. Currently the old paint shop contains carrier washers and repair areas. Within the conveyor trenches and pits observed, grease is still present on the drip trays beneath the conveyors. In addition, there is a stripper room which historically used solvent and caustic solutions to remove paints from carriers and different parts. Chilled water coolers and air dryers are located within the old paint building. The water chillers and air dryers help to control the air in the plant to allow for paint to cure. All of the ASTs which contained materials appeared to have been cleaned out.

  Within the basement area of the Old Paint Building, the waste handling sump and old paint sludge pit are located. The old paint sludge pit was used during the painting operations within the Old Paint Building. Currently any wastes that accumulate within the old paint sludge pit are pumped to the current paint sludge pit. All of the pits and sumps appeared to have been pumped out and cleaned, but waters have accumulated within the pits and sumps.

- **Vehicle Marriage Area**: This is the area within the Assembly Building where the chassis is attached to the frame. Within this area, two sets of conveyors merge to

bring the major components of the vehicle for assembly. There are numerous conveyor trench pits beneath the lines. Within the conveyor trenches and pits observed, grease is still present on the drip trays beneath the conveyors. The floors of the trenches are clean and no hazardous substances were found to be present in the area.

- **Fluid Fill:** The fluid fill area is located along the assembly line where a majority of the fluids were added to the vehicle during the assembly process. The fluids were pumped from the tank farm building via a series of pipes to the fluid fill area. An aboveground fluid waste tank is located in the area to catch and contain drips that occurred during the fluid filling. Drips were caught and conveyed to the waste tank. The waste tank was pumped out approximately twice yearly. The floors of the trenches are clean and no hazardous substances were found to be present in the area.
- **Engine Assembly:** The engine assembly area added the final components to the engines prior to insertion into the vehicle. The engine assembly conveyor line has numerous trenches which all appeared to have been cleaned. Within the conveyor trenches and pits observed, grease is still present on the drip trays beneath the conveyors. The floors of the trenches are clean and no hazardous substances were found to be present in the area.
- **Tire Shop:** The tire shop was utilized to store tires and rims prior to mounting on the vehicle. The tire shop has several large bins where tires and rims were stored. The tire shop mounted tires to rims, inflated the tires, and balanced the tires. The process was automated using a series of aboveground conveyors. The floors within the tire shop were clean and no hazardous substances were found to be present in the area.
- **Detail and Repair:** The detail and repair area was located in the final inspection area. Any minor flaw in the paint, trim, or assembly of the vehicle was repaired in this area. The area had a paint room, spray paint guns, drying ovens and ultraviolet (UV) curing areas. The area contained solvents, greases, spray paints, clear coat finishes, adhesives, etc., to make any final repairs and detail repairs to the vehicle prior to shipping. There were numerous flammable cabinets located in the area and all appeared to have been cleaned out and the contents removed. Solvent carts were located in the area to take any spent and waste fluids to the hazardous waste storage area. The floors were clean and no hazardous substances were found to be present in the area.
- **Final Inspection:** The final inspection area is located in the northern portion of the assembly building. Various vehicle testing stations were located in this area including shake testing for vibrations, roll test for engine tuning and power train testing, hydro testing to look for water leaks around windows, doors, panels, etc. All of the testing equipment was powered by hydraulics or pump systems with below grade trenches, pits, and sumps. It appeared that all of the equipment, pits, trenches and sumps were cleaned out and hazardous material removed. The floors were clean and no hazardous substances were found to be present in the area.

In addition to the above mentioned test areas, a series of in-ground hydraulic lifts are still present. The old lifts have reportedly not been used since 1999. The hydraulic oils have been pumped out of the lifts, but it has been indicated that the employees had to add hydraulic fluid to the lifts during the operation of the hydraulic lifts. The hydraulic lifts were replaced by electric lifts.

- **Mechanical Room:** A large mechanical room is adjacent to the tire room. The mechanical room primarily conducted air tempering for the majority of the vehicle assembly area. The mechanical room contained several large air handling units which helped to heat or cool the building. The floors were clean and no hazardous substances were found to be present in the area.
- **Offices and Maintenance Areas:** Located throughout the assembly building are smaller offices and worker team areas. These areas usually had break areas, several computers, a refrigerator, microwave, desks, and other office or break room items. The areas were used for employee breaks, employee training, and communications. The office spaces ranged from enclosed areas to open spaces. The floors were clean and no hazardous substances were found to be present in the office area.

  Maintenance areas were also located throughout the assembly building. Maintenance areas included pipefitters, electrical, carpenters, mill wrights, tin shop, etc. These maintenance areas had tools and tooling, spare parts, break areas, computers, refrigerators, microwaves, offices, etc. associated with them. During the Phase I site inspection, many of the maintenance areas were inspected and hazardous and petroleum substances appeared to have been removed. Most of the maintenance areas were still much cluttered with parts, tools and other items necessary of repairs to the plant.

5.4.13 Ancillary Buildings Onsite

Several additional out buildings were inspected as part of the Phase I inspection. Below is a description of the buildings which were inspected:

- **Fire pump house buildings:** Two of the three fire house pump buildings were inspected. Within each of the pump house buildings were a backup diesel generator, a diesel fuel tank, with secondary containment, and a battery backup system.

- **Vehicle Haulaway Building:** The vehicle haulaway building is located on the northern portion of the assembly building Site. Within the haulaway office building, coordination of the transportation of the new vehicles from the facility took place. The building contained offices and break areas for the truck drivers. No hazardous substances were observed in the haulaway building. The floors were clean and no hazardous substances were found to be present in the area.

- **Tank Farm and Tank Farm Distribution Building:** A tank farm distribution building is present north of the assembly building. The tank farm distribution building houses pumps and tanks for the distribution of fluids for the new vehicles. The associated tanks housed gasoline, windshield wiper fluid, automatic transmission fluids, antifreeze, power steering fluid, rear axle fluid, diesel fuel, and other fluids necessary for the operation of a motor vehicle. The new liquids were unloaded via tanker truck though a series of pumps and transferred into the ASTs onsite. The new fluids were then transferred via pumps and piping to filling stations within the assembly building. No hazardous or petroleum substances were noted to be left in the building. Staining of the concrete by petroleum products was noted within the collection trenches and sumps within the building.
- **Mobile storage (communications) building:** A mobile storage building was observed near the northern part of the assembly building. Within the building numerous pieces of computer equipment, batteries, refrigerators, and window air conditioners were observed. The things found in the building appeared to be placed there in preparation for disposal, but forgotten.
- **Guard houses:** The Site has several guard houses to help control and direct employee and visitor access to the Site. The guard house have office areas, manned check-in stations, heating and cooling, and utilities. No hazardous or petroleum substances were noted to be left in the guard houses. The floors were clean and no hazardous substances were found to be present in the area.

6.0 INTERVIEWS

6.1 Interview with Owner/Key Site Manager

ARCADIS interviewed Mr. Ed Beckley, Former Senior Environmental Engineer for the Moraine Assembly Facility. Information provided by Mr. Beckley is presented throughout the report.

6.2 Site Occupants

No additional site occupants were present or occupied the Site during the Phase I inspection. Currently there is a hired security service providing security and key service for the Site. No other entities were present at the Site.

6.3 Interviews with Local Regulatory Agencies

Research conducted at local regulatory offices has been summarized in Sections 4.5. No additional interviews with local regulatory agencies were conducted.

6.4 Interviews with Others

No additional interviews were conducted as part of this assessment.

7.0 FINDINGS/OPINION

This section identifies known or suspect environmental concerns, historical environmental concerns, and *de minimis* conditions obtained during the Phase I ESA.

7.1 Known or Suspect Environmental Concerns

- The Phase I Site inspection revealed several items which were still present at the Site. A list of the hazardous substances and petroleum containing equipment can be found in Appendix F.

- The groundwater beneath the facility has been impacted with VOCs from past uses at the Site. Several RCRA RFI investigations have taken place to determine the extent of the impact to the groundwater. Remediation of the groundwater is ongoing.

- Within the buildings currently present at the Site, there are areas with known asbestos. Within the current Administration Building, asbestos is present within the vertical columns and pipe runs. Asbestos is also known to be present in some other the heater boards located within the current Administration Building. The likelihood exists that there are other areas within the Facility were ACM may still be present.

- Due to the age of the Site buildings, it is likely that lead based paint is present on the structural steel and other painted portions of the building (Frigidaire Plant 3). The Facility tests paints before a material is sent off site for disposal if the possibility exists that lead based paint may be present.

- Within the Assembly Building, in the final inspection area, the old in-ground hydraulic lifts are still present. The old lifts have reportedly not been used since 1999. The hydraulic oils have been pumped out of the lifts, but it has been indicated that the employees had to add hydraulic fluid to the lifts during the operation. The hydraulic lifts were replaced by electric lifts.

- Overspray from the painting operation was noted within the paint booths. A major cleaning event occurred during June/July 2009.

- It is possible that not all of the ASTs, piping, trenches, sumps, pits, and machinery have been fully drained of potentially hazardous substances.

7.2 Historical Recognized Environmental Conditions

Historical RECs were identified in the course of this investigation.

- The AOIs at the Site are all at different stages of investigation, remediation, or closure. Numerous groundwater monitoring wells were noted throughout the facility that are used for monitoring and conducting remediation efforts on groundwater contamination. The groundwater contamination is primarily limited to VOCs. Current groundwater remediation strategies include pump and treat, introduction of media to enhance in-situ bioremediation, and natural attenuation. A listing of the AOIs was presented in Section 4.6.2.

- The groundwater beneath the facility has been impacted with VOCs from past uses at the Site. Several RCRA RFI investigations have taken place to determine the extent of the impact to the groundwater. Remediation of the groundwater is ongoing.

- Within the buildings currently present at the Site, there are areas with known asbestos. Within the current Administration building, asbestos is present within the vertical columns and pipe runs. Asbestos is also known to be present in some other the heater boards located within the current Administration Building. The likelihood exists that there are other areas within the Facility were Asbestos containing material may still be present.

- NFAs have been issued by BUSTR for USTs located at the former Moraine Assembly Building.

7.3 De Minimis Conditions

De minimis environmental conditions at the Site include the following:

- The Site has minor staining in storage areas on the asphalt and concrete.

- There is minor oil staining of the asphalt and concrete in loading/unloading ramps for trucks and within ballast in the railroad.

- In many of the maintenance areas within the Assembly Building, minor staining was observed on the floor areas near work benches and near some of the flammable cabinets.

8.0 CONCLUSIONS

ARCADIS performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the property located at 2601 West Stroop Road, Moraine, Montgomery County, Ohio. Any exceptions to, or deletions from, this practice are described in Section 9 of this report. This assessment has revealed evidence of the following RECs associated with the Site:

- Several AOIs have been listed in prior investigation reports and are part of the U.S. EPA Administrative Order to implement RCRA Corrective Action. The AOIs are at different stages of investigation, remediation, or closure. Several phases of RFIs have taken place to determine the extent of the impact to the soil and groundwater. Groundwater monitoring wells were observed throughout the facility for monitoring and conducting remediation efforts. The groundwater contamination is primarily limited to VOCs. Current groundwater remediation strategies include pump and treat, introduction of media to enhance in-situ bioremediation, and natural attenuation and remediation of groundwater is ongoing.

- In the final vehicle inspection area of the Assembly Building, inactive in-ground hydraulic lifts were observed. The lifts have reportedly not been used since 1999. The hydraulic oils have been reportedly pumped out of the lifts, but it has been indicated that the employees had to add hydraulic fluid to the lifts during the operation. The hydraulic lifts were replaced by electric lifts.

- Within the buildings currently present at the Site, there are areas with known asbestos. Within the current Administration Building, asbestos is present within the vertical columns and pipe runs. Asbestos is also known to be present in some of the heater boards located within the Administration Building. The likelihood exists that there are other areas within the Facility were ACM may still be present.

- The former Moraine Assembly facility has numerous pits and sumps which are located within the basement floor throughout the Assembly Building. The pits and sumps have historically been used to collect and contain spills and drips from the process equipment. The condition of the pits and sumps is not fully known.

9.0 DEVIATIONS/DATA GAPS

The inability to identify the date of first use of the Site for the industrial purposes represents a data gap. There is an operational compressor building which was built in the late 1990s on the northern portion of the Assembly property. The new compressor building replaced the original compressor building. The new compressor building is owned and operated by DTE. During the time of the inspection, the compressor building was not available for inspection.

It is the opinion of ARCADIS that these data gaps are not significant and do not affect our ability to render the foregoing conclusion. The extensive history of the Site allows for a detailed and through review of the reports which have been prepared for the Site, thus providing insight into the detailed environmental history at the Site.

10.0 ADDITIONAL SERVICES

No additional services were provided as part of the Phase I ESA.

11.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in §312.10 of 40 C.F.R. 312. We, have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

for

Todd J. Aebie
Staff Geologist

Stephanie Lynch
Environmental Specialist

12.0 REFERENCES

City of Moraine

- City of Moraine Fire Department
- Building Department

Montgomery County

- Health Department
- Assessor's Website and Property Map
- Tax Parcel ID
- Ownership Data

State of Ohio

- Environmental Protection Agency Website
- Department of Commerce, State Fire Marshalls BUSTR Website

2. Reports, Plans and Other Documents Reviewed:

EDR:

- *The EDR Aerial Photo Decade Package,* Inquiry Number 2648305.5, December 1, 2009, 2601 West Stroop Road, Dayton, Ohio 45439.
- *The EDR Radius Map Report with GeoCheck*, Inquiry Number 2648305.2s, December 2, 2009, 2601 West Stroop Road, Dayton, Ohio 45439.
- *The EDR Certified Sanborn Map Report*, Inquiry Number 2648305.3, December 1, 2009, 2601 West Stroop Road, Dayton, Ohio 45439.
- *The EDR Historical Topographic Map Report*, Inquiry Number 2648305.4, December 1, 2009, 2601 West Stroop Road, Dayton, Ohio 45439
- *The EDR City Directory Abstract,* Inquiry Number 2648305.6, December 9, 2009, 2601 West Stroop Road, Dayton, Ohio 45439.
- *The EDR Building Permit Report,* Inquiry Number 2648305.7, December 1, 2009, 2601 West Stroop Road, Dayton, Ohio 45439.

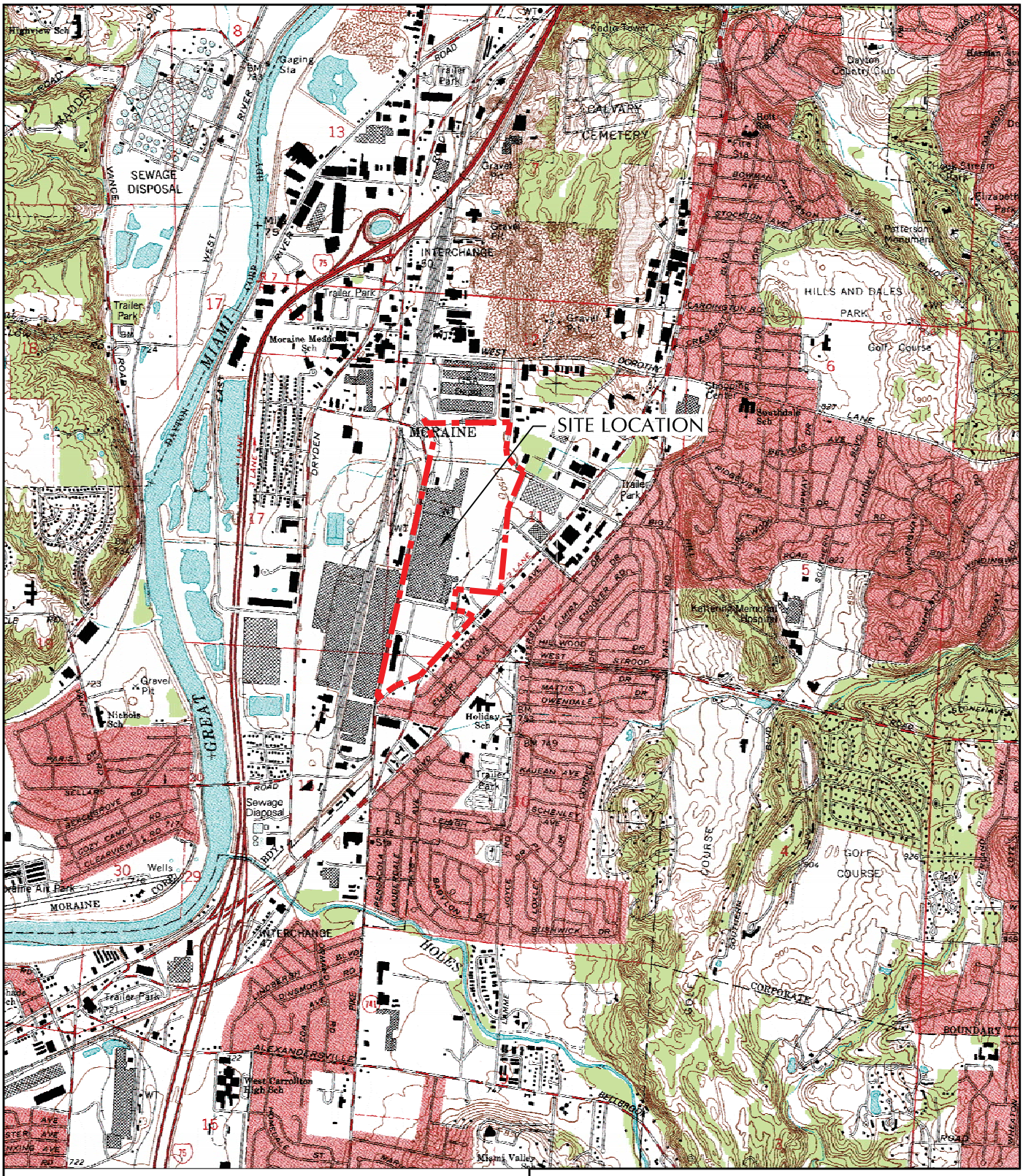
ARCADIS Columbus Ohio Office

- Aerial Photographs; dated 1938 to 2000. Various sources and dates.
- **Draft Report,** Facility Environmental Assessment, Moraine Assembly Moraine, Ohio, June 2009 by O'Brien & Gere.
- NPDES Permit from the Ohio EPA for the Moraine Facility, dated June 2007.
- **Draft Site-Wide Groundwater Monitoring Report for 2008,** General Motors Corporation Facilities:

Former Delphi Harrison Thermal Systems Moraine Plant
Former General Motors Powertrain Group, Moraine Engine Plant
Former General Motors Truck Group, Moraine Assembly Plant
Moraine, Ohio, February 27, 2009

- **Draft Corrective Measures Proposal,** General Motors Corporation, Moraine, Ohio, August 25, 2008
- **Description of the Current Conditions, Task 1 of the RCRA Facility Investigation for Harrison Radiator Division-GMC,** Moraine, Ohio, prepared by Geraghty& Miller, Inc. January 1991.
- **Draft Former Building 14 Investigation Summary Report,** General Motors Corporation, Moraine, Ohio, prepared by ARCADIS, March 2005.
- **Lagoon Post-Closure Plan, General Motors Harrison Radiator Division Facility,** Moraine, Ohio, prepared by CRA, December 2001.
- **Supplemental RFI Volume 1, Moraine Assembly Plant,** Moraine, Ohio prepared by ARCADIS/Geraghty & Miller, April 2000.
- **Supplemental RFI Volume 2, Supplemental Baseline Risk Assessment, Moraine Assembly Plant,** Moraine, Ohio prepared by ARCADIS/Geraghty & Miller, April 2000
- **Draft Waste pile/Staging Area Investigation Summary Report,** General Motors Corporation, Moraine, Ohio prepared by ARCADIS, July 2004.
- **Corrective Measures Supplemental Groundwater Investigation Report,** General Motors Corporation, Moraine, Ohio prepared by ARCADIS, February 2007.
- **Draft Interim Measures/Corrective Measures Report,** General Motors Corporation, Moraine, Ohio prepared by ARCADIS, March 2001, Volume I.
- **Draft Interim Measures/Corrective Measures Report,** General Motors Corporation, Moraine, Ohio prepared by ARCADIS, March 2001, Volume II.
- **Boring and well logs, for the Former GM, Delphi, and Harrison Radiator Facility,** prepared by ARCADIS and others**,** various dates.

FIGURES



SOURCE: USGS QUAD DAYTON SOUTH, OHIO, REVISED 1991

0 0.5 MILES

Site Vicinity
Former Moraine Assembly Facility
MLC-1202

Moraine, Ohio

Figure 1

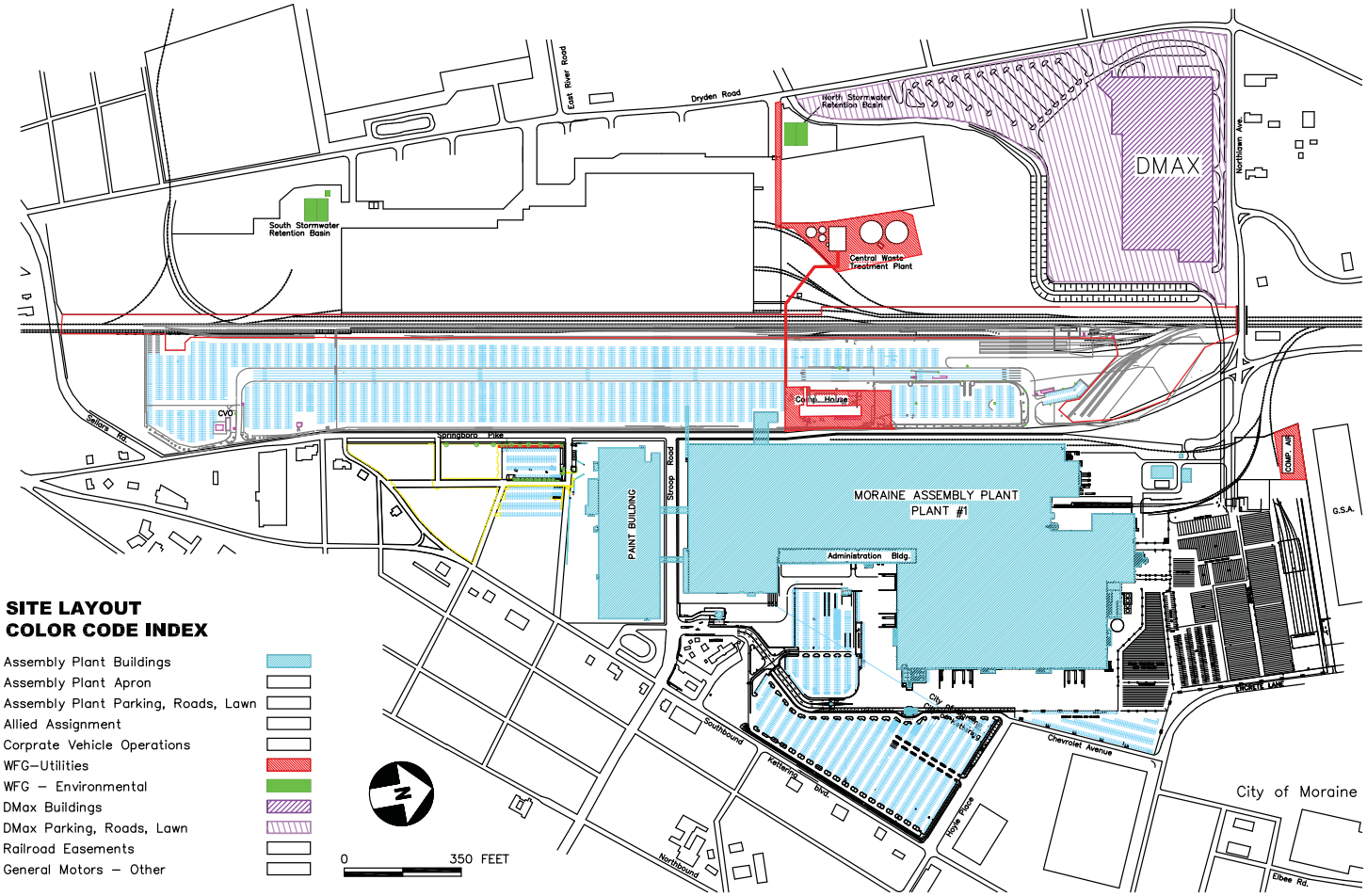
LFR an ARCADIS company

C:\Documents and Settings\MJHays\Desktop\gm moraine\OH294MLC09-00 - temp.dwg, 1/18/2010 2:29:54 PM, MJHays

Site Plan
Former Moraine Assembly Facility
MLC-1202
Moraine, Ohio

Figure 2

LFR an ARCADIS company



Building Plan
Former Moraine Assembly Facility
MLC-1202
Moraine, Ohio

Figure 3

LFR an ARCADIS company

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APPENDIX A

User Questionnaire

LFR ENVIRONMENTAL MANAGEMENT & CONSULTING ENGINEERING

Phase I Environmental Site Assessment Questionnaire

(User Provided Information Questionnaire)

Date: 12/ 3/2009
Site Name: GM Moraine Assembly- MLC 1202 Your Name: Ed Beckley
Site Location: GM Moraine Assembly Plant Your Title: Sr. Environmental Engineer
Relationship to Site: ☐ Owner ☐ Occupant ☐ Purchaser ☒ Other

Length of Time Associated with Site: 19 yrs

Please review and complete this questionnaire which will assist LFR in completing our site assessment. If sufficient space in not provided, please compete your response on a separate sheet of paper and attach it to this questionnaire.

1. Are you aware of any environmental cleanup liens against the Site that are filed or recorded under federal, tribal, state or local law?

   ☐ Yes ☐ No ☒ Unknown ☐ N/A

   If Yes, please explain: _____

2. Are you aware of any activity or land use limitations, such as engineering controls (for contaminant control), land use restrictions or institutional controls, that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

   ☐ Yes ☐ No ☒ Unknown ☐ N/A

   If Yes, please explain: _____

781.356.7300 m
781.356.2211 f
194 Forbes Road
Braintree, Massachusetts 02184-2668
Offices Nationwide
www.lfr.com

LFR

3. Do you have any specialized knowledge or experience related to the Site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Environmental Engineer for the GM Assembly facility assisting in disposal and proper use of regulated materials at the Site which may have an impact to the environment

4. Are you aware of commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

a) Do you know the past uses of the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Former Frigidaire facility, converted to GM assembly facility, made appliances and automobiles

b) Do you know of specific chemicals that are present or once were present at the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: See annual reports.

c) Do you know of spills or other chemical releases that have taken place at the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: See site records.

d) Do you know of any environmental cleanups that have taken place at the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Records of decommissioning, previous environmental reports. Closure and groundwater reports, etc

5. Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Site?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: _____

6. Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Site?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If Yes, please explain: _____

7. Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products at the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: See site records

8. Based on your knowledge and experience related to the Site are there any obvious indicators that point to the presence or likely presence of contamination at the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: See previous reports and ongoing groundwater remediation

9. Does the Site's purchase price reasonably reflect the fair market value of the property?

☐ Yes ☐ No ☒ Unknown ☐ N/A

If No, do you know the reason for lower purchase price? Is it possible that the lower purchase price is because of contamination known or believed to be present at the Site?

ARCADIS
Infrastructure, environment, facilities

PROJECT QUESTIONNAIRE

GENERAL SITE INFORMATION

Site Details

1.1 Site Name: GENERAL MOTORS MORAINE SITE

1.2 Full Postal Address: 2601 W. STROOP RD.
MORAINE OHIO 45439

1.3 Telephone Number: 937-643-3707 SECURITY AVAILABLE BUT I DON'T RECALL

1.4 Fax Number:

1.5 Principal Contact Name and Position: BILL GROVES - SITE MANAGER

1.6 Other Site Contacts and Positions: PAM BARNETT - BOW

1.7 Site Ownership Status:

Is the site owned, leased or were Land Use Rights (LUR) acquired? acquired LUR — Owned ✓ / ___ Leased

If owned, validity of land use rights? — Infinite ✓ / ___ years

If leased, who is the landlord? ___

Are there any other tenants / other parties on that site? DMAX / REALM — Yes ✓ No ___

If yes, please name / describe: DMAX ENGINE PLANT
KEALM JV FOR ENVIRONMENTAL SITES

Site Activities / Site Description

1.8 Briefly describe activities carried out on-site, including types of products / chemicals / materials handled (if available, include / attach flow schematic)

SPORT UTILITY VEHICLE MANUFACTURING
PARTS ARE SHIPPED TO SITE AND ARE ASSEMBLED ON SITE TO A COMPLETE VEHICLE. ON SITE OPERATIONS INCLUDED PAINTING, WELDING, ASSEMBLY AND FLUID FILLING OF VEHICLE.

1.9 Number of Employees Full-time: 1000 (2008)

Part-time: _____

1.10 Site Size

Total site area: 204

Covered by buildings (%): 57% 2004 EST
>40% 2009 EST

1.11 Detail the main sources of energy at the site:

Gas	VECTREN	Yes ✓	No ___
Electricity	DP&L	Yes ✓	No ___
Coal	VARIOUS SUPPLIERS	Yes ___	No ✓
Oil	BP, OTHERS	Yes ✓	No ___
District heating / steam		Yes ___	No ✓
Other		Yes ___	No ___

PREVIOUS TO 2004 COAL USED @ DELPHI

1.12 Is the site operating a power generation facility (incl. emergency generator) ? Yes ✓ No ___

If yes, please briefly describe (type / fuel, capacity, age, permitting & compliance status) 2 - 400 HP DIESEL FUELED NORTH END & WEST SIDE OF PLANT

If yes, is the site subject to any mass-loading quota limitations? Yes ___ No ? UNKNOWN

If yes, please briefly describe (limits and compliance status)

1.13 Are any significant construction projects or process / manufacturing / utility changes planned or requested by the supervising authorities in the next 5 years that will require / include modification of environmentally relevant facilities and re-permitting? Give details as to any environmental impacts or specific planning/development requirements. UNKNOWN BUT DEMO POSSIBLE

Site Setting / Environmental Setting

1.14 Describe surrounding land use (residential, industrial, rural etc.) and identify neighbouring facilities and types of industry.

North: COMMERCIAL (ARCHIVE, ETC) INDUSTRIAL
DMAX & CSX RAILROAD

East: INDUSTRIAL - H&H, COMMERCIAL BLDGS

South: COMMERCIAL - RESTAURANTS TREASURE
ISLAND & UPPER DECK

West: COMMERCIAL SITES VARIOUS INCLUDING
VALERO STATION RESIDENTIAL LOTS

1.15 Are there any sensitive receptor in the vicinity of the site?
(describe type, distance to the site, size / No. of inhabitants, name of watercourse etc.) GREAT MIAMI RIVER, MONTGOMERY COUNTY WELLFIELD

1.16 Topographical setting
(morphology, average elevation, vegetation, hydraulic situation etc.):
SITED OVER A SOLE SOURCE AQUIFER

1.17 Subsurface situation (geological / hydrogeological composition): MORAINE

1.18 Are monitoring wells located at the facility? Yes X No ____

1.19 If yes, how many wells? SEE TREM ____

If yes, please describe the purpose MONITORING UPSTREAM AND DOWNSTREAM OF LAGOONS AND LANDFILLS

1.20 Are you aware of any mines / quarrying, mineral rights or historic mining activities associated with your site? Yes___ No ✓

If yes, please describe RELOCATION OF SOIL FOR FILL FROM EAST SIDE OF SITE TO LAGOONS AROUND 1998 - 2000

1.21 Are there any signs of structural damages such as building and sealing cracks deriving from settlement / subsidence at your facility? NO.

If yes, have backfilling activities been performed prior to construction?
Please describe (cut & fill, widespread backfilling, trenches / channels)

Source of backfilling material known / unknown
Estimated extent of backfilled area _____m2
_____m depth

Site History

1.22 Briefly describe (to the best of your knowledge) the history of the site and it's surrounding, focussing on previous site utilization, environmentally relevant activities / installations. SEE DOCC

Former owner(s), type and duration of former use(s) (e.g. agriculture, forest, industrial):

Duration from ..... to	Owner / Tenant	Type of Use
1923 1978	FRIGIDAIRE	MANUFACTURING

1.23 Are there indications or information concerning spills or leakages on the property or in the neighbourhood (including current operations)? Yes X No ____
PLANT FILES AND RCRA DOCUMENTS

If yes, please fill in the following table: SEE DOCC

Date	Substance	Spilled Amount	Location

1.24 Please list any mayor site layout modifications and utilization changes on the site: TOO NUMEROUS TO FILL IN DOCC BEST SOURCE ALSO RCRA

Year	Modification of production facilities or buildings	Extension of facilities	Demolition / shut-down of facilities

1.25 Have environmental soil and / or groundwater investigations already been conducted on the site or in the neighborhood? Yes X No ____

If yes, please provide copies of the environmental reports / investigations / remediation measures. SEE NANCY G. OFFICE@ARCADIS

1.26 Based on the site situation regarding described site activities, surface sealing, geological / hydrogeological setting, sensitive receptors and site history, please provide an initial classification of:

the site's vulnerability to subsurface damages lower / moderate / higher

the sensitivity regarding subsurface damages reaching a receptor lower / moderate / higher

the sites' risk of bearing environmental liabilities lower / moderate / higher
DUE TO BANKRUPTCY

ENVIRONMENTAL STATUS INFORMATION

Hazardous Waste

2.1 Hazardous Waste Generator. LQG
Please indicate the hazardous waste generator classification of your facility.

2.2 Storage Areas

If you have any, please indicate:

Number of satellite accumulations areas: VARIES
Number of 90-day storage areas: 3
Number of Treatment Storage and Disposal (TSD) facilities: NONE
Number of interim status TSD areas: 1
Any other TSD activities other than storage? NOT CURRENTLY

If yes, please describe:

Unit	Status * (Active/Inactive)	Unit Descriptions	Permit Status (if Applicable)	Permit Issuance and Expiration Dates
Satellite Accumulation				
Less than 90 Day Accumulation Areas				
Permitted Container Storage Areas (greater than 90 Days)				
Impoundments				
Landfills				
Waste Piles				
Boilers/Incinerators/Furnaces				
Other				

2.3 Have closure plans and closure costs for permitted units been developed?

Yes X No ____

If yes, please provide closure costs and basis for closure calculations. Also indicate if the closure costs have been adjusted for inflationary purposes.

SEE PLANT RECORDS FOR PLANS

2.4 Have external disposal routes been unavailable or disposal capacity reduced?

Yes____ No X

2.5 Are there any increasing / decreasing stockpiles of wastes, by-products, intermediates or slow moving products with no established route out or no robust plan for resolution? Yes____ No X

2.6 Corrective Action: Is there any corrective action/remediation related to current or previous hazardous waste storage installations performed on site?

Yes X No ____

If yes, please describe type, and current status. Also provide estimate financial costs developed for Financial Assurances: BIO ACTIVITY W/FEEDING SYSTEMS.

2.7 Please indicate the hazardous wastes and water codes generated by the facility:

SEE PLANT HAZARDOUS WASTE REPORT

Hazardous Waste	Code
WASTE PAINT & SOLVENT	D001

2.8 Does your facility import or export hazardous wastes? Yes ___ No X

2.9 For wastes disposed off to landfills: GM
Who owns the waste / title for the waste in the landfill?

Have TSD audits of these facilities been performed? Yes X No ____

2.10 Does your facility generate used oil? Yes X No ____
Do you recycle the used oil? Yes X No ____
Do you burn the used oil on-site? Yes ____ No X

Chemical / Hazardous Material Storage & Handling

3.1 Underground Storage Tanks SEE TANK RECORDS

Please list all USTs in the following table.

Tank Construction	Tank Material	Material Stored	Volume	Type of Protection*

* leakage control, double-walled, overfill prevention, secondary containment

3.2 Above Ground Storage

Please list all ASTs in the following table. SEE SARA 302 REPORTS 2008

Tank Construction	Tank Material	Material Stored	Volume	Type of Protection*

* leakage control, double-walled, overfill prevention, secondary containment

3.3 Above Ground / Underground Pipelines

Are pipelines or way leaves used for hazardous liquids existing on site?
Yes X No____

If yes, please indicate:
Active_____ / inactive_____ / decommissioned X (please indicate)

Conveyed substances: Oil, Antifreeze Gasoline Power Steering

Connected to off-site storage / loading facilities / port / rail? Yes____ No X
(please indicate to which) Bulk tanks provided supply by trucks

3.4 Are (were) fuel stations for trucks, cars, or fork-lifts present on the site?
Yes X No____ unknown____

If yes, who is (was) the operator? How is (was) the underground protected against contaminations? GM & Complete - Allied - contract carriers
Fill stations are contained and waste handled through audited sites including Safety Kleen

3.5 Are (were) other in-ground facilities with hazardous liquids present on the site?
Yes____ No____ unknown X
If yes, please describe location / utilization etc. None at assembly site
Other units are unknown

3.6 Spill Prevention
Does your facility store more than 1,320 gallons of oil above ground or 42,000 gallons below ground? Yes X No_____

3.7 Oil Pollution Response
Does your facility have an Oil Pollution Response Plans Yes X No_____

3.8 Other facilities with storage / handling of chemicals / hazardous liquids
Please list all current and former storage and handling locations for drums, containers, and machineries facilities, including raw materials, hazardous substances, fuel, and waste (liquid, solid, empty containers etc.), including loading/offloading areas Plant wide depending on layout

Please mark each storage / loading area and former machine / facility described below with a number and mark it on the site layout plan SEE DOCC PLOT PLANS ON AUTOCAD

Storage area (no./name)	No. of drums / receptacles	Maximum storage per drum [L]	Content / substance	Safety precautions	Time of storage

3.9 Local Emergency Response Agencies

Have the local emergency response agencies imposed any additional requirements on the above listed facilities? Yes_____ No X

If yes, please describe. LEPC IS AVAILABLE PLANT HAD A REPRESENTATIVE ON THE COMMITTEE.

Water / Wastewater / Underground Injection

4.1 Potable Water.
From what sources does the facility obtain water (i.e., public water utility)?

Municipal System Montgomery County (City of Dayton)
Private well on site 11B & 12A
Private well off site No

4.2 Do groundwater abstraction wells exist on site? UNKNOWN Yes___ No ____

If yes, please describe: Active / inactive / decommissioned
Abstraction permit provided by _____ validity period_____

Abstraction volume actual _____ permitted_____

Utilization (sanitary purposes / process / drinking water supply)

4.3 Sewage System
Describe the site's sewage system regarding age, materials, separate / combined, underground / aboveground, discharge volume (actual & permitted), separators, inspection results etc.
To where are the various types of wastewater discharged to?

	Wastewater Treatment	Public sewage	Surface water	Infiltration n
Sanitary wastewater:	❑	☒	❑	❑
Production wastewater:	☒	❑	❑	❑
Cooling water:	❑	❑	☒	❑
Rainwater:	❑	❑	☒	❑
Mixed water:	☒	❑	❑	❑
Others:	❑	❑	❑	❑

4.4 Waste Water Treatment Plant (WWTP)
Is process wastewater treated at the facility? Yes X No ___

If yes, please describe the influent streams, basic treatment processes, fate of final discharges and discharge compliance status SEE DOCC & RECORDS
GENERAL WASTE FROM ASSEMBLY PLANT WAS EQUALIZED, pH ADJUSTED, CLARIFIED AND EITHER RECYCLED TO PLANT OR DISCHARGED.

4.5 Publicly Owned Treatment Works (POTW)
Does the facility discharge to a POTW? Yes X No___

If yes, please check the discharge types applicable to the facility.
Sanitary X Industrial X DISCHARGE FROM WTP ALSO GOES TO POTW MONTGOMERY COUNTY REGIONAL WEST

4.6 Surface Water
Does your facility operate under or have a permit to discharge to surface water? Yes X No___

If yes, number of permits 3

Number of discharge points 2

Who is the permittee? GENERAL MOTORS UTILITIES

4.7 Stormwater
Does your facility operate under a Stormwater Permit? Yes X No___

If yes, indicate the type of permit: General ____ Individual X

Who is the permittee? GENERAL MOTORS UTILITIES

4.8 Does your facility have a stormwater pollution prevention plan? Yes X No___

If yes, indicate type of measures, withholding capacity / retention volume etc.
SEE PLAN IN HOWARDS OFFICE

4.9 Contaminated Fire-Fighting Water Retention

Does your facility have a firefighting water retention facility? Yes___ No X

If yes, indicate the type of facility: _____ Capacity ____

4.10 Underground Injection Control
Does the facility inject fluids underground through bored, drilled or driven shaft, or dug holes? Yes___ No X

If yes, does the facility have a permit? Yes___ No___

If yes, please describe.

Air

5.1 Air Emissions

Does the facility have air emission sources? Yes X No___

INACTIVE AS OF DEC 2008

If yes, how many air emission sources does the facility have? PROCESS BASED

How many of the air emission sources are permitted? SEE PERMIT

Who is the permittee? GENERAL MOTOR MORAINE

5.2 Criteria Pollutants

Is your facility a major source for Criteria Pollutants? Yes X No___

If yes, please describe the pollutant(s) and source(s). VOC PAINT SHOP

NOx HEATING POSSIBLY

5.3 Hazardous Air Pollutants

Is your facility a major source for hazardous air pollutants? Yes X No___

If yes, please describe the pollutant(s) and source(s).

SEE AIR RECORDS FOR HAPS

5.4 Emissions Standards

Does your facility operate under a sector specific regulatory standard for air emissions? permit? AUTO MACT Yes X No___

If yes, please describe the pollutant(s), source(s) and compliance status.

VOC'S SITE WAS IN COMPLIANCE

5.5 Fuel Burners, Incinerators or Thermal Treatment

Does your facility include a fuel-burning unit (i.e., boiler, thermal dryer), incinerator, thermal treatment device, or other component(s) which may discharge to the atmosphere. Yes X No___

If yes, please provide the number of units and BTU capacities below.

ABATEMENT UNITS - SEE PERMIT

AIR HANDLERS

5.6 Air Pollution Control Equipment structures utilized at the facility.

Paint shop	OXIDIZERS (RECUPERATIVE & REGENERATIVE)
Carpenter shop	BAGHOUSE
Paint Spray booth filters	FILTERS & CARBON WHEEL CONCENTRATOR
Cyclone/Baghouse	SEVERAL IN WELDING ETC.
Others	

Other Hazardous Materials

6.1 PCB Transformers

Does your facility have transformers containing PCBS? Yes___ No X
If yes, please provide the following information:.

PCB Concentration Range _____ No. of Transformers_____

6.2 PCB Capacitors

Does the facility have capacitors containing PCBS? Yes___ No X
If yes, please list the number of each on-site below.

Large _____
Small _____

6.3 Other PCB Equipment

Does the facility have other PCB equipment (i.e., electromagnetic switches, voltage regulators, cables, heat transfer equipment) or PCBs? Yes___ No X

If yes, describe the equipment.

6.4 Asbestos
Do you have any Asbestos Containing Material (ACM) Yes X No___
Are there any demolition, renovations, and construction or removal activities involving ACM at your facility? Yes___ No X
Are there any removed ACMs stored / backfilled at your facility? Yes___ No X
If yes, please provide details on each issue

6.5 Pesticides

Does the company use any restricted (i.e., professional use) pesticides?
Yes___ No X

If yes, are employees certified applicators? Yes___ No___

If yes, briefly explain the nature of use and types of compounds.

Does the company use any non-restricted (i.e., consumer use) pesticides?
Yes___No___

If yes, briefly explain the nature of use and types of compounds.

E2.1 Environmental Due Diligence, Attachment 9
Owner/Occupant Questionnaire

Effective Date: 10/01/01
Supersedes: 09/23/99
Scheduled Review: 12/31/02

The time you take to complete this questionnaire will help us minimize the impact on your time and staff resources when we arrive on-site. Please feel free to use additional sheets if necessary. Thank you!

Source of Knowledge Concerning Site	
1. Name of individual completing questionnaire	ED BECKLEY
2. Title	SR. ENVIRONMENTAL ENGINEER
3. Telephone	937-429-3564
4. Fax	
5. What is the nature of your knowledge of the Site (i.e. on-site management, staff, absentee owner, etc.)?	SITE ENVIRONMENTAL ENGINEER RETIRED AT PLANT CLOSURE
6. When does your first-hand knowledge of the Site begin (year)?	1990 THROUGH 2009

Basic Site Information		**Check if appropriate**	✓
1. Store Number			
2. Site address, including zip code	2601 W. STROOP RD		
3. Inside incorporated area of…	MORAINE (CITY)	Not applicable	
4. County	MONTGOMERY		
5. Legal description (please attach if necessary)	SEE DOCC	Don't know…	
6. Approximate size	204 ACRES	Don't know…	
7. Tax parcel number	SEE COUNTY RECORDS	Don't know…	

Current Site Conditions

1. Who owns the Site?	MOTORS LIQUIDATION CORP & REALM
2. Does anyone other than ~~[illegible]~~ GM occupy the Site?	MLC (OLD GM)
3. What is the nature of the current use?	AWAITING DEMOLITION/SALE
4. When was the Site first occupied by the ~~[illegible]~~ GM?	SEE DOCC 1923? FRIGIDAIRE
5. Was the Site ever occupied for the same use by a previous occupant? If so, when?	SEE DOCC (FRIGIDAIRE) MAY HAVE BEEN SEPARATE AT ONE TIME

Site Features/Indicators of Recognized Environmental Conditions

To the best of your knowledge, does the subject Site have, or has it ever had…	Please check as appropriate		✓	
	Never had	Currently has	Formerly had	Don't know
1. Underground storage tanks?			✓	
2. Indications of a release from an underground storage tank?			✓	
3. Above-ground storage tanks?		✓		
4. Fuel storage and dispensing equipment?		✓		
5. Ponds, pits or lagoons?			✓	
6. A septic system?				✓
7. Water wells?		✓		
8. Disposal wells?				✓
9. Retention basins?			✓	(LAGOONS)
10. Paint Booth?		✓		
11. Wash Rack or Area?		✓		
12. Storm drains?		✓		
13. On-site waste treatment or disposal?		✓		
14. Electrical transformers or other equipment potentially containing polychlorinated biphenyls (PCBs)?			✓	
15. Stationary, in-the-ground hydraulic lifts?		✓		
16. Fill material brought onto the Site? By whom?				✓

Site Features/Indicators of Recognized Environmental Conditions (continued)					
To the best of your knowledge, does the subject Site have, or has it ever had…	**Please check as appropriate**		✓		
	Never had	**Currently has**	**Formerly had**	**Don't know**	
17. Pipelines carrying petroleum or hazardous materials?		✓			
18. Stained soil?			✓		
19. Unusual odors?			✓		
20. Pipes, fill ports, or access ways of unknown origin protruding from the ground?		✓			
21. Sheen or other discoloration of surface water?			✓		DETECTED IN BASINS & TREATED
22. Distressed vegetation (other than due to lack of water)?				✓	
23. Mixing, filling, or on-site application of pesticides other than for structural treatment or sanitation?				✓	
24. Environmental assessments or investigations?		✓			DOCC & FEA
25. Lead-based paint?		✓			
26. Surveys for lead-based paint?				✓	SPOT & PROJECT
27. Lead abatement activities?			✓		
28. Asbestos-containing materials?		✓			
29. Asbestos surveys?		✓			SITE RECORDS 1980,
30. Asbestos abatement activities?			✓		
31. Environmental liens against the Site?		✓			
32. Notices of environmental violations from any regulatory agency?			✓		Z/3 WATER MAIR I WASTE
33. Any investigation by a governmental agency of potential responsibility for environmental contamination, including responsibility for off-Site concerns?			✓		RCRA CORRECTIVE ACTION
34. Any lawsuits, disputes or administrative proceedings regarding environmental concerns associated with the Site, or activities conducted at the Site?			✓		RCRA BB/CC CHARGES MAY BE SETTLED

Previous Site Uses

To the best of your knowledge, please identify previous uses, occupants, and dates of occupancy for the subject Site		**Check if appropriate**	✓
• Previous occupant	FRIGIDAIRE	Don't know	
• Nature of use	APPLIANCE MFG.	Don't know	
• Dates of occupancy	1923 – 1978	Don't know	
• Previous occupant		Don't know	
• Nature of use		Don't know	
• Dates of occupancy		Don't know	
• Previous occupant		Don't know	
• Nature of use		Don't know	
• Dates of occupancy		Don't know	

To the best of your knowledge, has the subject Site or an adjoining property ever been used as a…	**Subject Site**			**Adjoining Properties (including those across the street)**			
	Yes	**No**	**Don't Know**	**Yes**	**No**	**Don't Know**	
1. Fueling station (other than during current use)?	✓			✓			
2. Manufacturing facility	✓			✓			
3. Vehicle repair facility?	✓			✓			
4. Commercial printing facility?		✓				✓	
5. Dry cleaner?		✓			✓		WITHIN 1/2 MILE
6. Photo-processing laboratory?			✓			✓	
7. Junkyard?	✓ LOCC			✓			
8. Commercial painting facility?	✓				✓		
9. Recycler?			✓			✓	
10. Waste treatment, storage or disposal facility?		✓				✓	RCRA INFORM FACILITY
11. Waste transfer station?	✓	✓			✓		WITHIN 1 MILE
12. Landfill?	✓				✓		
13. Pest control facility?		✓				✓	
14. Other industrial facility?	✓			✓			

Waste Disposal	How is waste disposed of and by whom (if applicable)?	Check if N/A
1. Used oil	RECYCLE - SAFETYKLEEN	
2. Oil filters	RECYCLE METAL	
3. Washrack oil/grease	RECYCLE - SK & OTHERS	
4. Mud/grit from washracks	SOLID WASTE - WM	
5. Paint waste	SOLID WASTE - WM	
6. Solvent wash tank waste	HANDLED BY HAULER	
7. Off-spec fuel?	RECYCLE / DISPOSAL - SK	
8. Waste antifreeze?	RECYCLE / DISPOSAL - BROKERS	
9. Non-hazardous solid waste (dumpsters)?	RUMPKE @ STONEY HOLLOW	
10. Tires	RUMPKE	
11. Batteries	RECYCLE - DELPHI	
12. Other wastes (please specify)	WASTE SOLVENT - GAGE / HENKEL / PPG	
13. Other wastes (please specify)	WASTE PAINT / SK, GAGE / HENKEL	

Utilities	
Who provide the following services to the Site?	
1. drinking water	MONTGOMERY COUNTY
2. gas	VECTREN
3. electricity	DAYTON POWER & LIGHT
4. heating oil, if applicable	N/A
5. sanitary sewage disposal	MONTGOMERY COUNTY
6. garbage disposal	RUMPKE / WM
7. industrial wastewater disposal	N/A - ON SITE WTP

Permits

To the best of your knowledge, does the Site have, or has it ever had, any of the following?

	Yes	No	Don't know	Descriptions and/or comments
1. Storm Water Discharge Permit? Issuing agency and issue date? Fees/taxes paid? Any actions required? When?	✓			Permit No. Expiration Date:
	SEE PLANT PERMITS IN OFFICE			
2. Air quality permit? Issuing agency and issue date? Fees/taxes paid? Any actions required? When?	✓			Permit No. Expiration Date:
	PLANT PERMIT TITLE V FACILITY			
3. Is the Site registered as a hazardous waste generator? Other registration numbers? Fees/taxes paid? Any actions required? When?	✓			RCRA EPA ID No.
				RCRA State ID No.
	SEE PERMITS			
4. Wastewater discharge permit? Issuing agency and issue date? Fees/taxes paid? Any actions required? When?	✓			Permit No. Exp.Date:
	SEE PLANT PERMITS			
5. Any other types of permits? Please list.	✓			
	MEDICAL WASTE			Permit No. Exp.Date: 12/2008
				Permit No. Exp.Date:
				Permit No. Exp.Date:

APPENDIX B

Historical Research Documentation

Aerial Photographs

MLC 1202 GM Moraine Assembly Plant
2601 Stroop Road
Dayton, OH 45439

Inquiry Number: 2648305.5
December 01, 2009

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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with any questions or comments.

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Date EDR Searched Historical Sources:

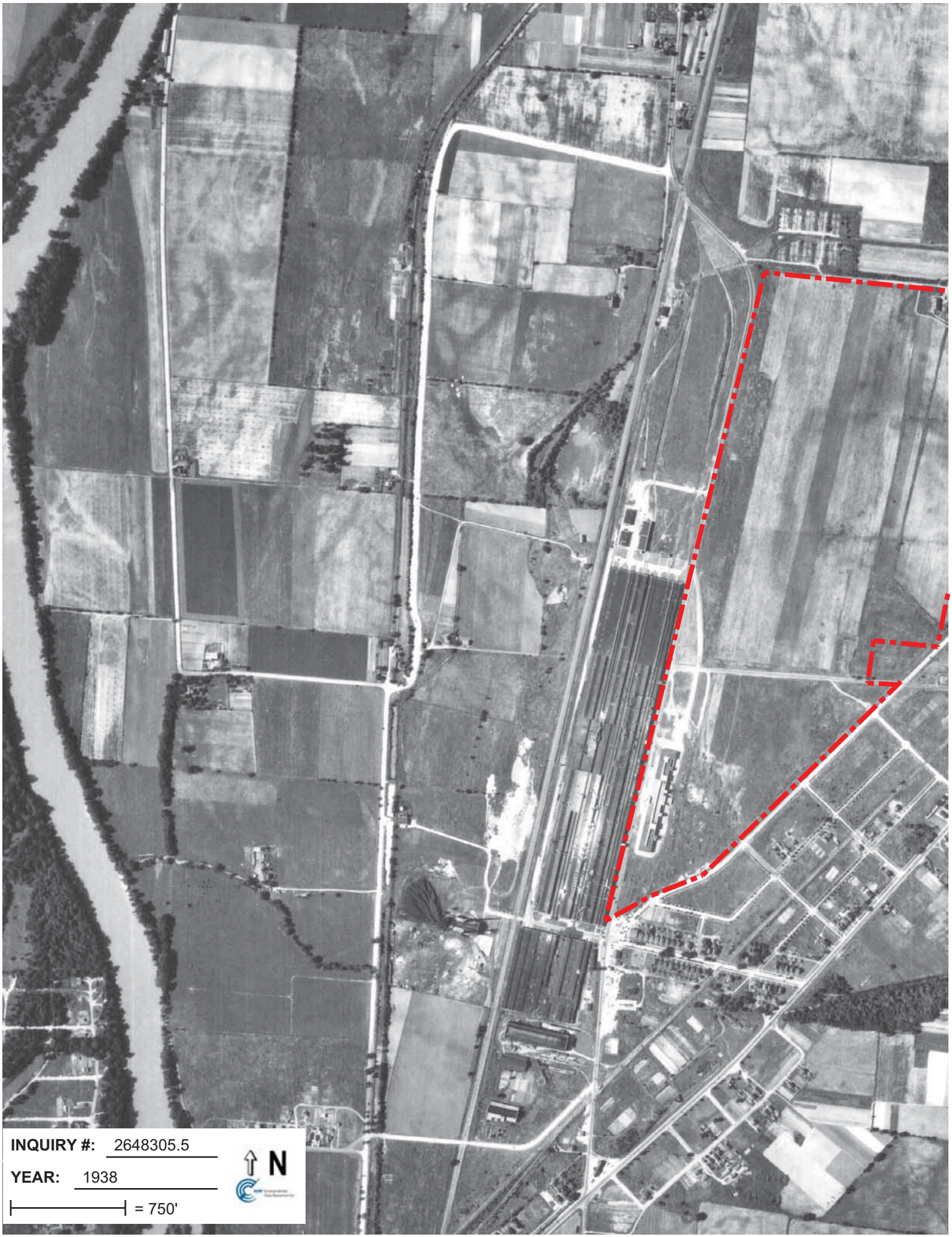
Aerial Photography December 01, 2009

Target Property:

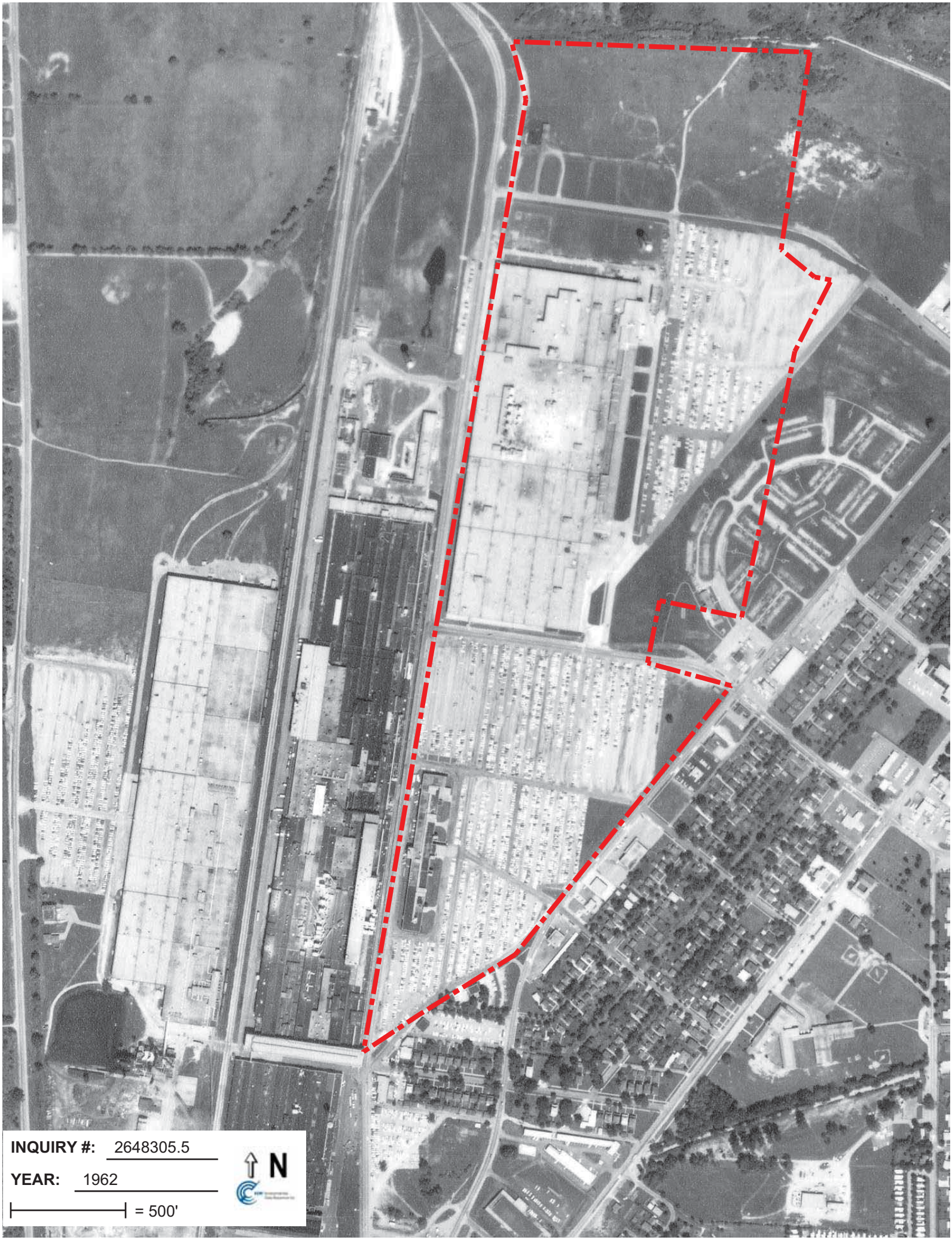
2601 Stroop Road

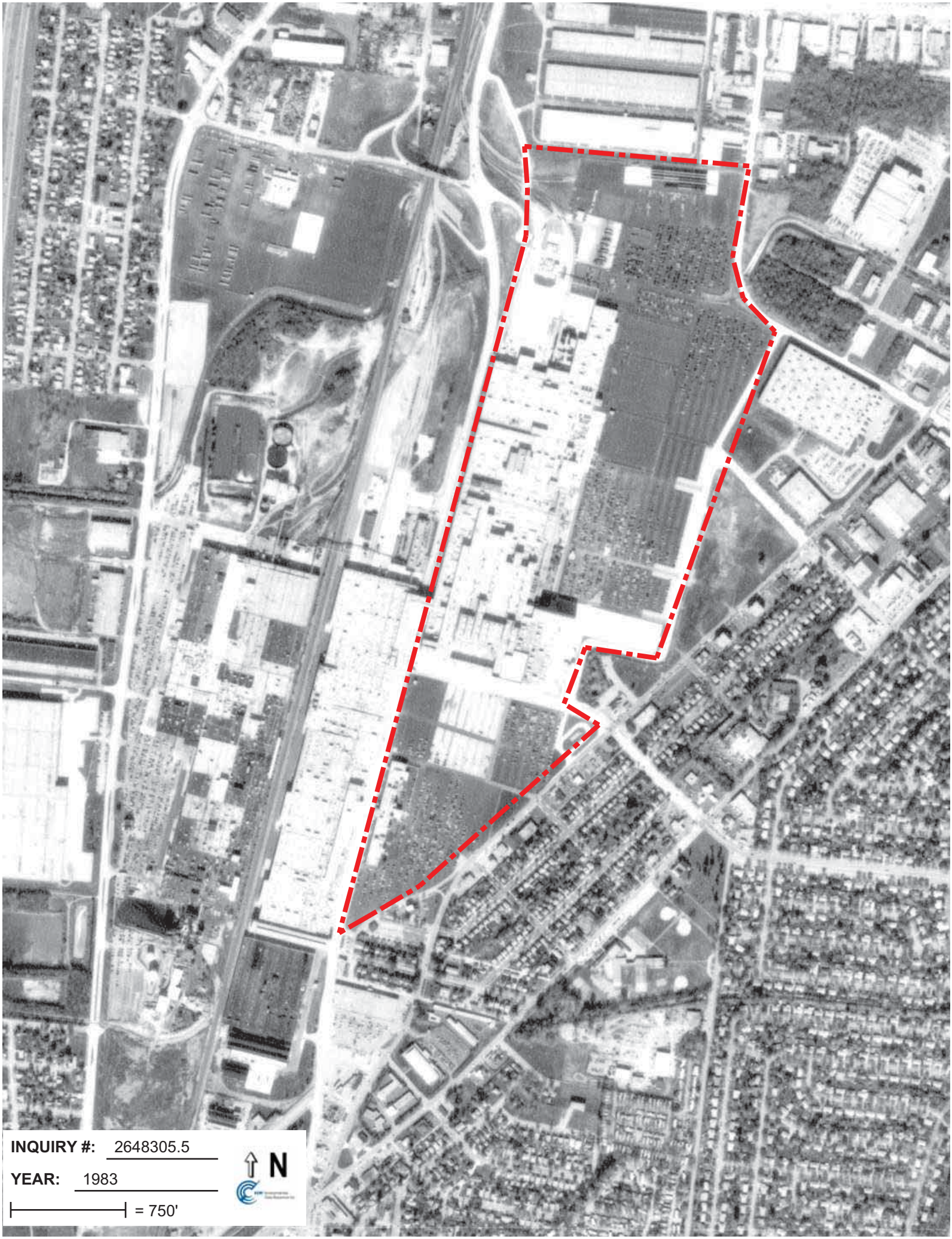
Dayton, OH 45439

Year	***Scale***	***Details***	***Source***
1938	Aerial Photograph. Scale: 1"=750'	Panel #: 2439084-F2/Flight Date: June 29, 1938	EDR
1956	Aerial Photograph. Scale: 1"=500'	Panel #: 2439084-F2/Flight Date: August 16, 1956	EDR
1962	Aerial Photograph. Scale: 1"=500'	Panel #: 2439084-F2/Flight Date: August 01, 1962	EDR
1983	Aerial Photograph. Scale: 1"=750'	Panel #: 2439084-F2/Flight Date: November 09, 1983	EDR
1988	Aerial Photograph. Scale: 1"=750'	Panel #: 2439084-F2/Flight Date: April 05, 1988	EDR
1994	Aerial Photograph. Scale: 1"=750'	Panel #: 2439084-F2/Flight Date: April 01, 1994	EDR
2005	Aerial Photograph. 1" = 604'	Flight Year: 2005	EDR
2006	Aerial Photograph. 1" = 604'	Flight Year: 2006	EDR


INQUIRY #: 2648305.5
YEAR: 1938
= 750'
N

INQUIRY #: 2648305.5
YEAR: 1956
= 500'
N


INQUIRY #: 2648305.5
YEAR: 1962
= 500'
N


INQUIRY #: 2648305.5
YEAR: 1983
= 750'
N

INQUIRY #: 2648305.5
YEAR: 1988
= 750'
N

INQUIRY #: 2648305.5
YEAR: 1994
= 750'
N

INQUIRY #: 2648305.5
YEAR: 2005
= 604'
N

INQUIRY #: 2648305.5
YEAR: 2006
= 604'
N

Sanborn Maps

MLC 1202 GM Moraine Assembly Plant
2601 Stroop Road
Dayton, OH 45439

Inquiry Number: 2648305.3
December 01, 2009

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/01/09

Site Name:	Client Name:
MLC 1202 GM Moraine	LFR Inc.
2601 Stroop Road	4665 Cornell Road
Dayton, OH 45439	Cincinnati, OH 45241
EDR Inquiry # 2648305.3	Contact: Todd Aebie

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by LFR Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: MLC 1202 GM Moraine Assembly Plant
Address: 2601 Stroop Road
City, State, Zip: Dayton, OH 45439
Cross Street:
P.O. # NA
Project: NA
Certification # CE29-496B-93DB

Maps Provided:

1965
1962
1956

Sanborn® Library search results
Certification # CE29-496B-93DB

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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LFR Inc. (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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Certified Sanborn® Map Report Enhancements for 2009

The accompanying Certified Sanborn Map Report reflects a number of enhancements that make it easier for you to review these historical maps. EDR has digitally joined together the more than one million fire insurance maps from the Sanborn Library collection so that your target property is centered, making it easier for you to review adjoining properties. Here is a list of the new features:

· Your target property is centered on each map. You can quickly locate your target property and view adjoining properties. Plus, adjoining properties are included more often, reducing your need to refer to additional maps.

· All maps are now displayed at a uniform scale. This makes it easier for you to view changes to the property over time.

· We've increased coverage by adding thousands of new maps from 40 cities for years 1994-2007.

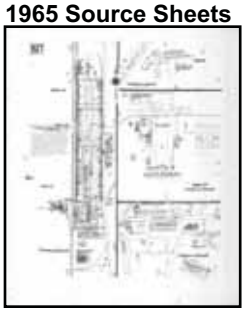
· A new Map Key and Sheet Thumbnails let you reference sheet numbers, year and volume of original Sanborn Map panels used for this report.

For more information about the new enhancements to the Certified Sanborn Map Report, contact your EDR representative at 800-352-0050.

Sanborn Sheet Thumbnails

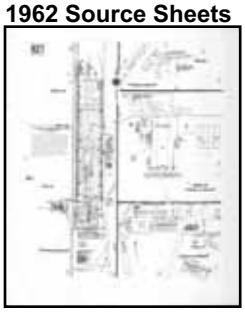
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1965 Source Sheets



Volume v.6&8, Sheet 827

1962 Source Sheets

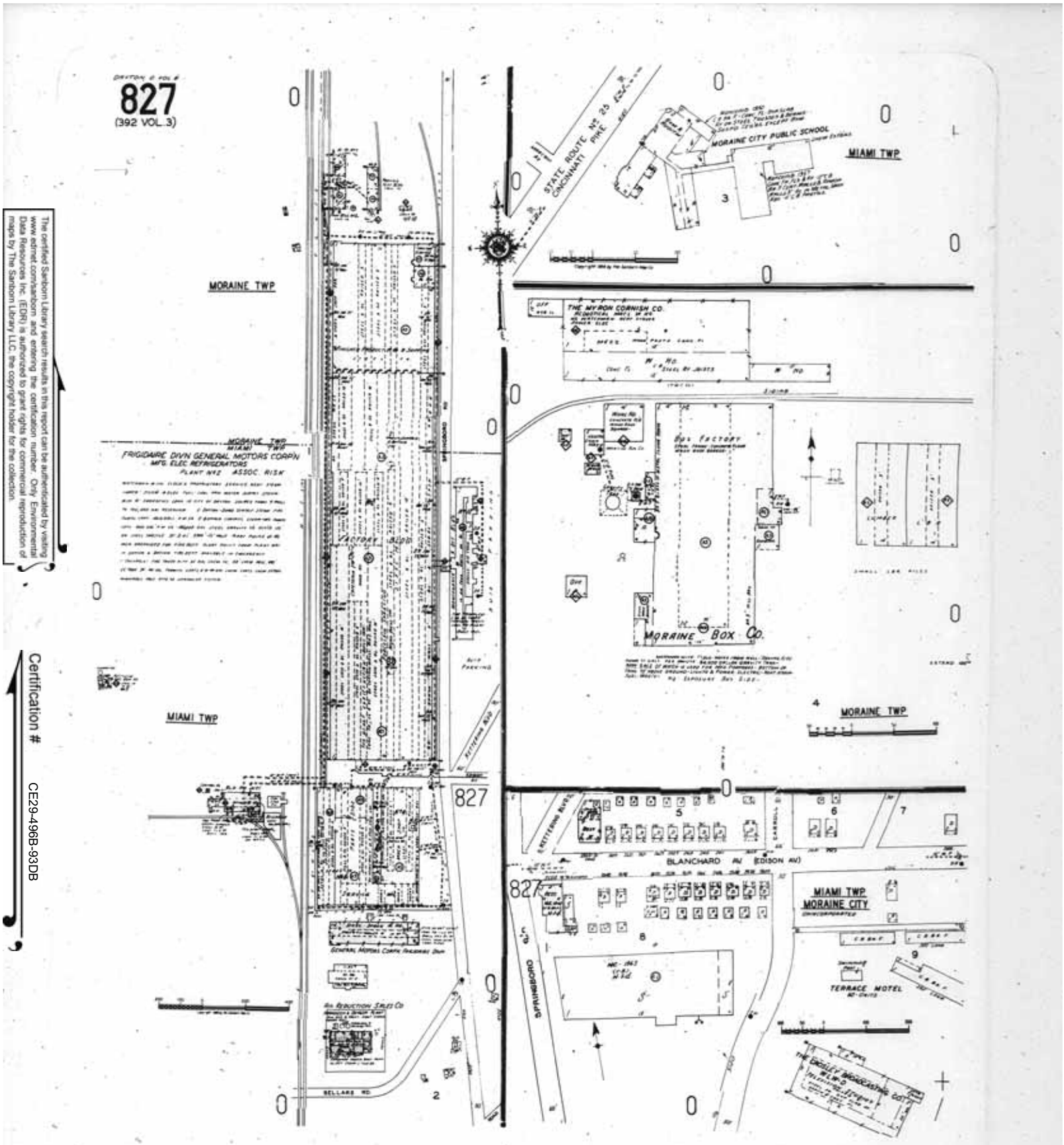


Volume v.6&8, Sheet 827

1956 Source Sheets

Volume 6, Sheet 827

1965 Certified Sanborn Map



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Certification # CE29-496B-93DB

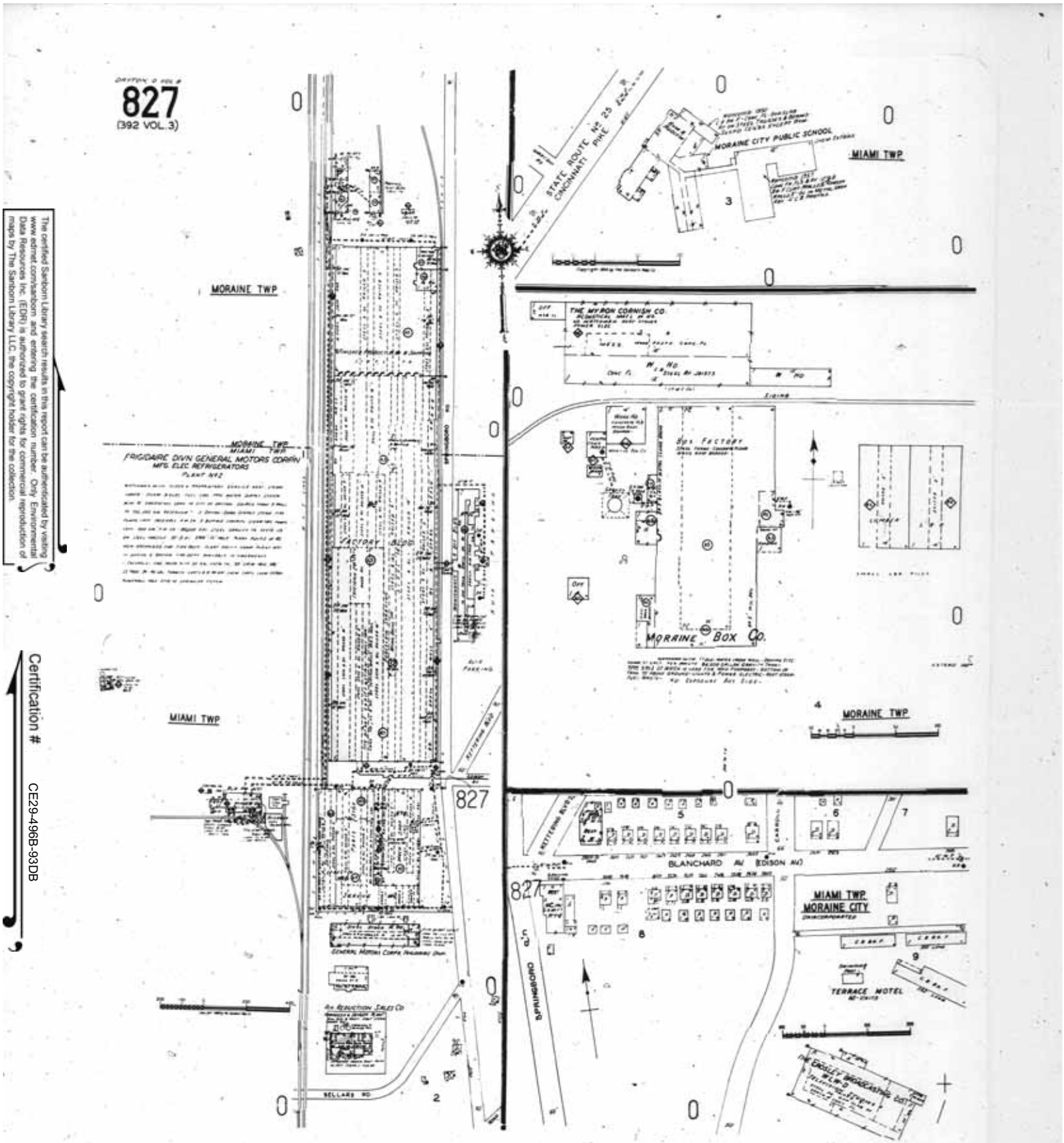
Site Name: MLC 1202 GM Moraine Assembly Plant
Address: 2601 Stroop Road

City, ST, ZIP: Dayton OH 45439

Client: LFR Inc.
EDR Inquiry: 2648305.3
Order Date: 12/1/2009 7:06:02 PM
Certification # CE29-496B-93DB

Copyright: 1965

1962 Certified Sanborn Map



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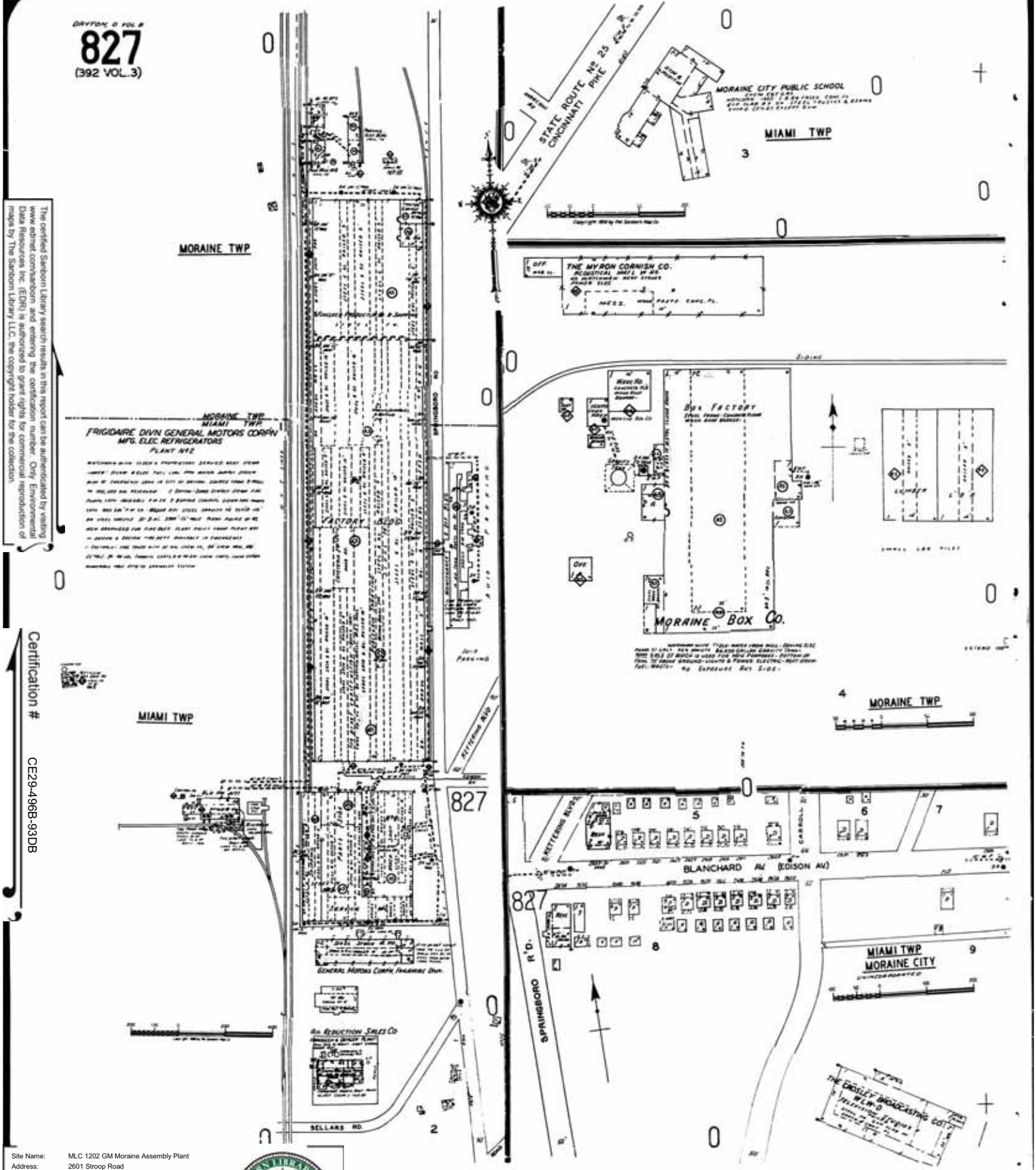
Certification # CE29-496B-93DB

Site Name:	MLC 1202 GM Moraine Assembly Plant
Address:	2601 Stroop Road
City, ST, ZIP:	Dayton OH 45439
Client:	LFR Inc.
EDR Inquiry:	2648305.3
Order Date:	12/1/2009 7:06:02 PM
Certification #	CE29-496B-93DB

Copyright: 1962

1956 Certified Sanborn Map



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Certification # CE29-496B-93DB

Site Name:	MLC 1202 GM Moraine Assembly Plant
Address:	2601 Stroop Road
City, ST, ZIP:	Dayton OH 45439
Client:	LFR Inc.
EDR Inquiry:	2648305.3
Order Date:	12/1/2009 7:06:02 PM
Certification #	CE29-496B-93DB

Copyright: 1956

City Directory Abstract

MLC 1202 GM Moraine Assembly Plant
2601 W Stroop Road
Dayton, OH 45439

Inquiry Number: 2648305.6
December 09, 2009

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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Executive Summary

Findings

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

City Directory Report. Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.

2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.

3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

Options for Selecting Adjoining Properties. Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.

2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.

3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.

4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit www.edrnet.com/2009enhancements

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2003. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2003	HANIES AND COMPANY	X	X	X	-
1996	R. L. Polk & Co.	-	-	-	-
1992	R. L. Polk & Co.	-	X	X	-
1988	R. L. Polk & Co.	-	-	-	-
1983	R. L. Polk & Co.	-	-	-	-
1978	The Williams Directory Co.,	-	-	-	-
1973	The Williams Directory Co.,	-	-	-	-
1968	The Williams Directory Co.,	-	X	X	-
1962	The Williams Directory Co.,	-	-	-	-
1961	The Williams Directory Co.,	-	X	X	-
1958	The Williams Directory Co.,	-	X	X	-
1956	The Williams Directory Co.,	-	X	X	-
1953	The Williams Directory Co.,	-	X	X	-
1948	The Williams Directory Co.,	-	-	-	-
1943	The Williams Directory Co.,	-	X	X	-
1938	The Williams Directory Co.,	-	-	-	-
1933	The Williams Directory Co.,	-	-	-	-
1927	The Williams Directory Co.,	-	-	-	-
1922	The Williams Directory Co.,	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

2601 W Stroop Road
Dayton, OH 45439

FINDINGS DETAIL

Target Property research detail.

Year	Uses	Source
2003	ASSEMBLY TOURS	HANIES AND COMPANY
	BUILDING	HANIES AND COMPANY
	COMMERCLCARRIERS	HANIES AND COMPANY
	EMP HOURLY GENLMTRS	HANIES AND COMPANY
	EMP SALARY	HANIES AND COMPANY
	EMPLY HOURLY	HANIES AND COMPANY
	G M TRUCK GROUP	HANIES AND COMPANY
	GENLMTRS TRUCK	HANIES AND COMPANY
	GENLMTRSTRUCK	HANIES AND COMPANY
	GMTRUCKGROUP	HANIES AND COMPANY
	LCL 7918 UE	HANIES AND COMPANY
	LOCAL 7981 UE	HANIES AND COMPANY
	NORTH AMERICAN	HANIES AND COMPANY
	QMTRUCKGROUP	HANIES AND COMPANY
	SHOOK INC	HANIES AND COMPANY
	TRUCK PLATFORM	HANIES AND COMPANY

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

FULTON AVE

3908 FULTON AVE

Year	Uses	Source
2003	OGRENCAVAGEMark	HANIES AND COMPANY
	STAUBL	HANIES AND COMPANY
1961	Coulter Edna A	The Williams Directory Co.,
1956	Johnson Chas R	The Williams Directory Co.,

3909 FULTON AVE

Year	Uses	Source
2003	ROBINSON Amanda	HANIES AND COMPANY
1961	Sparks Johnnie	The Williams Directory Co.,
1956	Sparks Johnnie	The Williams Directory Co.,

3912 FULTON AVE

Year	Uses	Source
2003	BORNEMANNTodd	HANIES AND COMPANY
1961	Burchett Pearl	The Williams Directory Co.,
1956	Zopf Geo W	The Williams Directory Co.,

3913 FULTON AVE

Year	Uses	Source
2003	DUDRICK Emily L	HANIES AND COMPANY
1961	Dudrick Louis E	The Williams Directory Co.,
1956	Good Kenneth E	The Williams Directory Co.,

3916 FULTON AVE

Year	Uses	Source
2003	GOOD Donna	HANIES AND COMPANY
	C MAIDEN Douglas B	HANIES AND COMPANY
1961	Good Kenneth E	The Williams Directory Co.,

3917 FULTON AVE

Year	Uses	Source
2003	SJACOBSJohn	HANIES AND COMPANY

FINDINGS

Year	Uses	Source
2003	STEPHANB	HANIES AND COMPANY
1961	Benson Edw M	The Williams Directory Co.,
1956	Benson Edw M	The Williams Directory Co.,

3920 FULTON AVE

Year	Uses	Source
2003	OJONESLulher	HANIES AND COMPANY
1961	Quigley Ernest M	The Williams Directory Co.,
1956	Quigley Ernest M	The Williams Directory Co.,

3921 FULTON AVE

Year	Uses	Source
2003	HUNTJanice	HANIES AND COMPANY
1961	Preston Fred	The Williams Directory Co.,
1956	Kirkendall Edgar D jr	The Williams Directory Co.,

3924 FULTON AVE

Year	Uses	Source
2003	SHUMEMark	HANIES AND COMPANY
1961	Thorp Eunice Z	The Williams Directory Co.,
1956	Thorp Eunice Z	The Williams Directory Co.,

3925 FULTON AVE

Year	Uses	Source
2003	MANLEY Kevin	HANIES AND COMPANY
1961	Burton Win M	The Williams Directory Co.,
1956	Burton Wm M	The Williams Directory Co.,

3928 FULTON AVE

Year	Uses	Source
2003	JUMP Amanda	HANIES AND COMPANY
1961	Gray Robt M	The Williams Directory Co.,
	Bennett Carl E	The Williams Directory Co.,
1956	Bennett Carl E	The Williams Directory Co.,

3929 FULTON AVE

Year	Uses	Source
2003	EOGGS Patricia	HANIES AND COMPANY
1956	Gray Robt M	The Williams Directory Co.,

FINDINGS

3932 FULTON AVE

Year	Uses	Source
2003	1 NNISKimbra	HANIES AND COMPANY
	YOAKAMKS	HANIES AND COMPANY
1961	Stokes Lida Mrs	The Williams Directory Co.,
1956	Coursey Helen S Mrs	The Williams Directory Co.,

3933 FULTON AVE

Year	Uses	Source
2003	MULLINSTony D	HANIES AND COMPANY
1961	Harmon Leon	The Williams Directory Co.,
1956	Arthur Robt D	The Williams Directory Co.,

3936 FULTON AVE

Year	Uses	Source
2003	BRACKNEY Emest	HANIES AND COMPANY
1961	Creech Glenn	The Williams Directory Co.,
1956	Mc Cauley Walter F	The Williams Directory Co.,

3937 FULTON AVE

Year	Uses	Source
2003	DAVIS Roger	HANIES AND COMPANY
1961	Hemphill Helen T	The Williams Directory Co.,
1956	Armbruster Martin M	The Williams Directory Co.,

3940 FULTON AVE

Year	Uses	Source
2003	SAUNDERSShelly A	HANIES AND COMPANY
1961	Vacant	The Williams Directory Co.,
1956	Hatch M Helen Mrs	The Williams Directory Co.,

3941 FULTON AVE

Year	Uses	Source
2003	DAVISClifford	HANIES AND COMPANY
1961	Ault Frank R	The Williams Directory Co.,
1956	Wayne Geo E	The Williams Directory Co.,

3944 FULTON AVE

Year	Uses	Source
2003	BRACHNEYDonna	HANIES AND COMPANY
1961	Thornton John E	The Williams Directory Co.,

FINDINGS

Year	Uses	Source
1956	Mills Bernard L	The Williams Directory Co.,

3945 FULTON AVE

Year	Uses	Source
2003	8 HIGH Paul	HANIES AND COMPANY
1961	Ault Raymond R	The Williams Directory Co.,
1956	Ault Raymond R	The Williams Directory Co.,

4000 FULTON AVE

Year	Uses	Source
1956	Steinecker Henry W phys	The Williams Directory Co.,
	Shade Henry G osteo	The Williams Directory Co.,
	Shanesy Robt H ins	The Williams Directory Co.,
	Buckingham Robt L lwyr	The Williams Directory Co.,

4001 FULTON AVE

Year	Uses	Source
2003	MCGUINNESSTroy	HANIES AND COMPANY

4004 FULTON AVE

Year	Uses	Source
2003	XXXX	HANIES AND COMPANY

4005 FULTON AVE

Year	Uses	Source
2003	HAYESMW	HANIES AND COMPANY

4009 FULTON AVE

Year	Uses	Source
2003	ROSSWTSr	HANIES AND COMPANY

4012 FULTON AVE

Year	Uses	Source
2003	LEONHARDL	HANIES AND COMPANY

4013 FULTON AVE

Year	Uses	Source
2003	SKELLER Rolandl	HANIES AND COMPANY

FINDINGS

4016 FULTON AVE

Year	Uses	Source
2003	HARTLeanna	HANIES AND COMPANY
	KIDWELL Daniel 937 299 4933 a	HANIES AND COMPANY

4017 FULTON AVE

Year	Uses	Source
2003	RINGLER Bety	HANIES AND COMPANY

4020 FULTON AVE

Year	Uses	Source
2003	WISSLER Brian K	HANIES AND COMPANY
	SWISSLER Caillin	HANIES AND COMPANY

4021 FULTON AVE

Year	Uses	Source
2003	WERTZ Patricia 00 B	HANIES AND COMPANY

4025 FULTON AVE

Year	Uses	Source
2003	MORGAN Jon	HANIES AND COMPANY

4028 FULTON AVE

Year	Uses	Source
2003	STARGELJoseph	HANIES AND COMPANY

4029 FULTON AVE

Year	Uses	Source
2003	DESKI Danielle	HANIES AND COMPANY
	DESKI James P	HANIES AND COMPANY

4032 FULTON AVE

Year	Uses	Source
2003	BROADUSJulian	HANIES AND COMPANY

4033 FULTON AVE

Year	Uses	Source
2003	WIRICKGreg	HANIES AND COMPANY

4036 FULTON AVE

Year	Uses	Source
2003	SSTRINGFIELDTerry	HANIES AND COMPANY

FINDINGS

4037 FULTON AVE

Year	Uses	Source
2003	SRICHEYJerry	HANIES AND COMPANY
	PEARSONRay	HANIES AND COMPANY

4040 FULTON AVE

Year	Uses	Source
2003	MAURICE Michael	HANIES AND COMPANY

4041 FULTON AVE

Year	Uses	Source
2003	BASSETTAIlan	HANIES AND COMPANY
	SNANGLEMarha	HANIES AND COMPANY

4044 FULTON AVE

Year	Uses	Source
2003	MAURICE Angela	HANIES AND COMPANY

4045 FULTON AVE

Year	Uses	Source
2003	STEPHENS Brad	HANIES AND COMPANY
	STEPHENS B	HANIES AND COMPANY

4048 FULTON AVE

Year	Uses	Source
2003	WAGERMAN GW	HANIES AND COMPANY

4049 FULTON AVE

Year	Uses	Source
2003	VOILESR	HANIES AND COMPANY

4053 FULTON AVE

Year	Uses	Source
2003	MAISEEdw	HANIES AND COMPANY

KETTERING BLVD

3901 KETTERING BLVD

Year	Uses	Source
1961	thon Serv	The Williams Directory Co.,
	Wilsons Mara	The Williams Directory Co.,
1956	Moraine dcr Soix	The Williams Directory Co.,

FINDINGS

Year	Uses	Source
1956	Herbs Marathon Serv gas eta	The Williams Directory Co.,

3940 KETTERING BLVD

Year	Uses	Source
2003	FUNERAL HOME	HANIES AND COMPANY
	FCTRYDIRCT	HANIES AND COMPANY
	DISCOUNTCASKETST	HANIES AND COMPANY
	MILESTONE INC	HANIES AND COMPANY
	NEWCOMER BARCLAY	HANIES AND COMPANY
1961	Foodtown	The Williams Directory Co.,
	Stragands IGA	The Williams Directory Co.,
	G&R Jewelers	The Williams Directory Co.,
	a Craigs Barber	The Williams Directory Co.,
1956	Stragands Poodlin r gro	The Williams Directory Co.,

3942 KETTERING BLVD

Year	Uses	Source
1961	Merrie Inn restr	The Williams Directory Co.,
1956	Cxaigs Blarber Shop	The Williams Directory Co.,
	M erie Inn retsr	The Williams Directory Co.,

3944 KETTERING BLVD

Year	Uses	Source
2003	BUILDER	HANIES AND COMPANY
	REAGAN THOMAS L	HANIES AND COMPANY
	MARKETPLACEOF	HANIES AND COMPANY
	CARLISLE	HANIES AND COMPANY
1961	Business Credit	The Williams Directory Co.,
	ofc	The Williams Directory Co.,
	Tabler ite Meat	The Williams Directory Co.,
	Bureau Inc	The Williams Directory Co.,
1956	Gins Sweet Shoppe rest	The Williams Directory Co.,

3946 KETTERING BLVD

Year	Uses	Source
2003	OAKW 00 DCOFC	HANIES AND COMPANY
	KEITRG MORAINE	HANIES AND COMPANY
1961	Monjar Jas R	The Williams Directory Co.,
	Gross Edgar	The Williams Directory Co.,
1956	Monjar Jas H	The Williams Directory Co.,

Year	Uses	Source
1956	Gross Edgar	The Williams Directory Co.,

3950 KETTERING BLVD

Year	Uses	Source
2003	XXXX	HANIES AND COMPANY

4002 KETTERING BLVD

Year	Uses	Source
2003	MORAINE CITY	HANIES AND COMPANY
	KETTERING CSD	HANIES AND COMPANY

4018 KETTERING BLVD

Year	Uses	Source
2003	XXXX	HANIES AND COMPANY

4032 KETTERING BLVD

Year	Uses	Source
2003	XXXX	HANIES AND COMPANY

4060 KETTERING BLVD

Year	Uses	Source
2003	XXXX	HANIES AND COMPANY

4099 KETTERING BLVD

Year	Uses	Source
2003	HIGLEYCWDVM	HANIES AND COMPANY

4100 KETTERING BLVD

Year	Uses	Source
2003	HIPPLECANCER	HANIES AND COMPANY
	RESEARCH CENTER	HANIES AND COMPANY

MORAINE AVE

16 MORAINE AVE

Year	Uses	Source
1992	HOUSEHOLDS	R. L. Polk & Co.

2 MORAINE AVE

Year	Uses	Source
1958	S 32 Shively Willis L bldg	The Williams Directory Co.,
	contr	The Williams Directory Co.,

FINDINGS

Year	Uses	Source
1958	S 38 Fahlqulst Eric W	The Williams Directory Co.,
1953	S 10 Sternberger Gus	The Williams Directory Co.,
1943	a 15 Simpson irving C	The Williams Directory Co.,
	a 01 Wiliamson Jos H	The Williams Directory Co.,

28 MORAINE AVE

Year	Uses	Source
1943	L 8 Gotham Ernest A	The Williams Directory Co.,

3 MORAINE AVE

Year	Uses	Source
2003	R 9 N OF OXFORD AV	HANIES AND COMPANY
	FROM PHILADELPHIA RDW	HANIES AND COMPANY

6 MORAINE AVE

Year	Uses	Source
1968	TURNER CHESTER C	The Williams Directory Co.,

MORAINE CIR

35 MORAINE CIR

Year	Uses	Source
2003	KETTERING CSD	HANIES AND COMPANY
	MUSEUM	HANIES AND COMPANY
	KEITRO MORAINE 937 239 2722 B	HANIES AND COMPANY
	KETTERING CITY	HANIES AND COMPANY
1961	Municipal Court	The Williams Directory Co.,
	Div of Bldgs	The Williams Directory Co.,
	Grounds	The Williams Directory Co.,

MORAINE CIR N

10 MORAINE CIR N

Year	Uses	Source
1956	Devaney Robt L	The Williams Directory Co.,

11 MORAINE CIR N

Year	Uses	Source
1956	Phillips Travis M	The Williams Directory Co.,

FINDINGS

12 MORAINE CIR N

Year	Uses	Source
1956	Smith Kenneth E	The Williams Directory Co.,

13 MORAINE CIR N

Year	Uses	Source
1956	Ratliff Eldon	The Williams Directory Co.,

14 MORAINE CIR N

Year	Uses	Source
1956	Atkinson Dalbert E	The Williams Directory Co.,

15 MORAINE CIR N

Year	Uses	Source
1956	Neal Francis M	The Williams Directory Co.,

16 MORAINE CIR N

Year	Uses	Source
1956	Lemmons Dorris B	The Williams Directory Co.,

17 MORAINE CIR N

Year	Uses	Source
1956	Pollack Harry C	The Williams Directory Co.,

18 MORAINE CIR N

Year	Uses	Source
1956	Roberts Herbert H	The Williams Directory Co.,

19 MORAINE CIR N

Year	Uses	Source
1956	Smith Claude W	The Williams Directory Co.,

2 MORAINE CIR N

Year	Uses	Source
1956	Frost Earl D	The Williams Directory Co.,

20 MORAINE CIR N

Year	Uses	Source
1956	Grooms Rubin W	The Williams Directory Co.,

21 MORAINE CIR N

Year	Uses	Source
1956	Sandlin Floyd	The Williams Directory Co.,

FINDINGS

22 MORAINE CIR N

Year	Uses	Source
1956	Chester James	The Williams Directory Co.,

23 MORAINE CIR N

Year	Uses	Source
1956	Jones Robert H	The Williams Directory Co.,

24 MORAINE CIR N

Year	Uses	Source
1956	Rueger Eldon P	The Williams Directory Co.,

25 MORAINE CIR N

Year	Uses	Source
1956	Perkins Delmar D	The Williams Directory Co.,

26 MORAINE CIR N

Year	Uses	Source
1956	Lender Jerre L	The Williams Directory Co.,

27 MORAINE CIR N

Year	Uses	Source
1956	Collins Chas R	The Williams Directory Co.,

28 MORAINE CIR N

Year	Uses	Source
1956	Lindamood Paul R	The Williams Directory Co.,

29 MORAINE CIR N

Year	Uses	Source
1956	Bailey Elmer C	The Williams Directory Co.,

3 MORAINE CIR N

Year	Uses	Source
1956	Sinith Leslie	The Williams Directory Co.,

30 MORAINE CIR N

Year	Uses	Source
1956	Clark L C	The Williams Directory Co.,

31 MORAINE CIR N

Year	Uses	Source
1956	Stapleton Junior E	The Williams Directory Co.,

FINDINGS

32 MORAINE CIR N

Year	Uses	Source
1956	Coffey Justus M	The Williams Directory Co.,

33 MORAINE CIR N

Year	Uses	Source
1956	Seale Harold F	The Williams Directory Co.,

34 MORAINE CIR N

Year	Uses	Source
1956	Walker Geo E	The Williams Directory Co.,

35 MORAINE CIR N

Year	Uses	Source
1956	Fuller Jack D	The Williams Directory Co.,

36 MORAINE CIR N

Year	Uses	Source
1956	Reed Robt R	The Williams Directory Co.,

37 MORAINE CIR N

Year	Uses	Source
1956	Stephens Herstle L	The Williams Directory Co.,

38 MORAINE CIR N

Year	Uses	Source
1956	Howerton Clyde V	The Williams Directory Co.,

39 MORAINE CIR N

Year	Uses	Source
1956	Sexton Chas W	The Williams Directory Co.,

4 MORAINE CIR N

Year	Uses	Source
1956	Martin Woodrow C	The Williams Directory Co.,

40 MORAINE CIR N

Year	Uses	Source
1956	Baker Orville C	The Williams Directory Co.,

41 MORAINE CIR N

Year	Uses	Source
1956	Stone Chas W	The Williams Directory Co.,

FINDINGS

42 MORAINE CIR N

Year	Uses	Source
1956	Castor Kenneth G	The Williams Directory Co.,

43 MORAINE CIR N

Year	Uses	Source
1956	Woodward John	The Williams Directory Co.,

44 MORAINE CIR N

Year	Uses	Source
1956	No Return	The Williams Directory Co.,

45 MORAINE CIR N

Year	Uses	Source
1956	Grimes Wm H	The Williams Directory Co.,

46 MORAINE CIR N

Year	Uses	Source
1956	Bundy Glenn N	The Williams Directory Co.,

47 MORAINE CIR N

Year	Uses	Source
1956	York Chas W	The Williams Directory Co.,

48 MORAINE CIR N

Year	Uses	Source
1956	Tyan Chas E	The Williams Directory Co.,

49 MORAINE CIR N

Year	Uses	Source
1956	Ullery Kenneth	The Williams Directory Co.,

5 MORAINE CIR N

Year	Uses	Source
1956	Stanley Glenn	The Williams Directory Co.,

50 MORAINE CIR N

Year	Uses	Source
1956	Wood John A	The Williams Directory Co.,

51 MORAINE CIR N

Year	Uses	Source
1956	Patrick Ernest	The Williams Directory Co.,

FINDINGS

52 MORAINE CIR N

Year	Uses	Source
1956	Key Haskell B	The Williams Directory Co.,

53 MORAINE CIR N

Year	Uses	Source
1956	Smith Truby L	The Williams Directory Co.,

54 MORAINE CIR N

Year	Uses	Source
1956	Bailey Earl C	The Williams Directory Co.,

55 MORAINE CIR N

Year	Uses	Source
1956	Robbins Wm R	The Williams Directory Co.,

56 MORAINE CIR N

Year	Uses	Source
1956	Locklier Fredk L	The Williams Directory Co.,

57 MORAINE CIR N

Year	Uses	Source
1956	Hamlin F Howard	The Williams Directory Co.,

58 MORAINE CIR N

Year	Uses	Source
1956	Pinson Paul	The Williams Directory Co.,

59 MORAINE CIR N

Year	Uses	Source
1956	Weaver Geo L	The Williams Directory Co.,

6 MORAINE CIR N

Year	Uses	Source
1956	No Return	The Williams Directory Co.,

60 MORAINE CIR N

Year	Uses	Source
1956	Shackleford Elwood W	The Williams Directory Co.,

61 MORAINE CIR N

Year	Uses	Source
1956	Smith Ernest W	The Williams Directory Co.,

FINDINGS

62 MORAINE CIR N

Year	Uses	Source
1956	Call Ralph R	The Williams Directory Co.,

63 MORAINE CIR N

Year	Uses	Source
1956	Nicodemus John S	The Williams Directory Co.,

64 MORAINE CIR N

Year	Uses	Source
1956	Combs Estill E	The Williams Directory Co.,

65 MORAINE CIR N

Year	Uses	Source
1956	Spurling R E	The Williams Directory Co.,

66 MORAINE CIR N

Year	Uses	Source
1956	Combs James P	The Williams Directory Co.,

67 MORAINE CIR N

Year	Uses	Source
1956	Hicks Oscar E	The Williams Directory Co.,

68 MORAINE CIR N

Year	Uses	Source
1956	Bowling Ransom	The Williams Directory Co.,

69 MORAINE CIR N

Year	Uses	Source
1956	Monbeck Edw A jr	The Williams Directory Co.,

7 MORAINE CIR N

Year	Uses	Source
1956	Tinch Hollis P	The Williams Directory Co.,

70 MORAINE CIR N

Year	Uses	Source
1956	Murphy Joseph F	The Williams Directory Co.,

71 MORAINE CIR N

Year	Uses	Source
1956	Wills Bill M	The Williams Directory Co.,

FINDINGS

72 MORAINE CIR N

Year	Uses	Source
1956	Gregory Wm T	The Williams Directory Co.,

73 MORAINE CIR N

Year	Uses	Source
1956	Walker James J	The Williams Directory Co.,

74 MORAINE CIR N

Year	Uses	Source
1956	Vacant	The Williams Directory Co.,

75 MORAINE CIR N

Year	Uses	Source
1956	Crites Austin G	The Williams Directory Co.,

76 MORAINE CIR N

Year	Uses	Source
1956	Gillum Robt L	The Williams Directory Co.,

77 MORAINE CIR N

Year	Uses	Source
1956	Lakins Everett R contr	The Williams Directory Co.,

78 MORAINE CIR N

Year	Uses	Source
1956	Smith Hoyt	The Williams Directory Co.,

79 MORAINE CIR N

Year	Uses	Source
1956	Hall Howard B	The Williams Directory Co.,

8 MORAINE CIR N

Year	Uses	Source
1956	Brunton Bernard C	The Williams Directory Co.,

80 MORAINE CIR N

Year	Uses	Source
1956	Pangburn James S	The Williams Directory Co.,

81 MORAINE CIR N

Year	Uses	Source
1956	Wiggins Ernest C	The Williams Directory Co.,

FINDINGS

82 MORAINE CIR N

Year	Uses	Source
1956	Mc Intosh Jack W	The Williams Directory Co.,

83 MORAINE CIR N

Year	Uses	Source
1956	Barker Isaac L	The Williams Directory Co.,

84 MORAINE CIR N

Year	Uses	Source
1956	Pauley Richd L	The Williams Directory Co.,

85 MORAINE CIR N

Year	Uses	Source
1956	Guy Edw L	The Williams Directory Co.,

86 MORAINE CIR N

Year	Uses	Source
1956	Fraley Luther	The Williams Directory Co.,

87 MORAINE CIR N

Year	Uses	Source
1956	Rollins Bobby	The Williams Directory Co.,

88 MORAINE CIR N

Year	Uses	Source
1956	Cunnigan Sudie	The Williams Directory Co.,

89 MORAINE CIR N

Year	Uses	Source
1956	Abshear Lester R	The Williams Directory Co.,

9 MORAINE CIR N

Year	Uses	Source
1956	Short Booker H	The Williams Directory Co.,

90 MORAINE CIR N

Year	Uses	Source
1956	Dale Ronald D	The Williams Directory Co.,

91 MORAINE CIR N

Year	Uses	Source
1956	Stokes Cecil C	The Williams Directory Co.,

92 MORAINE CIR N

Year	Uses	Source
1956	Haddix Prater L	The Williams Directory Co.,

94 MORAINE CIR N

Year	Uses	Source
1956	Preston Robt Q	The Williams Directory Co.,

96 MORAINE CIR N

Year	Uses	Source
1956	Titlow Harry R	The Williams Directory Co.,

98 MORAINE CIR N

Year	Uses	Source
1956	Turner Carl E	The Williams Directory Co.,

MORAINE CIR S

12 MORAINE CIR S

Year	Uses	Source
1956	Kindred Vernon C	The Williams Directory Co.,

14 MORAINE CIR S

Year	Uses	Source
1956	Fletcher Wm F	The Williams Directory Co.,

16 MORAINE CIR S

Year	Uses	Source
1956	Curtis Richd L	The Williams Directory Co.,

18 MORAINE CIR S

Year	Uses	Source
1956	Wilson Carl B	The Williams Directory Co.,

2 MORAINE CIR S

Year	Uses	Source
1956	Dopel Claude C	The Williams Directory Co.,

20 MORAINE CIR S

Year	Uses	Source
1956	Hensley Robt	The Williams Directory Co.,

FINDINGS

24 MORAINE CIR S

Year	Uses	Source
1956	Brewer Arth jr	The Williams Directory Co.,

26 MORAINE CIR S

Year	Uses	Source
1956	Combs Marlass	The Williams Directory Co.,

28 MORAINE CIR S

Year	Uses	Source
1956	Burchett James P	The Williams Directory Co.,

30 MORAINE CIR S

Year	Uses	Source
1956	Lantis Marvin E	The Williams Directory Co.,

32 MORAINE CIR S

Year	Uses	Source
1956	Harbright J Mark	The Williams Directory Co.,

34 MORAINE CIR S

Year	Uses	Source
1956	Montgomery John W	The Williams Directory Co.,

35 MORAINE CIR S

Year	Uses	Source
1956	Moraine Fields Housing Pro	The Williams Directory Co.,

36 MORAINE CIR S

Year	Uses	Source
1956	Chapman James P	The Williams Directory Co.,

38 MORAINE CIR S

Year	Uses	Source
1956	Collins Johnny F	The Williams Directory Co.,

4 MORAINE CIR S

Year	Uses	Source
1956	Jaeger Ralph	The Williams Directory Co.,

40 MORAINE CIR S

Year	Uses	Source
1956	Beatty Irene C Mrs	The Williams Directory Co.,

FINDINGS

42 MORAINE CIR S

Year	Uses	Source
1956	Pigman Edgar F	The Williams Directory Co.,

44 MORAINE CIR S

Year	Uses	Source
1956	Barnett Chas H	The Williams Directory Co.,

45 MORAINE CIR S

Year	Uses	Source
1956	Williams Coy L	The Williams Directory Co.,

46 MORAINE CIR S

Year	Uses	Source
1956	Hackl Joseph	The Williams Directory Co.,

47 MORAINE CIR S

Year	Uses	Source
1956	Welch Victory L	The Williams Directory Co.,

48 MORAINE CIR S

Year	Uses	Source
1956	Keen Philip	The Williams Directory Co.,

49 MORAINE CIR S

Year	Uses	Source
1956	Werz Patricia Mrs	The Williams Directory Co.,

50 MORAINE CIR S

Year	Uses	Source
1956	Lawson Lee	The Williams Directory Co.,

51 MORAINE CIR S

Year	Uses	Source
1956	Mason James L	The Williams Directory Co.,

52 MORAINE CIR S

Year	Uses	Source
1956	Abbott Geo C	The Williams Directory Co.,

53 MORAINE CIR S

Year	Uses	Source
1956	Long James C	The Williams Directory Co.,

FINDINGS

54 MORAINE CIR S

Year	Uses	Source
1956	Noble Joseph	The Williams Directory Co.,

55 MORAINE CIR S

Year	Uses	Source
1956	Key Earl J	The Williams Directory Co.,

56 MORAINE CIR S

Year	Uses	Source
1956	Wooster Richd E	The Williams Directory Co.,

57 MORAINE CIR S

Year	Uses	Source
1956	Rogers Paul	The Williams Directory Co.,

58 MORAINE CIR S

Year	Uses	Source
1956	Gray Jesse C	The Williams Directory Co.,

59 MORAINE CIR S

Year	Uses	Source
1956	Wright Edw	The Williams Directory Co.,

6 MORAINE CIR S

Year	Uses	Source
1956	Buckner Gec D	The Williams Directory Co.,

60 MORAINE CIR S

Year	Uses	Source
1956	Kidcwell Mi Jired E	The Williams Directory Co.,

61 MORAINE CIR S

Year	Uses	Source
1956	Moore Raymond D	The Williams Directory Co.,

62 MORAINE CIR S

Year	Uses	Source
1956	Morrow John	The Williams Directory Co.,

63 MORAINE CIR S

Year	Uses	Source
1956	Wallingford Milton J	The Williams Directory Co.,

FINDINGS

64 MORAINE CIR S

Year	Uses	Source
1956	G 5 Lensch Robt J	The Williams Directory Co.,
	Pryor Sami	The Williams Directory Co.,

66 MORAINE CIR S

Year	Uses	Source
1956	Melton James I	The Williams Directory Co.,

67 MORAINE CIR S

Year	Uses	Source
1956	Stringer Ernest L	The Williams Directory Co.,

68 MORAINE CIR S

Year	Uses	Source
1956	Roberts Herbert W	The Williams Directory Co.,

69 MORAINE CIR S

Year	Uses	Source
1956	Weaver Flora G Mrs	The Williams Directory Co.,

70 MORAINE CIR S

Year	Uses	Source
1956	Rogeys Otis A	The Williams Directory Co.,

71 MORAINE CIR S

Year	Uses	Source
1956	Mc Eachen James	The Williams Directory Co.,

72 MORAINE CIR S

Year	Uses	Source
1956	Anderson John R	The Williams Directory Co.,

73 MORAINE CIR S

Year	Uses	Source
1956	Mason Arno A	The Williams Directory Co.,

74 MORAINE CIR S

Year	Uses	Source
1956	Price Jack D	The Williams Directory Co.,

FINDINGS

75 MORAINE CIR S

Year	Uses	Source
1956	Curtis Edmond L	The Williams Directory Co.,

76 MORAINE CIR S

Year	Uses	Source
1956	Owens John F	The Williams Directory Co.,

77 MORAINE CIR S

Year	Uses	Source
1956	Davidson Dale H	The Williams Directory Co.,

78 MORAINE CIR S

Year	Uses	Source
1956	Parrish Lep D	The Williams Directory Co.,

79 MORAINE CIR S

Year	Uses	Source
1956	Hfelton Wm H	The Williams Directory Co.,

8 MORAINE CIR S

Year	Uses	Source
1956	I OHammons Vestal D	The Williams Directory Co.,
	Fletcher Chas R	The Williams Directory Co.,

80 MORAINE CIR S

Year	Uses	Source
1956	Bl Mercier John R	The Williams Directory Co.,
	Turner Jesse L	The Williams Directory Co.,

82 MORAINE CIR S

Year	Uses	Source
1956	Brewster James R	The Williams Directory Co.,

83 MORAINE CIR S

Year	Uses	Source
1956	Jones Edw L	The Williams Directory Co.,

85 MORAINE CIR S

Year	Uses	Source
1956	Bybee Royce L	The Williams Directory Co.,

FINDINGS

86 MORAINE CIR S

Year	Uses	Source
1956	Butler Shirlix	The Williams Directory Co.,

87 MORAINE CIR S

Year	Uses	Source
1956	Counts Hazel G	The Williams Directory Co.,

88 MORAINE CIR S

Year	Uses	Source
1956	Spiliman James H	The Williams Directory Co.,

89 MORAINE CIR S

Year	Uses	Source
1956	Carney Francis H	The Williams Directory Co.,

90 MORAINE CIR S

Year	Uses	Source
1956	Wise Edmund	The Williams Directory Co.,

91 MORAINE CIR S

Year	Uses	Source
1956	Buckner Morrison H	The Williams Directory Co.,

92 MORAINE CIR S

Year	Uses	Source
1956	Gillum Chas	The Williams Directory Co.,

W STROOP RD

2284 W STROOP RD

Year	Uses	Source
1961	Leatherman Jas A	The Williams Directory Co.,
1956	Leathernman James A	The Williams Directory Co.,

2300 W STROOP RD

Year	Uses	Source
2003	XXXX	HANIES AND COMPANY

2345 W STROOP RD

Year	Uses	Source
2003	WORTH WAITING FOR	HANIES AND COMPANY

FINDINGS

Year	Uses	Source
2003	CENTER	HANIES AND COMPANY
	CRISIS PREGNANCY	HANIES AND COMPANY
	VLY WMNS	HANIES AND COMPANY
	ABORTION ADVICE 4 MMI	HANIES AND COMPANY
	KETTERINGCS	HANIES AND COMPANY
	KETTERING CITY	HANIES AND COMPANY
	CENTER 1 MIAMI VLY WOMENS	HANIES AND COMPANY

2349 W STROOP RD

Year	Uses	Source
2003	XXXX	HANIES AND COMPANY

2400 W STROOP RD

Year	Uses	Source
2003	MORAINE CITY	HANIES AND COMPANY
	KETTERINGCSD	HANIES AND COMPANY
	XXXX	HANIES AND COMPANY
1961	W osteo	The Williams Directory Co.,
	Crouse Melvin D	The Williams Directory Co.,
	osteo	The Williams Directory Co.,
	Shade Henry G	The Williams Directory Co.,
	osteo	The Williams Directory Co.,
	dentist	The Williams Directory Co.,
	Steineeker Henry	The Williams Directory Co.,
	Striebel John A	The Williams Directory Co.,
1956	sects	The Williams Directory Co.,
	Striebel John A dentist	The Williams Directory Co.,

2689 W STROOP RD

Year	Uses	Source
2003	BLEDSOEBurli C	HANIES AND COMPANY

FINDINGS

TARGET PROPERTY: ADDRESS NOT LISTED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not listed in the research source.

Address Researched	Address Not Listed in Research Source
2601 W Stroop Road	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922

ADJOINING PROPERTY: ADDRESSES NOT LISTED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not listed in research source.

Address Researched	Address Not Listed in Research Source
10 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
11 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
12 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
12 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
13 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
14 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
14 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
15 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
16 MORAINE AVE	2003, 1996, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
16 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
16 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
17 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
18 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
18 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
19 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
2 MORAINE AVE	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1956, 1948, 1938, 1933, 1927, 1922

FINDINGS

Address Researched	Address Not Listed in Research Source
2 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
2 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
20 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
20 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
21 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
22 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
2284 W STROOP RD	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
23 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
2300 W STROOP RD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
2345 W STROOP RD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
2349 W STROOP RD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
24 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
24 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
2400 W STROOP RD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
25 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
26 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
26 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
2689 W STROOP RD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
27 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
28 MORAINE AVE	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1938, 1933, 1927, 1922
28 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
28 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
29 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3 MORAINE AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922

FINDINGS

Address Researched	Address Not Listed in Research Source
3 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
30 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
30 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
31 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
32 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
32 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
33 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
34 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
34 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
35 MORAINE CIR	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
35 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
35 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
36 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
36 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
37 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
38 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
38 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
39 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3901 KETTERING BLVD	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3908 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3909 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3912 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3913 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3916 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922

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Address Researched	Address Not Listed in Research Source
3917 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3920 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3921 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3924 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3925 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3928 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3929 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3932 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3933 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3936 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3937 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3940 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3940 KETTERING BLVD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3941 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3942 KETTERING BLVD	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3944 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3944 KETTERING BLVD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3945 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3946 KETTERING BLVD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
3950 KETTERING BLVD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
40 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
40 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922

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Address Researched	Address Not Listed in Research Source
4000 FULTON AVE	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4001 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4002 KETTERING BLVD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4004 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4005 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4009 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4012 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4013 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4016 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4017 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4018 KETTERING BLVD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4020 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4021 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4025 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4028 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4029 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4032 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4032 KETTERING BLVD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4033 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4036 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4037 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4040 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4041 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4044 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922

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Address Researched	Address Not Listed in Research Source
4045 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4048 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4049 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4053 FULTON AVE	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4060 KETTERING BLVD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4099 KETTERING BLVD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
41 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
4100 KETTERING BLVD	1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
42 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
42 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
43 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
44 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
44 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
45 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
45 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
46 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
46 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
47 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
47 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
48 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
48 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
49 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
49 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
5 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922

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Address Researched	Address Not Listed in Research Source
50 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
50 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
51 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
51 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
52 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
52 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
53 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
53 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
54 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
54 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
55 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
55 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
56 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
56 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
57 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
57 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
58 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
58 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
59 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
59 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
6 MORAINE AVE	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1962, 1961, 1958, 1956, 1953, 1948, 1943, 1938, 1933, 1927, 1922
6 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
6 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
60 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922

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Address Researched	Address Not Listed in Research Source
60 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
61 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
61 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
62 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
62 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
63 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
63 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
64 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
64 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
65 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
66 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
66 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
67 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
67 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
68 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
68 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
69 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
69 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
7 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
70 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
70 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
71 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
71 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
72 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922

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Address Researched	Address Not Listed in Research Source
72 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
73 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
73 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
74 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
74 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
75 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
75 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
76 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
76 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
77 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
77 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
78 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
78 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
79 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
79 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
8 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
8 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
80 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
80 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
81 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
82 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
82 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
83 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
83 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922

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Address Researched	Address Not Listed in Research Source
84 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
85 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
85 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
86 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
86 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
87 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
87 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
88 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
88 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
89 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
89 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
9 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
90 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
90 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
91 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
91 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
92 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
92 MORAINE CIR S	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
94 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
96 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922
98 MORAINE CIR N	2003, 1996, 1992, 1988, 1983, 1978, 1973, 1968, 1962, 1961, 1958, 1953, 1948, 1943, 1938, 1933, 1927, 1922

Topographic Maps

MLC 1202 GM Moraine Assembly Plant
2601 Stroop Road
Dayton, OH 45439

Inquiry Number: 2648305.4
December 01, 2009

The EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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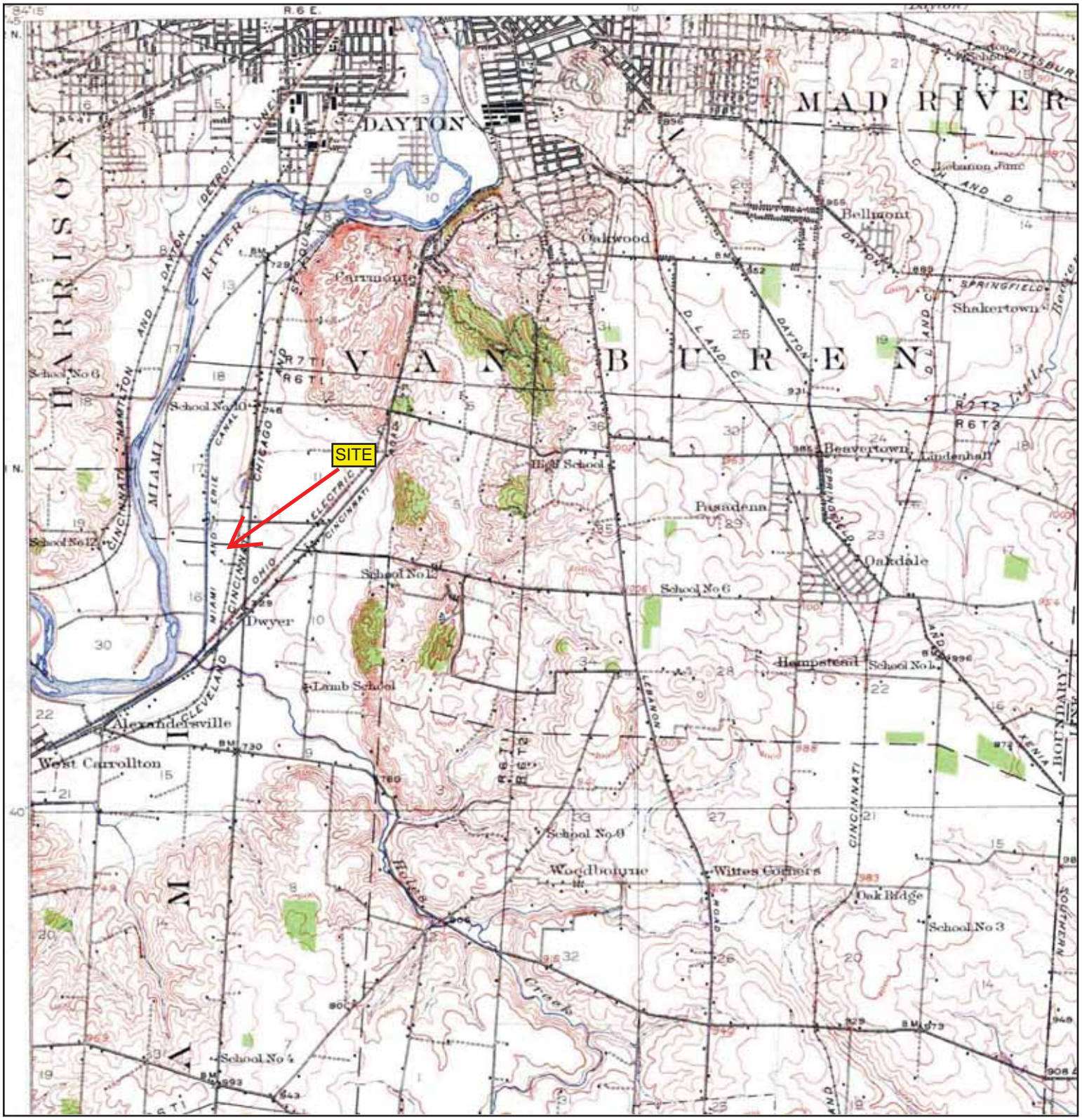
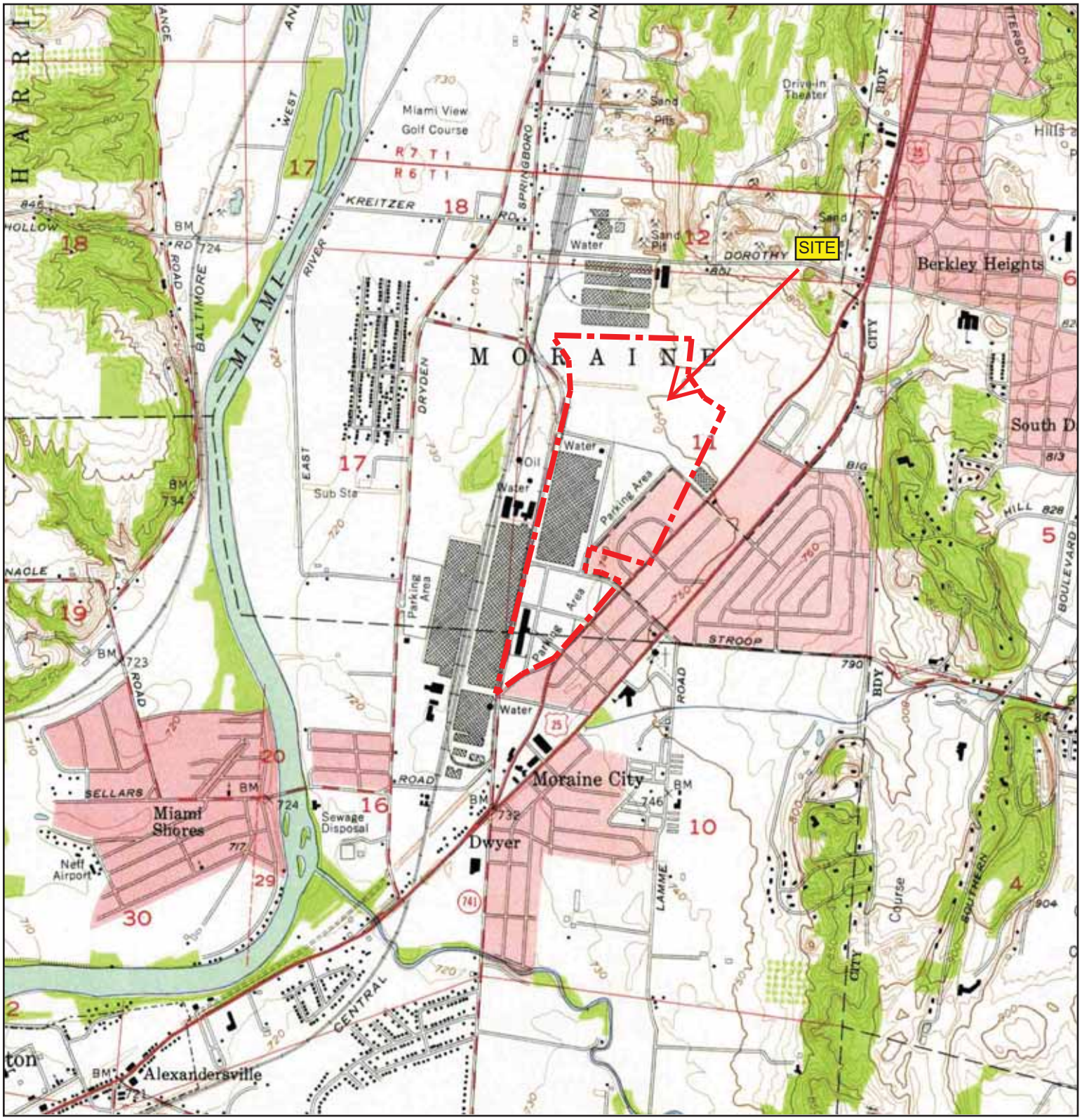
Historical Topographic Map



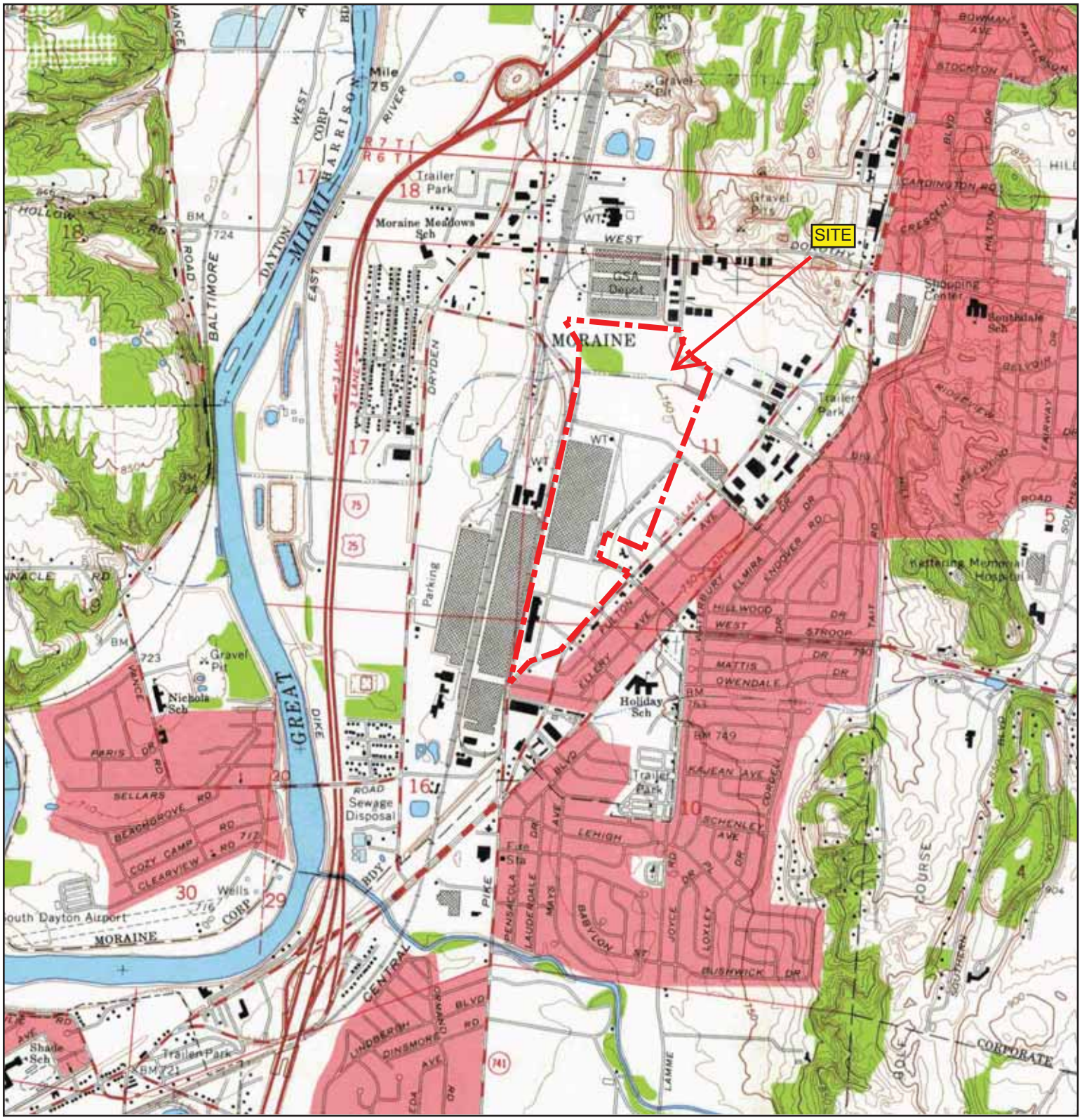
N	TARGET QUAD NAME: WAYNESVILLE MAP YEAR: 1915 SERIES: 15 SCALE: 1:62500	SITE NAME: MLC 1202 GM Moraine Assembly ADDRESS: 2601 Stroop Road Dayton, OH 45439 LAT/LONG: 39.6975 / 84.2182	CLIENT: LFR Inc. CONTACT: Todd Aebie INQUIRY#: 2648305.4 RESEARCH DATE: 12/01/2009

Historical Topographic Map



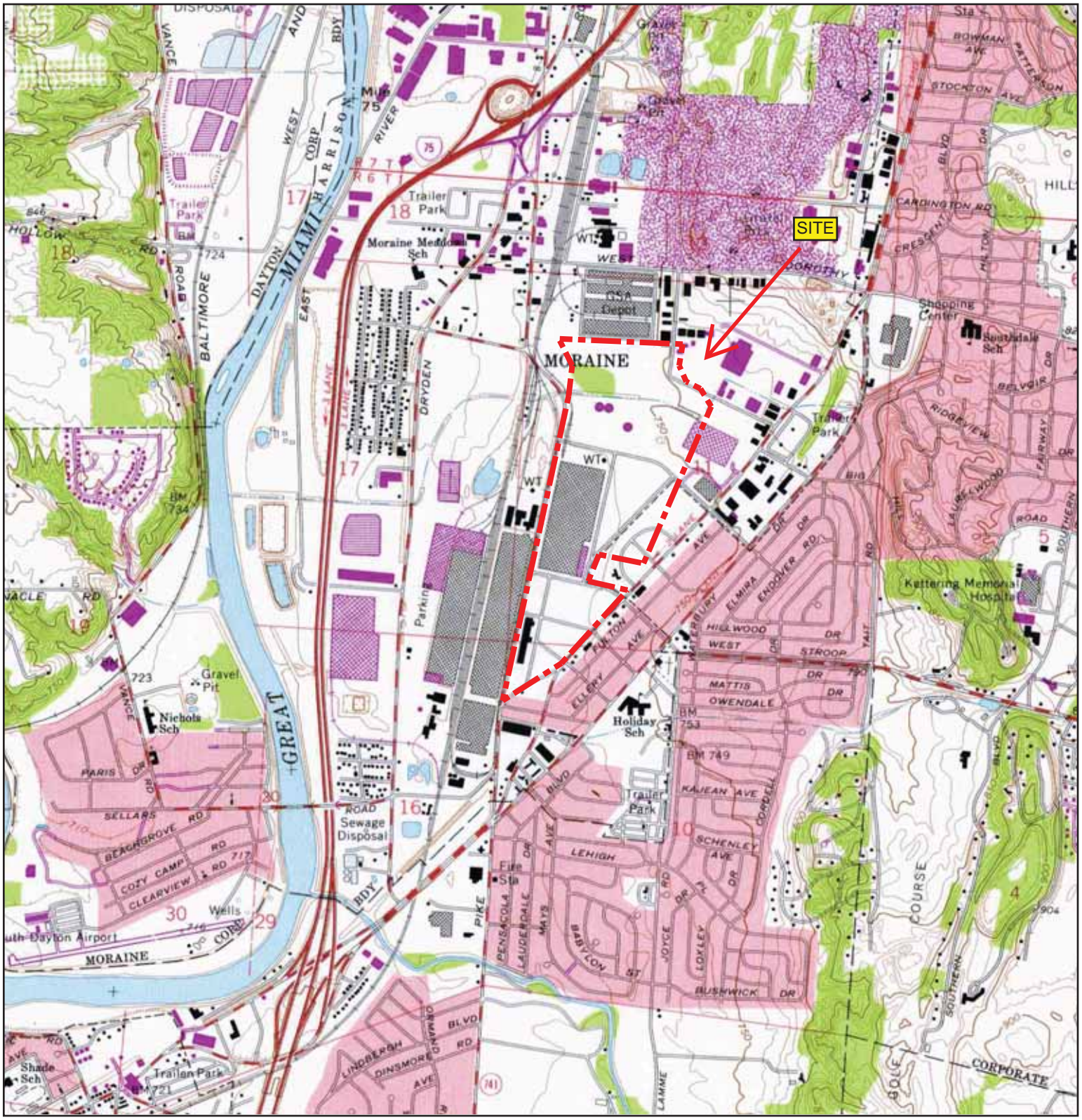
N	TARGET QUAD NAME: DAYTON SOUTH MAP YEAR: 1955 SERIES: 7.5 SCALE: 1:24000	SITE NAME: MLC 1202 GM Moraine Assembly ADDRESS: 2601 Stroop Road Dayton, OH 45439 LAT/LONG: 39.6975 / 84.2182	CLIENT: LFR Inc. CONTACT: Todd Aebie INQUIRY#: 2648305.4 RESEARCH DATE: 12/01/2009

Historical Topographic Map



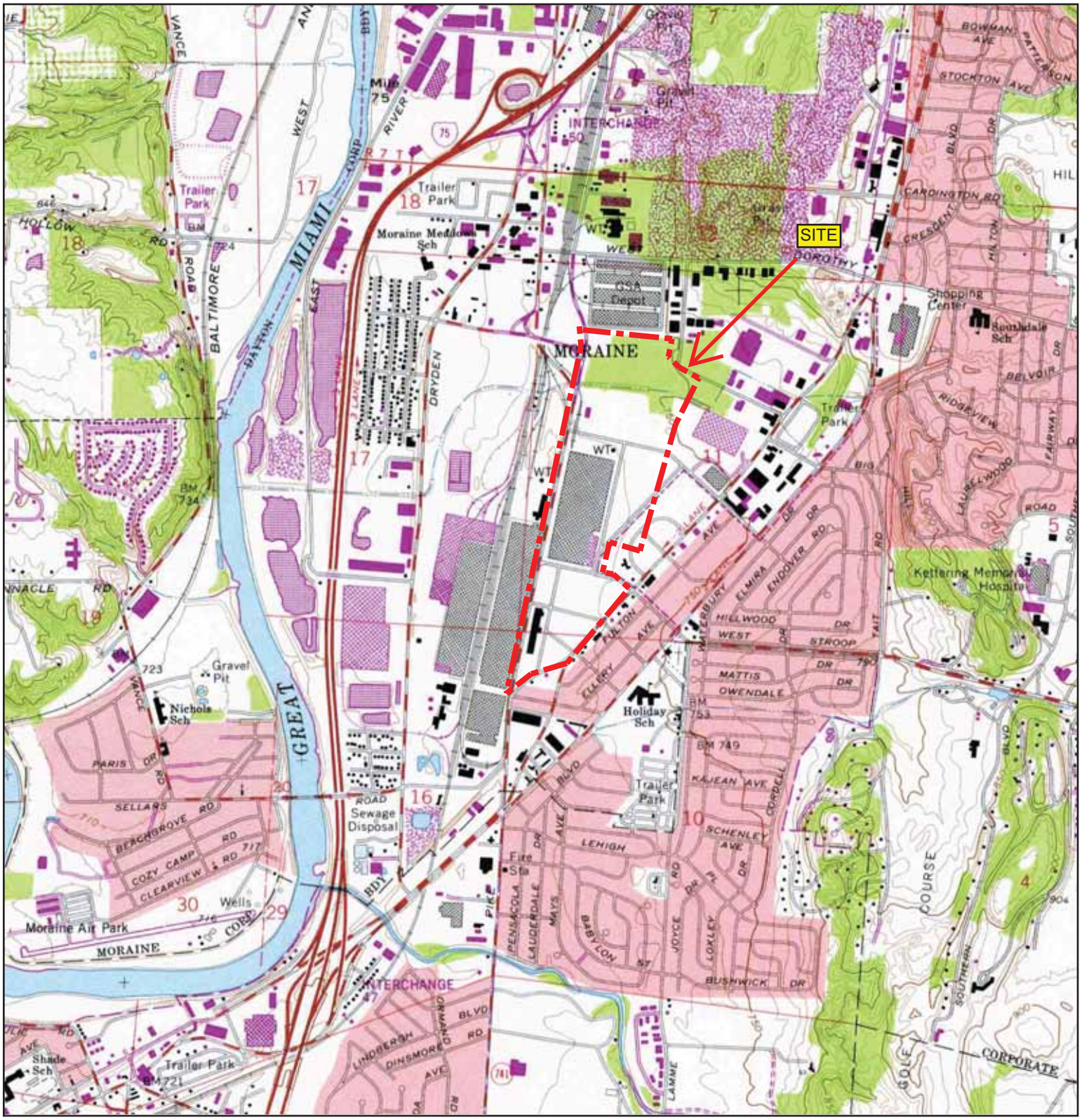
N	TARGET QUAD NAME: DAYTON SOUTH MAP YEAR: 1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: MLC 1202 GM Moraine Assembly ADDRESS: 2601 Stroop Road Dayton, OH 45439 LAT/LONG: 39.6975 / 84.2182	CLIENT: LFR Inc. CONTACT: Todd Aebie INQUIRY#: 2648305.4 RESEARCH DATE: 12/01/2009

Historical Topographic Map



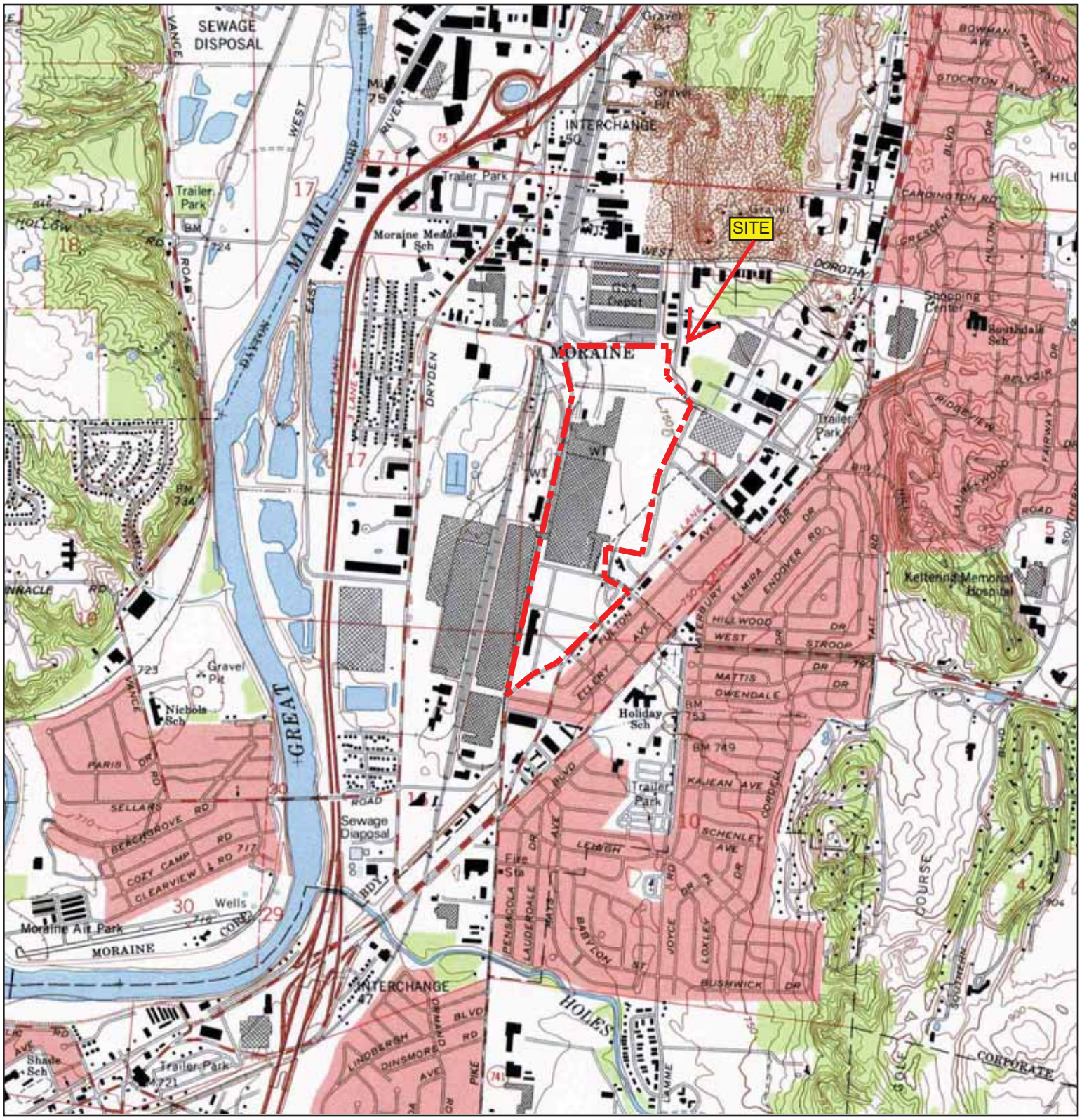
N	TARGET QUAD NAME: DAYTON SOUTH MAP YEAR: 1974 PHOTOREVISED FROM:1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: MLC 1202 GM Moraine Assembly ADDRESS: 2601 Stroop Road Dayton, OH 45439 LAT/LONG: 39.6975 / 84.2182	CLIENT: LFR Inc. CONTACT: Todd Aebie INQUIRY#: 2648305.4 RESEARCH DATE: 12/01/2009

Historical Topographic Map



N	TARGET QUAD NAME: DAYTON SOUTH MAP YEAR: 1981 PHOTOREVISED FROM:1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: MLC 1202 GM Moraine Assembly ADDRESS: 2601 Stroop Road Dayton, OH 45439 LAT/LONG: 39.6975 / 84.2182	CLIENT: LFR Inc. CONTACT: Todd Aebie INQUIRY#: 2648305.4 RESEARCH DATE: 12/01/2009

Historical Topographic Map



N	TARGET QUAD NAME: DAYTON SOUTH MAP YEAR: 1991 REVISED FROM:1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: MLC 1202 GM Moraine Assembly ADDRESS: 2601 Stroop Road Dayton, OH 45439 LAT/LONG: 39.6975 / 84.2182	CLIENT: LFR Inc. CONTACT: Todd Aebie INQUIRY#: 2648305.4 RESEARCH DATE: 12/01/2009

APPENDIX C

EDR Radius Map Report

MLC 1202 GM Moraine Assembly Plant
2601 Stroop Road
Dayton, OH 45439

Inquiry Number: 2648305.2s
December 02, 2009

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2601 STROOP ROAD
DAYTON, OH 45439

COORDINATES

Latitude (North):	39.697500 - 39˚ 41' 51.0''
Longitude (West):	84.218200 - 84˚ 13' 5.5''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	738521.8
UTM Y (Meters):	4397674.0
Elevation:	729 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	39084-F2 DAYTON SOUTH, OH
Most Recent Revision:	1991

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2005, 2006
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System

Federal RCRA generators list

RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS ..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Licensed Solid Waste Facilities

State and tribal leaking storage tank lists

UNREG LTANKS ..... Ohio Leaking UST File
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

ENG CONTROLS ..... Sites with Engineering Controls
INST CONTROL ..... Sites with Institutional Engineering Controls
HIST INST CONTROLS ..... Institutional Controls Database
HIST ENG CONTROLS ..... Operation & Maintenance Agreements Database

State and tribal voluntary cleanup sites

VCP ..... Voluntary Action Program Sites
INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ..... Ohio Brownfield Inventory

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
HIST LF ..... Old Solid Waste Landfill
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
CDL ..... Clandestine Drug Lab Locations
US HIST CDL ..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

ARCHIVE UST ..... Archived Underground Storage Tank Sites

Local Land Records

LIENS 2 ..... CERCLA Lien Information
LUCIS ..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
SPILLS ..... Emergency Response Database

Other Ascertainable Records

DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
MINES ..... Mines Master Index File
TRIS ..... Toxic Chemical Release Inventory System
TSCA ..... Toxic Substances Control Act
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ..... Section 7 Tracking Systems
ICIS ..... Integrated Compliance Information System
PADS ..... PCB Activity Database System
MLTS ..... Material Licensing Tracking System
RADINFO ..... Radiation Information Database
FINDS ..... Facility Index System/Facility Registry System

EXECUTIVE SUMMARY

RAATS..... RCRA Administrative Action Tracking System
TOWNGAS..... DERR Towngas Database
UIC..... Underground Injection Wells Listing
DRYCLEANERS..... Drycleaner Facility Listing
NPDES..... NPDES General Permit List
AIRS..... Title V Permits Listing
USD..... Urban Setting Designation Sites
HIST USD..... Urban Setting Designations Database
INDIAN RESERV..... Indian Reservations
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER..... PCB Transformer Registration Database
COAL ASH..... Coal Ash Disposal Site Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations.. EDR Proprietary Historic Gas Stations
EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 06/23/2009 has revealed that there are 2 CERC-NFRAP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GENERAL MOTORS CORP POWERTRAIN	***4100 SPRINGBORO ROAD***	***SSW 0 - 1/8 (0.120 mi.)***	***B12***	***50***

Lower Elevation	Address	Direction / Distance	Map ID	Page
GMC MANUFACTURING MORAINE UTIL	*3600 DRYDEN ROAD*	*W 1/4 - 1/2 (0.392 mi.)*	*C15*	*84*

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 09/15/2009 has revealed that there are 4 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GENERAL MOTORS MORAINE ASSEMBL	*2601 WEST STROOP ROAD*	*0 - 1/8 (0.000 mi.)*	*A3*	*8*
GENERAL MOTORS CORP POWERTRAIN	*4100 SPRINGBORO ROAD*	*SSW 0 - 1/8 (0.120 mi.)*	*B12*	*50*
ASHLAND DISTRIBUTION COMPANY	*2854 SPRINGBORO PIKE*	*N 1/2 - 1 (0.981 mi.)*	*20*	*126*

Lower Elevation	Address	Direction / Distance	Map ID	Page
GMC MANUFACTURING MORAINE UTIL	*3600 DRYDEN ROAD*	*W 1/4 - 1/2 (0.392 mi.)*	*C15*	*84*

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 11/12/2008 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GMC MANUFACTURING MORAINE UTIL	*3600 DRYDEN ROAD*	*W 1/4 - 1/2 (0.392 mi.)*	*C15*	*84*

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 11/12/2008 has revealed that there are 2

RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GENERAL MOTORS MORAINE ASSEMBL	***2601 WEST STROOP ROAD***	***0 - 1/8 (0.000 mi.)***	***A3***	***8***
GENERAL MOTORS CORP POWERTRAIN	***4100 SPRINGBORO ROAD***	***SSW 0 - 1/8 (0.120 mi.)***	***B12***	***50***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 11/12/2008 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HIPPLE CANCER RESEARCH CENTER	***4100 S KETTERING BLVD***	***SE 1/8 - 1/4 (0.227 mi.)***	***13***	***78***

State- and tribal - equivalent CERCLIS

DERR: The DERR database is an index of sites for which Ohio EPA maintains files. It includes sites with known or suspected contamination, but a site's inclusion in the database does not mean that it is now or has ever been contaminated.

A review of the DERR list, as provided by EDR, and dated 09/08/2009 has revealed that there are 4 DERR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GMC POWER TRAIN DIV ENGINE PLT	4100 SPRINGBORO PIKE	SSW 0 - 1/8 (0.120 mi.)	B8	47
SOUTH SANITARY LANDFILL Activity: SA	2500 W DOROTHY LN	N 1/2 - 1 (0.858 mi.)	19	126
ASHLAND DISTRIBUTION COMPANY Activity: SA	***2854 SPRINGBORO PIKE***	***N 1/2 - 1 (0.981 mi.)***	***20***	***126***

Lower Elevation	Address	Direction / Distance	Map ID	Page
GMC HARRISON RADIATOR DIV S PL Activity: SA	***3600 DRYDEN RD***	***W 1/4 - 1/2 (0.392 mi.)***	***C14***	***82***

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Commerce Division of State Fire Marshal's List of Reported Petroleum Underground Storage Tank Release Incidents.

A review of the LUST list, as provided by EDR, and dated 09/09/2009 has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLIED AUTOMOTIVE GROUP	2601 W STROOP RD	0 - 1/8 (0.000 mi.)	A1	7
FR Status: Inactive FR Status: DIS: a release is disproved				
Facility Status: Inactive FR Status: DIS: a release is disproved				
GM MORAINE ENGINE PLANT	4100 SPRINGBORO RD	SSW 0 - 1/8 (0.120 mi.)	B9	47
FR Status: Inactive FR Status: NFA: No Further Action				
Facility Status: Inactive FR Status: NFA: No Further Action				
SHELL OIL CO. #23440411124	3985 S DIXIE	ESE 1/4 - 1/2 (0.411 mi.)	16	125
FR Status: Inactive FR Status: NFA: No Further Action				
FR Status: Inactive FR Status: NFA: No Further Action				
Facility Status: Inactive FR Status: NFA: No Further Action				
Facility Status: Inactive FR Status: NFA: No Further Action				
UNITED DAIRY FARMERS #217	1901 W STROOP	ESE 1/4 - 1/2 (0.449 mi.)	17	125
FR Status: Inactive FR Status: NFA: No Further Action				
FR Status: Inactive FR Status: NFA: No Further Action				
Facility Status: Inactive FR Status: NFA: No Further Action				
Facility Status: Inactive FR Status: NFA: No Further Action				
ORPHAN TANK	4501 S DIXIE DR	SSE 1/4 - 1/2 (0.500 mi.)	18	126
FR Status: Active FR Status: RPT: a possible incident is reported				
Facility Status: Active FR Status: RPT: a possible incident is reported				

Lower Elevation	Address	Direction / Distance	Map ID	Page
GMC HARRISON RADIATOR DIV S PL	***3600 DRYDEN RD***	***W 1/4 - 1/2 (0.392 mi.)***	***C14***	***82***
FR Status: Active FR Status: CAP: Corrective Actions in Progress				
FR Status: Active FR Status: NFA: No Further Action				
**Additional key fields are available in the Map Findings section*				
Facility Status: Active FR Status: CAP: Corrective Actions in Progress				
Facility Status: Active FR Status: NFA: No Further Action				
**Additional key fields are available in the Map Findings section*				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Commerce Division of State Fire Marshal's Facility File.

A review of the UST list, as provided by EDR, and dated 09/17/2009 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLIED AUTOMOTIVE GROUP	2601 W STROOP RD	0 - 1/8 (0.000 mi.)	A2	7
GM MORAINE ENGINE PLANT	4100 SPRINGBORO RD	SSW 0 - 1/8 (0.120 mi.)	B10	48
MORAINE ENGINE-POWERTRAIN-GMC	4100 SPRINGBORO	SSW 0 - 1/8 (0.120 mi.)	B11	48

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 11/12/2008 has revealed that there is 1 RCRA-NonGen site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LABORATORY CORPORATION	*2345 W STOOP RD*	*ESE 0 - 1/8 (0.104 mi.)*	*7*	*44*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
SWARTZ MULCH	LF
JOHN P. RAISCH, INC. HEMPLE ROAD C	FINDS,LF
SOUTH DAYTON LDFL. AKA MORAINE REC	HIST LF
BROWNIES TRANSPORATATION	UST
AUTO SOURCE	RCRA-SQG,FINDS
SUNOCO SERVICE STATION	FINDS,RCRA-NLR
KETTERING RADIATOR	RCRA-CESQG
MORAINE MEADOWS ELEMENTARY SCHOOL	FINDS
GENERAL MOTORS / DELCO MORAINE	SPILLS
DAYTON WATER PLANT	SPILLS
GENERAL MOTORS / DELCO MORAINE	SPILLS
GENERAL MOTORS / DELCO MORAINE	SPILLS
GENERAL MOTORS / DELCO MORAINE	SPILLS
GENERAL MOTORS / DELCO MORAINE	SPILLS
GENERAL MOTORS / DELCO MORAINE	SPILLS
DAYTON WATER PLANT	SPILLS
GENERAL MOTORS / DELCO MORAINE	SPILLS
DAYTON LIME PLANT	SPILLS
GENERAL MOTORS / DELCO MORAINE	SPILLS
MORAINE MATERIALS CO.	MINES

OVERVIEW MAP - 2648305.2s

0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: MLC 1202 GM Moraine Assembly Plant	CLIENT: LFR Inc.
ADDRESS: 2601 Stroop Road Dayton OH 45439	CONTACT: Todd Aebie INQUIRY #: 2648305.2s
LAT/LONG: 39.6975 / 84.2182	DATE: December 02, 2009 2:01 pm

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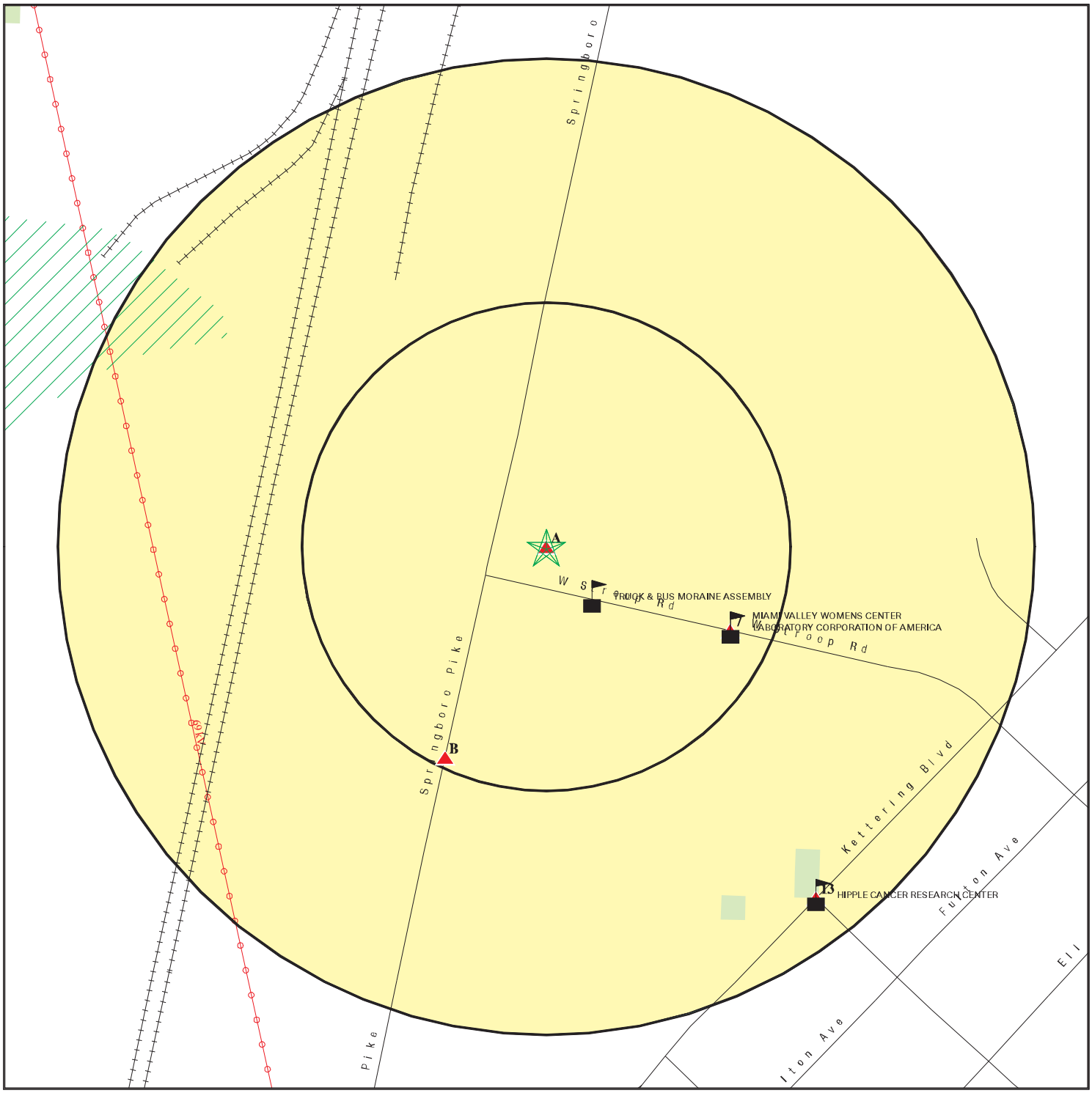
DETAIL MAP - 2648305.2s



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
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LAT/LONG: 39.6975 / 84.2182	DATE: December 02, 2009 2:02 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		0.500	1	0	1	NR	NR	2
Federal RCRA CORRACTS facilities list								
CORRACTS		1.000	2	0	1	1	NR	4
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		0.500	0	0	1	NR	NR	1
Federal RCRA generators list								
RCRA-LQG		0.250	2	0	NR	NR	NR	2
RCRA-SQG		0.250	0	1	NR	NR	NR	1
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS		N/A	N/A	N/A	N/A	N/A	N/A	N/A
DERR		1.000	1	0	1	2	NR	4
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST		0.500	3	0	4	NR	NR	7
UNREG LTANKS		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST		0.250	3	0	NR	NR	NR	3

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN UST		0.250	0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
HIST INST CONTROLS		0.500	0	0	0	NR	NR	0
HIST ENG CONTROLS		0.500	0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP		0.500	0	0	0	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
ARCHIVE UST		0.250	0	0	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	1	0	NR	NR	NR	1
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TOWNGAS		1.000	0	0	0	0	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
USD		0.500	0	0	0	NR	NR	0
HIST USD		0.500	0	0	0	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

A1 **ALLIED AUTOMOTIVE GROUP** **LUST** **S104778230**
2601 W STROOP RD **N/A**
< 1/8 **MORAINE, OH 45401**
1 ft.

Site 1 of 6 in cluster A

Relative:
Equal

Actual:
729 ft.

LUST:
Release Number: 57000790-N00001
Release Date: 1/31/1991
Facility Status: Inactive
LTF Status: 1 SUS/CON from regulated UST
FR Status: DIS: a release is disproved
Priority: 1
Review Date: 11/13/2003

A2 **ALLIED AUTOMOTIVE GROUP** **UST** **U004083975**
2601 W STROOP RD **N/A**
< 1/8 **MORAINE, OH 45401**
1 ft.

Site 2 of 6 in cluster A

Relative:
Equal

Actual:
729 ft.

Facility:
Facility ID: 57000790

Inspection:
Facility Id: 57000790
Inspection Id: 10/6/98
Code: 203
Permit Number: P00001
Inspection Type: Final

Permit:
Facility Id: 57000790
Permit Id: P00001
Permit Status: Expired
Issued Date: 12/19/1998
Lfd Permit Id: Not reported

UST:
Tank ID: T00001
Tank Status: Not reported
Tank Type: Not reported
Capacity: Not reported
Content: Unknown
CAS #: Not reported
Regulated: Yes
Overfill Device Installed: No
Spill Device Installed: No
AST/UST: UST
Installation Date: Not reported
Date Removed: Not reported
Date Last Used: Not reported
Date Abandoned/Closed: Not reported
Corrosion Protection Tank: Not reported
Release Detection on Tank: Not reported
Corrosion Protection Piping: Not reported
Piping Material: Not reported
Piping Type: Not reported
Release Detection on Piping: Not reported

A3 **GENERAL MOTORS MORAINE ASSEMBLY** **CORRACTS** **1000213107**
2601 WEST STROOP ROAD **RCRA-LQG** **45439GNRLM26**
< 1/8 **MORAINE, OH 45439** **TRIS**
1 ft. **FINDS**
Site 3 of 6 in cluster A **MANIFEST**

Relative:
Equal

Actual:
729 ft.

CORRACTS:

EPA ID: OHD041063074
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2/25/2004
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 336112
Light Truck and Utility Vehicle Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD041063074
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/2/2001
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 336112
Light Truck and Utility Vehicle Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD041063074
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/20/1997
Action: CA100 - RFI Imposition
NAICS Code(s): 336112
Light Truck and Utility Vehicle Manufacturing
Original schedule date: 03/20/1997
Schedule end date: Not reported

EPA ID: OHD041063074
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/23/2001
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 336112
Light Truck and Utility Vehicle Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD041063074
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 8/30/1991
Action: CA050 - RFA Completed
NAICS Code(s): 336112
Light Truck and Utility Vehicle Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

EPA ID: OHD041063074
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 8/30/1991
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 336112
Light Truck and Utility Vehicle Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD041063074
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 9/26/2000
Action: CA200 - RFI Approved
NAICS Code(s): 336112
Light Truck and Utility Vehicle Manufacturing
Original schedule date: 05/30/2000
Schedule end date: Not reported

EPA ID: OHD041063074
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 9/30/1994
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 336112
Light Truck and Utility Vehicle Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD041063074
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 12/29/2000
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 336112
Light Truck and Utility Vehicle Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD041063074
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 12/31/1991
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336112
Light Truck and Utility Vehicle Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD041063074
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 336112
Light Truck and Utility Vehicle Manufacturing
Original schedule date: 12/31/2001
Schedule end date: 12/31/2001

RCRA-LQG:
Date form received by agency: 02/26/2007
Facility name: GENERAL MOTORS MORAINE ASSEMBLY
Facility address: 2601 W STROOP RD
MORAINE, OH 454391929
EPA ID: OHD041063074
Contact: HOLLEY J HANES
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (937) 455-2930
Contact email: holley.hanes@gm.com
EPA Region: 05
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: GENERAL MOTORS-MORAINE ASSEMBLY
Owner/operator address: 2601 W. STROOP RD.
MORAINE, OH 45439
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/18/1980
Owner/Op end date: Not reported

Owner/operator name: GENERAL MOTORS-MORAINE ASSEMBLY
Owner/operator address: 2601 W. STROOP RD.
MORAINE, OH 45439
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/18/1980
Owner/Op end date: Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Universal Waste Summary:

Waste type:	Batteries
Accumulated waste on-site:	No
Generated waste on-site:	Yes
Waste type:	Lamps
Accumulated waste on-site:	Yes
Generated waste on-site:	Yes
Waste type:	Pesticides
Accumulated waste on-site:	No
Generated waste on-site:	No
Waste type:	Thermostats
Accumulated waste on-site:	Yes
Generated waste on-site:	Yes

Historical Generators:

Date form received by agency:	11/17/2006
Facility name:	GENERAL MOTORS MORAINE ASSEMBLY
Site name:	GENERAL MOTORS - MORAINE ASSEMBLY
Classification:	Large Quantity Generator
Date form received by agency:	02/28/2006
Facility name:	GENERAL MOTORS MORAINE ASSEMBLY
Site name:	GENERAL MOTORS - MORAINE ASSEMBLY
Classification:	Large Quantity Generator
Date form received by agency:	02/25/2005
Facility name:	GENERAL MOTORS MORAINE ASSEMBLY
Classification:	Large Quantity Generator
Date form received by agency:	02/26/2004
Facility name:	GENERAL MOTORS MORAINE ASSEMBLY
Classification:	Large Quantity Generator
Date form received by agency:	02/28/2003
Facility name:	GENERAL MOTORS MORAINE ASSEMBLY

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Site name: GENERAL MOTORS - MORAINE ASSEMBLY
Classification: Large Quantity Generator

Date form received by agency: 06/28/2002
Facility name: GENERAL MOTORS MORAINE ASSEMBLY
Site name: GENERAL MOTORS - MORAINE ASSEMBLY
Classification: Large Quantity Generator

Date form received by agency: 02/29/2000
Facility name: GENERAL MOTORS MORAINE ASSEMBLY
Site name: GM TRUCK GROUP MORAINE ASSEMBLY
Classification: Large Quantity Generator

Date form received by agency: 02/25/1998
Facility name: GENERAL MOTORS MORAINE ASSEMBLY
Site name: GM TRUCK GROUP MORAINE ASSEMBLY
Classification: Large Quantity Generator

Date form received by agency: 02/26/1996
Facility name: GENERAL MOTORS MORAINE ASSEMBLY
Site name: GM TRUCK GROUP MORAINE ASSEMBLY
Classification: Large Quantity Generator

Date form received by agency: 04/08/1994
Facility name: GENERAL MOTORS MORAINE ASSEMBLY
Site name: GM NORTH AMERICAN TRUCK PLATFORMS MORAIN
Classification: Large Quantity Generator

Date form received by agency: 02/25/1994
Facility name: GENERAL MOTORS MORAINE ASSEMBLY
Site name: GM NATP MORAINE ASSEMBLY
Classification: Large Quantity Generator

Date form received by agency: 03/01/1993
Facility name: GENERAL MOTORS MORAINE ASSEMBLY
Site name: GM NORTH AMERICAN TRUCK PLATFORMS MORAIN
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Facility name: GENERAL MOTORS MORAINE ASSEMBLY
Site name: GM TRUCK & BUS MORAINE ASSEMBLY PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/12/1990
Facility name: GENERAL MOTORS MORAINE ASSEMBLY
Site name: GM TRUCK & BUS MORAINE ASSEMBLY PLANT
Classification: Large Quantity Generator

Date form received by agency: 11/18/1980
Facility name: GENERAL MOTORS MORAINE ASSEMBLY
Site name: GM NORTH AMERICAN TRUCK PLATFORMS MORAIN
Classification: Not a generator, verified

Biennial Reports:

Last Biennial Reporting Year: 2007

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 680253

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 521

Waste code: D008
Waste name: LEAD
Amount (Lbs): 521

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 1775

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE
Amount (Lbs): 521

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 2610

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 521

Waste code: D040
Waste name: TRICHLOROETHYLENE
Amount (Lbs): 521

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 1100

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 3340

Corrective Action Summary:

Event date: 08/30/1991
Event: RFA Completed

Event date: 08/30/1991
Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 12/31/1991
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 09/30/1994
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 03/20/1997
Event: RFI Imposition

Event date: 09/26/2000
Event: RFI Approved

Event date: 12/29/2000
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 03/02/2001
Event: RFI Workplan Approved

Event date: 03/23/2001
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 07/25/2001
Event: CA005EE

Event date: 02/25/2004
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Event date: Not reported
Event: Stabilization Construction Completed

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD IS-Air Emission Standards - Equipment Leaks
Date violation determined: 04/17/2001
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/17/2001
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-42(B)(E)
Area of violation: TSD - Financial Requirements
Date violation determined: 02/05/1996
Date achieved compliance: 05/07/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/05/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-43
Area of violation: TSD - Financial Requirements
Date violation determined: 02/05/1996
Date achieved compliance: 05/07/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/05/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-52-34(A)(2)
Area of violation: Generators - Pre-transport
Date violation determined: 01/31/1994
Date achieved compliance: 03/15/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/08/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-74(A)(B)
Area of violation: Generators - Pre-transport
Date violation determined: 01/31/1994
Date achieved compliance: 03/15/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/08/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-43
Area of violation: TSD - Financial Requirements
Date violation determined: 10/20/1993
Date achieved compliance: 11/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-43
Area of violation: TSD - Financial Requirements
Date violation determined: 05/12/1993
Date achieved compliance: 11/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-42
Area of violation: TSD - Financial Requirements
Date violation determined: 05/12/1993
Date achieved compliance: 11/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-52-34(A)(2)(3)
Area of violation: Generators - Pre-transport
Date violation determined: 11/25/1991
Date achieved compliance: 01/17/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/13/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 12/04/1990
Date achieved compliance: 01/24/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/10/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: - 40 CFR 268
Area of violation: LDR - General
Date violation determined: 12/04/1990
Date achieved compliance: 01/24/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/10/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Regulation violated: SR - 3745-52-20
Area of violation: Generators - Manifest
Date violation determined: 12/23/1988
Date achieved compliance: 02/22/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-94
Area of violation: TSD - Tank System Standards
Date violation determined: 12/23/1988
Date achieved compliance: 02/22/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-52-40 & 52-42
Area of violation: Generators - Records/Reporting
Date violation determined: 12/03/1987
Date achieved compliance: 12/15/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/08/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-52-23
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 12/03/1987
Date achieved compliance: 12/15/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/08/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-51-31

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Area of violation: Generators - General
Date violation determined: 12/11/1986
Date achieved compliance: 02/06/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/22/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-73(B)(1)
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 12/11/1986
Date achieved compliance: 02/06/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/22/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-52-23(A)(2)
Area of violation: Generators - Manifest
Date violation determined: 11/12/1985
Date achieved compliance: 12/11/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/20/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-16
Area of violation: TSD - General Facility Standards
Date violation determined: 03/01/1984
Date achieved compliance: 12/13/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/08/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-12(A)(1)
Area of violation: TSD - Closure/Post-Closure

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Date violation determined: 03/01/1984
Date achieved compliance: 12/13/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/08/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-51
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 03/01/1984
Date achieved compliance: 12/13/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/08/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-95
Area of violation: TSD - Tank System Standards
Date violation determined: 02/19/1982
Date achieved compliance: 05/05/1982
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/08/1982
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/17/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/31/2006
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: TSD IS-Air Emission Standards - Equipment Leaks
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/31/2006
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Evaluation lead agency: EPA

Evaluation date: 11/02/2001
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/02/2001
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: TSD IS-Air Emission Standards - Equipment Leaks
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/17/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/17/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Air Emission Standards - Equipment Leaks
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/23/2001
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/29/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/27/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/05/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/07/1996
Evaluation lead agency: State

Evaluation date: 03/09/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/20/1994

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/31/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/15/1995
Evaluation lead agency: State

Evaluation date: 10/20/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/29/1993
Evaluation lead agency: State

Evaluation date: 05/12/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/29/1993
Evaluation lead agency: State

Evaluation date: 11/25/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/17/1992
Evaluation lead agency: State

Evaluation date: 08/01/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/04/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/04/1990
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General
Date achieved compliance: 01/24/1991
Evaluation lead agency: State

Evaluation date: 06/26/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/30/1989
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Evaluation lead agency: State

Evaluation date: 11/30/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/21/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/23/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 02/22/1989
Evaluation lead agency: State

Evaluation date: 12/23/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/23/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 02/22/1989
Evaluation lead agency: State

Evaluation date: 09/15/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/03/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 12/15/1987
Evaluation lead agency: State

Evaluation date: 12/03/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/03/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 12/15/1987
Evaluation lead agency: State

Evaluation date: 12/11/1986

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/06/1987
Evaluation lead agency: State

Evaluation date: 12/11/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 02/06/1987
Evaluation lead agency: State

Evaluation date: 11/12/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 12/11/1986
Evaluation lead agency: State

Evaluation date: 12/13/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/01/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 12/13/1984
Evaluation lead agency: State

Evaluation date: 03/01/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 12/13/1984
Evaluation lead agency: State

Evaluation date: 03/01/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 12/13/1984
Evaluation lead agency: State

Evaluation date: 02/16/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/19/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 05/05/1982
Evaluation lead agency: State

FINDS:

Registry ID: 110000394886

Environmental Interest/Information System

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

The OH-CORE (Ohio - Core) database contains information commonly shared among the Ohio EPA environmental programs. The information is facility-based, general in nature, and used to support specific programmatic systems while simultaneously maintaining an inventory of common facility-related data. Specific programmatic details are maintained in programmatic databases.

US EPA RACT/BACT/LAER Clearinghouse (RBLC) database contains case-specific information on the "Best Available" air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). RACT, or Reasonably Available Control Technology, is required on existing sources in areas that are not meeting national ambient air quality standards. BACT, or Best Available Control Technology, is required on major new or modified sources in clean areas. LAER, or Lowest Achievable Emission Rate, is required on major new or modified sources in non-attainment areas.

NY MANIFEST:

EPA ID:	OHD041063074
Country:	USA
Mailing Name:	GENERAL MOTORS MORAIN ASSEMBLY-TRUCK

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Mailing Contact:	E R BECKER
Mailing Address:	2601 W STROOP RD
Mailing Address 2:	Not reported
Mailing City:	DAYTON
Mailing State:	OH
Mailing Zip:	45439
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	937-455-2813

Document ID:	NYG2989251
Manifest Status:	Not reported
Trans1 State ID:	0629753ME
Trans2 State ID:	Not reported
Generator Ship Date:	10/04/2004
Trans1 Recv Date:	10/04/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/06/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	OHD068913409
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03150
Units:	P - Pounds
Number of Containers:	007
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	04
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989269
Manifest Status:	Not reported
Trans1 State ID:	0629753ME
Trans2 State ID:	Not reported
Generator Ship Date:	10/07/2004
Trans1 Recv Date:	10/07/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/12/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Generator EPA ID:	OHD041063074
Trans1 EPA ID:	OHD068913409
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00950
Units:	P - Pounds
Number of Containers:	002
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	04
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989305
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	06/29/2005
Trans1 Recv Date:	06/29/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/05/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	T117060TM
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04000
Units:	P - Pounds
Number of Containers:	008
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989314
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	09/23/2005
Trans1 Recv Date:	09/23/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/27/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	T117060
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04000
Units:	P - Pounds
Number of Containers:	008
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989278
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	01/05/2005
Trans1 Recv Date:	01/05/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/06/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	T117060TM
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	05000

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Units:	P - Pounds
Number of Containers:	010
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989287
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	03/04/2005
Trans1 Recv Date:	03/04/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/07/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	T117060TN
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03150
Units:	P - Pounds
Number of Containers:	007
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989296

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	05/03/2005
Trans1 Recv Date:	05/03/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/05/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	T117060TN
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02500
Units:	P - Pounds
Number of Containers:	005
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989278
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	01/05/2005
Trans1 Recv Date:	01/05/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/06/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	T117060TM
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	05000
Units:	P - Pounds
Number of Containers:	010
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2005

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989287
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	03/04/2005
Trans1 Recv Date:	03/04/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/07/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	T117060TN
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03150
Units:	P - Pounds
Number of Containers:	007
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2005
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989296
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	05/03/2005
Trans1 Recv Date:	05/03/2005
Trans2 Recv Date:	Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

TSD Site Recv Date:	05/05/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	T117060TN
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02500
Units:	P - Pounds
Number of Containers:	005
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2005
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989305
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	06/29/2005
Trans1 Recv Date:	06/29/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/05/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	T117060TM
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04000
Units:	P - Pounds
Number of Containers:	008
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2005
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989314
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	09/23/2005
Trans1 Recv Date:	09/23/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/27/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	T117060
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04000
Units:	P - Pounds
Number of Containers:	008
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2005
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989107
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	06/19/2001
Trans1 Recv Date:	06/19/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/20/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

TSDF ID:	OHD068913
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	05580
Units:	P - Pounds
Number of Containers:	012
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989116
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	11/08/2001
Trans1 Recv Date:	11/08/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/09/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03100
Units:	P - Pounds
Number of Containers:	007
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Document ID:	NYG2989503
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	09/07/2001
Trans1 Recv Date:	09/07/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/11/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUTT8731O
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	06720
Units:	P - Pounds
Number of Containers:	016
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989125
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	01/11/2002
Trans1 Recv Date:	01/11/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/14/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUH8731
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	05980
Units:	P - Pounds
Number of Containers:	013
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Year:	02
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989134
Manifest Status:	Not reported
Trans1 State ID:	NYD097644801
Trans2 State ID:	Not reported
Generator Ship Date:	07/23/2002
Trans1 Recv Date:	07/23/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/24/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	AC25372NY
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03150
Units:	P - Pounds
Number of Containers:	007
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	02
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989143
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	10/08/2002
Trans1 Recv Date:	10/08/2002

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/09/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	0629742ME
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03500
Units:	P - Pounds
Number of Containers:	007
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	02
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989152
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	10/30/2002
Trans1 Recv Date:	10/30/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/31/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	0629746ME
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00950
Units:	P - Pounds
Number of Containers:	002
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	02
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported

GENERAL MOTORS MORAINE ASSEMBLY (Continued) **1000213107**

Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2989485
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	06/03/2002
Trans1 Recv Date:	06/03/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/04/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD041063074
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUR3535OH
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03200
Units:	P - Pounds
Number of Containers:	007
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	02
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Click this hyperlink while viewing on your computer to access
11 additional NY_MANIFEST: record(s) in the EDR Site Report.

A4 **GMC POWERTRAIN GROUP** **FTTS** **1008180990**
2601 WEST STROOP **HIST FTTS** **N/A**
< 1/8 **MORAINE, OH 45439**
1 ft.

Site 4 of 6 in cluster A

Relative:
Equal

Actual:
729 ft.

FTTS INSP:

Inspection Number:	2003081220675 1
Region:	05
Inspection Date:	08/12/03
Inspector:	NOVAK

GMC POWERTRAIN GROUP (Continued) **1008180990**

Violation occurred: No
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

HIST FTTS INSP:
Inspection Number: 2003081220675 1
Region: 05
Inspection Date: Not reported
Inspector: NOVAK
Violation occurred: No
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

A5 **GENERAL MOTORS TRUCK & BUS MORAINE ASSEMBLY PLANT** **ICIS** **1011621357**
2601 WEST STROOP ROAD MORAINE OH 45439 **N/A**
< 1/8 **MORAINE, OH 45439**
1 ft.

Site 5 of 6 in cluster A

Relative:
Equal

Actual:
729 ft.

ICIS:
Enforcement Action ID: 05-2004-4100
FRS ID: 110000394886
Program ID: RBLC 24854
Action Name: GENERAL MOTORS CORPORATION
Facility Name: GENERAL MOTORS TRUCK & BUS MORAINE ASSEMBLY PLANT
Facility Address: 2601 WEST STROOP ROAD MORAINE OH 45439
MORAINE, Ohio 45439
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: Montgomery
EPA Region #: 6

Enforcement Action ID: 05-2004-4100
FRS ID: 110000394886
Program ID: RCRAINFO OHD041063074
Action Name: GENERAL MOTORS CORPORATION
Facility Name: GM NORTH AMERICAN TRUCK PLATFORMS MORAIN
Facility Address: 2601 WEST STROOP ROAD MORAINE OH 45439
MORAINE, Ohio 45439
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: Montgomery
EPA Region #: 6

Enforcement Action ID: 05-2004-4100
FRS ID: 110000394886
Program ID: NET 391130857101349
Action Name: GENERAL MOTORS CORPORATION
Facility Name: GM TRUCK & BUS GROUP MORAINE ASSEMBLY PL
Facility Address: 2601 WEST STROOP ROAD MORAINE OH 45439
MORAINE, Ohio 45439
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: Montgomery

GENERAL MOTORS TRUCK & BUS MORAINE ASSEMBLY PLANT (Continued) **1011621357**

EPA Region #: 6

Enforcement Action ID: 05-2004-4100
FRS ID: 110000394886
Program ID: RBLC 1714
Action Name: GENERAL MOTORS CORPORATION
Facility Name: GM WORLD WIDE TRUCK DIV
Facility Address: 2601 WEST STROOP ROAD MORAINE OH 45439
MORAINE, Ohio 45439
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: Montgomery
EPA Region #: 6

Enforcement Action ID: 05-2004-4100
FRS ID: 110000394886
Program ID: OH-CORE 31876
Action Name: GENERAL MOTORS CORPORATION
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Facility Address: 2601 WEST STROOP ROAD MORAINE OH 45439
MORAINE, Ohio 45439
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: Montgomery
EPA Region #: 6

Enforcement Action ID: 05-2004-4100
FRS ID: 110000394886
Program ID: TRIS 45439GNRLM2601W
Action Name: GENERAL MOTORS CORPORATION
Facility Name: GMTG -MORAINE ASSEMBLY
Facility Address: 2601 WEST STROOP ROAD MORAINE OH 45439
MORAINE, Ohio 45439
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: Montgomery
EPA Region #: 6

Enforcement Action ID: 05-2004-4100
FRS ID: 110000394886
Program ID: AIRS/AFS 3911300150
Action Name: GENERAL MOTORS CORPORATION
Facility Name: GENERAL MOTORS CORPORATION - MORAINE ASS
Facility Address: 2601 WEST STROOP ROAD MORAINE OH 45439
MORAINE, Ohio 45439
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: Montgomery
EPA Region #: 6

Enforcement Action ID: 05-2004-4100
FRS ID: 110000394886
Program ID: NEI NTI11643
Action Name: GENERAL MOTORS CORPORATION
Facility Name: GENERAL MOTORS CORP - MORAINE ASSEMBLY
Facility Address: 2601 WEST STROOP ROAD MORAINE OH 45439
MORAINE, Ohio 45439
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: Montgomery
EPA Region #: 6

GENERAL MOTORS TRUCK & BUS MORAINE ASSEMBLY PLANT (Continued) **1011621357**

Enforcement Action ID: 05-2004-4100
FRS ID: 110000394886
Program ID: NEI NEI11643
Action Name: GENERAL MOTORS CORPORATION
Facility Name: Not reported
Facility Address: 2601 WEST STROOP ROAD MORAINE OH 45439
MORAINE, Ohio 45439
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: Montgomery
EPA Region #: 6

Enforcement Action ID: 05-2004-4100
FRS ID: 110000394886
Program ID: NCDB I05#2003081220675 1
Action Name: GENERAL MOTORS CORPORATION
Facility Name: GMC POWERTRAIN GROUP
Facility Address: 2601 WEST STROOP ROAD MORAINE OH 45439
MORAINE, Ohio 45439
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: Montgomery
EPA Region #: 6

Enforcement Action ID: 05-2004-4100
FRS ID: 110000394886
Program ID: NTI NTI11643
Action Name: GENERAL MOTORS CORPORATION
Facility Name: GMTG MORAINE ASSEMBLY
Facility Address: 2601 WEST STROOP ROAD MORAINE OH 45439
MORAINE, Ohio 45439
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: Montgomery
EPA Region #: 6

Enforcement Action ID: 05-2004-4100
FRS ID: 110000394886
Program ID: FRS 110000394886
Action Name: GENERAL MOTORS CORPORATION
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Facility Address: 2601 WEST STROOP ROAD MORAINE OH 45439
MORAINE, Ohio 45439
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: Montgomery
EPA Region #: 6

Program ID: AIRS/AFS 3911300150
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Address: 2601 WEST STROOP ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: FRS 110000394886
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Address: 2601 WEST STROOP ROAD
Tribal Indicator: N

GENERAL MOTORS TRUCK & BUS MORAINE ASSEMBLY PLANT (Continued) **1011621357**

Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: NCDB I05#2003081220675 1
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Address: 2601 WEST STROOP ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: NEI NEI11643
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Address: 2601 WEST STROOP ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: NEI NTI11643
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Address: 2601 WEST STROOP ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: NET 391130857101349
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Address: 2601 WEST STROOP ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: NTI NTI11643
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Address: 2601 WEST STROOP ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: OH-CORE 31876
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Address: 2601 WEST STROOP ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: RBLC 1714
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Address: 2601 WEST STROOP ROAD
Tribal Indicator: N
Fed Facility: No

GENERAL MOTORS TRUCK & BUS MORAINE ASSEMBLY PLANT (Continued) **1011621357**

NAIC Code: Not reported
SIC Code: Not reported

Program ID: RBLC 24854
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Address: 2601 WEST STROOP ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: RCRAINFO OHD041063074
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Address: 2601 WEST STROOP ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: TRIS 45439GNRLM2601W
Facility Name: GENERAL MOTORS MORAINE ASSEMBLY
Address: 2601 WEST STROOP ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

A6 **GENERAL MOTORS** **SPILLS** **S106315135**
2601 WEST STROOP RD **N/A**
< 1/8 **MORAINE, OH**
1 ft.

Site 6 of 6 in cluster A

Relative:
Equal

Actual:
729 ft.

SPILLS:
Spill No.: 0301-57-0146
Spill Year: 2003
Sequential Number: Not reported
Date Spill Reported: 01/16/03
Spill Month: 1
Spill Number: 0146
Reporter Name: HOLLEY HANES
Confidential: No
District Code: SW
County Code: 57
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: Not reported

7 ESE < 1/8 0.104 mi. 547 ft. | **LABORATORY CORPORATION 2345 W STOOP RD KETTERING, OH 45439** | **RCRA-NonGen FINDS MANIFEST** | **1001125200 OHR000019430**

Relative: Higher

Actual: 735 ft.

RCRA-NonGen:

Date form received by agency:	01/26/1998
Facility name:	LABORATORY CORPORATION
Facility address:	2345 W STOOP RD KETTERING, OH 45439
EPA ID:	OHR000019430
Mailing address:	7381 BRANDT PIKE HUBER HEIGHTS, OH 45424
Contact:	PAT GOSSARD
Contact address:	7381 BRANDT PIKE HUBER HEIGHTS, OH 45424
Contact country:	US
Contact telephone:	(937) 235-0017
Contact email:	Not reported
EPA Region:	05
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	LABORATORY CORP OF AMERICA HOLDINGS
Owner/operator address:	358 S MAIN ST BURLINGTON, NC 27215
Owner/operator country:	Not reported
Owner/operator telephone:	(800) 334-5161
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE

LABORATORY CORPORATION (Continued) **1001125200**

FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: K014
Waste name: BOTTOMS FROM THE ACETONITRILE PURIFICATION COLUMN IN THE PRODUCTION OF ACRYLONITRILE

Waste code: P030
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code: P034
Waste name: 2-CYCLOHEXYL-4,6-DINITROPHENOL

Waste code: U002
Waste name: ACETONE (I)

Waste code: U122
Waste name: FORMALDEHYDE

Waste code: U123
Waste name: FORMIC ACID (C,T)

Waste code: U125
Waste name: 2-FURANCARBOXALDEHYDE (I)

Waste code: U151
Waste name: MERCURY

LABORATORY CORPORATION (Continued) **1001125200**

Waste code: U188
Waste name: PHENOL

Waste code: U201
Waste name: 1,3-BENZENEDIOL

Waste code: U239
Waste name: BENZENE, DIMETHYL- (I,T)

Violation Status: No violations found

FINDS:

Registry ID: 110004721374

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: OHR000019430
Country: USA
Mailing Name: LAB CORP OF AMERICA
Mailing Contact: GLEN M GERDLEY
Mailing Address: 2345 WEST STROUP ROAD
Mailing Address 2: Not reported
Mailing City: KETTERING
Mailing State: OH
Mailing Zip: 45420
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 513-235-0017

Document ID: NYB7693569
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: Not reported
Trans2 State ID: HQ32083O
Generator Ship Date: 970109
Trans1 Recv Date: 970109
Trans2 Recv Date: 970115
TSD Site Recv Date: 970117
Part A Recv Date: Not reported
Part B Recv Date: 970205
Generator EPA ID: OHR000019430
Trans1 EPA ID: NJD080631369
Trans2 EPA ID: MOD095038998
TSDF ID: NYD049836679
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00005
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001

LABORATORY CORPORATION (Continued) **1001125200**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	97
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

B8 **GMC POWER TRAIN DIV ENGINE PLT** **DERR** **S104517809**
SSW **4100 SPRINGBORO PIKE** **N/A**
< 1/8 **MORAINE, OH 45401**
0.120 mi.
632 ft. **Site 1 of 5 in cluster B**

Relative:
Equal

Actual:
729 ft.

DERR:

DERR ID:	557001770
District:	SWDO
Alias:	Not reported
Lat/Long:	39.695853999999997 -84.219099999999997
EPA ID:	OHD980569388
Program:	**Not reported**
Contact Phone:	(937) 285-6357

B9 **GM MORAINE ENGINE PLANT** **LUST** **S104257740**
SSW **4100 SPRINGBORO RD** **N/A**
< 1/8 **MORAINE, OH 45439**
0.120 mi.
632 ft. **Site 2 of 5 in cluster B**

Relative:
Equal

Actual:
729 ft.

LUST:

Release Number:	57010329-N00001
Release Date:	Not reported
Facility Status:	**Inactive**
LTF Status:	1 SUS/CON from regulated UST
FR Status:	**NFA: No Further Action**
Priority:	2
Review Date:	6/20/2000

B10 SSW < 1/8 0.120 mi. 632 ft. | **GM MORAINE ENGINE PLANT** | **UST** | **U004092147**
4100 SPRINGBORO RD | **N/A**
MORAINE, OH 45439

Site 3 of 5 in cluster B

Relative: Equal

Actual: 729 ft.

Facility:
Facility ID: 57010329

UST:
Tank ID: Not reported
Tank Status: Not reported
Tank Type: Not reported
Capacity: Not reported
Content: Not reported
CAS #: Not reported
Regulated: Not reported
Overfill Device Installed: Not reported
Spill Device Installed: Not reported
AST/UST: Not reported
Installation Date: Not reported
Date Removed: Not reported
Date Last Used: Not reported
Date Abandoned/Closed: Not reported
Corrosion Protection Tank: Not reported
Release Detection on Tank: Not reported
Corrosion Protection Piping: Not reported
Piping Material: Not reported
Piping Type: Not reported
Release Detection on Piping: Not reported

B11 SSW < 1/8 0.120 mi. 632 ft. | **MORAINE ENGINE-POWERTRAIN-GMC** | **UST** | **U004096578**
4100 SPRINGBORO | **N/A**
MORAINE, OH 45439

Site 4 of 5 in cluster B

Relative: Equal

Actual: 729 ft.

Facility:
Facility ID: 57000005

Inspection:
Facility Id: 57000005
Inspection Id: 2/9/94
Code: 103
Permit Number: P00001
Inspection Type: Final

Permit:
Facility Id: 57000005
Permit Id: P00001
Permit Status: Expired
Issued Date: 2/17/1994
Lfd Permit Id: Not reported

UST:
Tank ID: T00001
Tank Status: REM
Tank Type: Other
Capacity: 6000

MORAINE ENGINE-POWERTRAIN-GMC (Continued) **U004096578**

Content:	Gasoline
CAS #:	8006-61-9
Regulated:	Yes
Overfill Device Installed:	No
Spill Device Installed:	No
AST/UST:	UST
Installation Date:	Not reported
Date Removed:	9/1/1991
Date Last Used:	Not reported
Date Abandoned/Closed:	Not reported
Corrosion Protection Tank:	Not reported
Release Detection on Tank:	Not reported
Corrosion Protection Piping:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Release Detection on Piping:	Not reported

Tank ID:	T00002
Tank Status:	**REM**
Tank Type:	Other
Capacity:	6000
Content:	Diesel
CAS #:	68334-30-5
Regulated:	Yes
Overfill Device Installed:	No
Spill Device Installed:	No
AST/UST:	UST
Installation Date:	Not reported
Date Removed:	9/1/1991
Date Last Used:	Not reported
Date Abandoned/Closed:	Not reported
Corrosion Protection Tank:	Not reported
Release Detection on Tank:	Not reported
Corrosion Protection Piping:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Release Detection on Piping:	Not reported

Tank ID:	T00003
Tank Status:	**REM**
Tank Type:	Steel;Other
Capacity:	1000
Content:	Used Oil
CAS #:	Not reported
Regulated:	Yes
Overfill Device Installed:	No
Spill Device Installed:	No
AST/UST:	UST
Installation Date:	Not reported
Date Removed:	1/1/1979
Date Last Used:	Not reported
Date Abandoned/Closed:	Not reported
Corrosion Protection Tank:	Not reported
Release Detection on Tank:	Not reported
Corrosion Protection Piping:	Not reported
Piping Material:	Bare Steel
Piping Type:	Gravity Feed

MORAINE ENGINE-POWERTRAIN-GMC (Continued) **U004096578**

Release Detection on Piping: Not reported

B12
SSW
< 1/8
0.120 mi.
632 ft.

Relative:
Equal

Actual:
729 ft.

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE
4100 SPRINGBORO ROAD
MORAINE, OH 45439

Site 5 of 5 in cluster B

CERC-NFRAP **1000124585**
CORRACTS **OHD980569388**
RCRA-LQG
PADS
FINDS
LUST
MANIFEST

CERC-NFRAP:
Site ID: 0507228
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Name(s):
Contact Title: RESPONSIBLE PARTY INVESTIGATOR
Contact Name: JANET PFUNDHELLER
Contact Tel: (312) 353-5821

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 04/09/1991
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 04/23/1993
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 12/27/1995
Priority Level: Not reported

CORRACTS:

EPA ID: OHD980569388
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2/25/2004
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 33639
Other Motor Vehicle Parts Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD980569388
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/20/1997
Action: CA100 - RFI Imposition

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

NAICS Code(s): 33639
Other Motor Vehicle Parts Manufacturing
Original schedule date: 03/20/1997
Schedule end date: Not reported

EPA ID: OHD980569388
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/23/2001
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 33639
Other Motor Vehicle Parts Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD980569388
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/31/1992
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 33639
Other Motor Vehicle Parts Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD980569388
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 9/26/2000
Action: CA200 - RFI Approved
NAICS Code(s): 33639
Other Motor Vehicle Parts Manufacturing
Original schedule date: 05/30/2000
Schedule end date: Not reported

EPA ID: OHD980569388
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 9/30/1994
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 33639
Other Motor Vehicle Parts Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD980569388
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 12/29/2000
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 33639
Other Motor Vehicle Parts Manufacturing
Original schedule date: Not reported

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Schedule end date: Not reported

EPA ID: OHD980569388
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 33639
Other Motor Vehicle Parts Manufacturing
Original schedule date: 12/31/2001
Schedule end date: 12/31/2001

RCRA-LQG:
Date form received by agency: 06/25/2002
Facility name: GMC MORAINE ENGINE PLANT GMPTG
Facility address: 4100 SPRINGBORO PIKE
MORAINE, OH 45439
EPA ID: OHD980569388
Mailing address: 2601 W STROOP RD
MORAINE, OH 454391929
Contact: HOLLEY J HANES
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (937) 455-2930
Contact email: HOLLEY.HANES@GM.COM
EPA Region: 05
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: GMC CHEVROLET MORAINE ENGINE
Owner/operator address: 4100 SPRINGBORO
DAYTON, OH 45401
Owner/operator country: Not reported
Owner/operator telephone: (313) 297-2355
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GM POWERTRAIN GROUP
Owner/operator address: 4100 SPRINGBORO PIKE
MORAINE, OH 45439

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1981
Owner/Op end date: Not reported

Owner/operator name: GENERAL MOTORS CORPORATION
Owner/operator address: 300 RENAISSANCE CENTER
DETROIT, MI 48243
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/17/1928
Owner/Op end date: Not reported

Owner/operator name: GMC CHEVROLET MORAINE ENGINE
Owner/operator address: 4100 SPRINGBORO
CITY NOT REPORTED, OH 99998
Owner/operator country: Not reported
Owner/operator telephone: (313) 297-2355
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:
Date form received by agency: 02/28/2000
Facility name: GMC MORAINE ENGINE PLANT GMPTG
Site name: MORAINE ENGINE PLANT GMPT - GMC
Classification: Large Quantity Generator

Date form received by agency: 02/27/1998
Facility name: GMC MORAINE ENGINE PLANT GMPTG
Site name: MORAINE ENGINE PLANT GMPT - GMC
Classification: Large Quantity Generator

Date form received by agency: 02/28/1996
Facility name: GMC MORAINE ENGINE PLANT GMPTG
Site name: MORAINE ENGINE PLANT GMPT - GMC
Classification: Large Quantity Generator

Date form received by agency: 06/22/1994
Facility name: GMC MORAINE ENGINE PLANT GMPTG
Site name: MORAINE ENGINE PLANT POWERTRAIN GMC
Classification: Large Quantity Generator

Date form received by agency: 06/22/1994
Facility name: GMC MORAINE ENGINE PLANT GMPTG
Site name: MORAINE ENGINE PLANT POWERTRAIN GMC
Classification: Large Quantity Generator

Date form received by agency: 02/22/1994
Facility name: GMC MORAINE ENGINE PLANT GMPTG
Site name: MORAINE ENGINE PLANT GMPT GMC
Classification: Large Quantity Generator

Date form received by agency: 02/21/1992
Facility name: GMC MORAINE ENGINE PLANT GMPTG
Site name: MORAINE ENGINE PLANT GMPT-GMC
Classification: Large Quantity Generator

Date form received by agency: 02/23/1990
Facility name: GMC MORAINE ENGINE PLANT GMPTG
Site name: MORAINE ENGINE PLANT CPC-GMC
Classification: Large Quantity Generator

Date form received by agency: 11/18/1980
Facility name: GMC MORAINE ENGINE PLANT GMPTG
Site name: MORAINE ENGINE PLANT POWERTRAIN GMC
Classification: Not a generator, verified

Hazardous Waste Summary:
Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE,

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: NONE
Waste name: None

Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F010
Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Corrective Action Summary:

Event date: 03/31/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 09/30/1994
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 03/20/1997
Event: RFI Imposition

Event date: 09/26/2000
Event: RFI Approved

Event date: 12/29/2000
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 03/23/2001
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 07/27/2001
Event: CA005EE

Event date: 02/25/2004
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: Not reported
Event: Stabilization Construction Completed

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Facility Has Received Notices of Violations:

Regulation violated: SR - 3745-66-43
Area of violation: TSD - Financial Requirements
Date violation determined: 02/05/1996
Date achieved compliance: 05/07/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/05/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-42(B)(E)
Area of violation: TSD - Financial Requirements
Date violation determined: 02/05/1996
Date achieved compliance: 05/07/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/05/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-52-34(C)(2)
Area of violation: Generators - Pre-transport
Date violation determined: 06/30/1994
Date achieved compliance: 08/23/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/06/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-59-07(A)(1)
Area of violation: LDR - General
Date violation determined: 06/30/1994
Date achieved compliance: 08/23/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/06/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Regulation violated: SR - 3745-66-42
Area of violation: TSD - Financial Requirements
Date violation determined: 10/20/1993
Date achieved compliance: 11/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-43
Area of violation: TSD - Financial Requirements
Date violation determined: 10/20/1993
Date achieved compliance: 11/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-42
Area of violation: TSD - Financial Requirements
Date violation determined: 05/12/1993
Date achieved compliance: 11/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-43
Area of violation: TSD - Financial Requirements
Date violation determined: 05/12/1993
Date achieved compliance: 11/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-52-34(C)(1)

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Area of violation: TSD - Container Use and Management
Date violation determined: 11/19/1991
Date achieved compliance: 03/09/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-13(B)(1)
Area of violation: TSD - General Facility Standards
Date violation determined: 11/19/1991
Date achieved compliance: 03/09/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-13(A)(3)(a)
Area of violation: TSD - General Facility Standards
Date violation determined: 11/19/1991
Date achieved compliance: 03/09/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-56(A)(2)
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 11/19/1991
Date achieved compliance: 03/09/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-54
Area of violation: TSD - Contingency Plan and Emergency Procedures

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Date violation determined: 11/19/1991
Date achieved compliance: 03/09/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-52(C)
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 11/19/1991
Date achieved compliance: 03/09/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-59-07(A)(1)(c)
Area of violation: LDR - General
Date violation determined: 12/31/1990
Date achieved compliance: 02/26/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/31/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-13
Area of violation: TSD - General Facility Standards
Date violation determined: 10/31/1989
Date achieved compliance: 01/12/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-73
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 10/31/1989

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Date achieved compliance: 01/12/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 08/21/1989
Date achieved compliance: 02/07/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/21/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - P.C.
Area of violation: Generators - General
Date violation determined: 11/10/1988
Date achieved compliance: 01/06/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/18/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-17
Area of violation: TSD - General Facility Standards
Date violation determined: 11/10/1988
Date achieved compliance: 01/06/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/18/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-52-20
Area of violation: Generators - Manifest
Date violation determined: 11/20/1987
Date achieved compliance: 12/14/1987

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/27/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 11/20/1987
Date achieved compliance: 01/18/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-54-34
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 11/20/1987
Date achieved compliance: 12/14/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/27/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-15(B)(4)
Area of violation: Generators - Pre-transport
Date violation determined: 12/17/1986
Date achieved compliance: 01/26/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/22/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-52-40
Area of violation: Generators - Records/Reporting
Date violation determined: 12/17/1986
Date achieved compliance: 01/26/1987
Violation lead agency: State

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/22/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-73(B)(1)
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 12/17/1986
Date achieved compliance: 01/26/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/22/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-16
Area of violation: TSD - General Facility Standards
Date violation determined: 12/10/1985
Date achieved compliance: 12/17/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/23/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-35
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 12/18/1984
Date achieved compliance: 05/31/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/21/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-16(D)
Area of violation: TSD - General Facility Standards
Date violation determined: 12/18/1984
Date achieved compliance: 05/31/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Enforcement action date: 12/21/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-12(A)(4)
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 04/25/1984
Date achieved compliance: 12/18/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-12(A)(2)
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 04/25/1984
Date achieved compliance: 12/18/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-52-33
Area of violation: Generators - Pre-transport
Date violation determined: 04/25/1984
Date achieved compliance: 12/18/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-16
Area of violation: TSD - General Facility Standards
Date violation determined: 04/25/1984
Date achieved compliance: 12/18/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/1984

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-12(A)(3)
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 04/25/1984
Date achieved compliance: 12/18/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-42
Area of violation: TSD - Financial Requirements
Date violation determined: 04/25/1984
Date achieved compliance: 12/18/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-13
Area of violation: TSD - General Facility Standards
Date violation determined: 04/25/1984
Date achieved compliance: 12/18/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-52
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 04/25/1984
Date achieved compliance: 12/18/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/1984
Enf. disposition status: Not reported

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-73
Area of violation: TSD - Container Use and Management
Date violation determined: 02/19/1982
Date achieved compliance: 05/05/1982
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/08/1982
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 02/05/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/07/1996
Evaluation lead agency: State

Evaluation date: 12/20/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/30/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/23/1994
Evaluation lead agency: State

Evaluation date: 06/30/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/23/1994
Evaluation lead agency: State

Evaluation date: 10/20/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/29/1993
Evaluation lead agency: State

Evaluation date: 05/12/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/29/1993
Evaluation lead agency: State

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Evaluation date: 11/19/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 03/09/1992
Evaluation lead agency: State

Evaluation date: 11/19/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/09/1992
Evaluation lead agency: State

Evaluation date: 11/19/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 03/09/1992
Evaluation lead agency: State

Evaluation date: 08/01/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/31/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/26/1991
Evaluation lead agency: State

Evaluation date: 11/02/1990
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/02/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/02/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/26/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/1989
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/31/1989
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/31/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 01/12/1990
Evaluation lead agency: State

Evaluation date: 10/31/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 01/12/1990
Evaluation lead agency: State

Evaluation date: 08/21/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 02/07/1990
Evaluation lead agency: State

Evaluation date: 01/06/1989
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/10/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/06/1989
Evaluation lead agency: State

Evaluation date: 11/10/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/10/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 01/06/1989
Evaluation lead agency: State

Evaluation date: 09/15/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Evaluation date: 11/20/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 12/14/1987
Evaluation lead agency: State

Evaluation date: 11/20/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 12/14/1987
Evaluation lead agency: State

Evaluation date: 11/20/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General
Date achieved compliance: 01/18/1989
Evaluation lead agency: State

Evaluation date: 12/17/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 01/26/1987
Evaluation lead agency: State

Evaluation date: 12/17/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 01/26/1987
Evaluation lead agency: State

Evaluation date: 12/17/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/26/1987
Evaluation lead agency: State

Evaluation date: 12/10/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 12/17/1986
Evaluation lead agency: State

Evaluation date: 12/18/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 05/31/1985
Evaluation lead agency: State

Evaluation date: 12/18/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 05/31/1985
Evaluation lead agency: State

Evaluation date: 04/25/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Date achieved compliance: 12/18/1984
Evaluation lead agency: State

Evaluation date: 04/25/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 12/18/1984
Evaluation lead agency: State

Evaluation date: 04/25/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 12/18/1984
Evaluation lead agency: State

Evaluation date: 04/25/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 12/18/1984
Evaluation lead agency: State

Evaluation date: 04/25/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/18/1984
Evaluation lead agency: State

Evaluation date: 04/22/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/19/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 05/05/1982
Evaluation lead agency: State

FINDS:

Registry ID: 110000394546

Environmental Interest/Information System
The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Release Number: 57000005-N00002
Release Date: Not reported
Facility Status: Inactive
LTF Status: 6 Closure of regulated UST
FR Status: NFA: No Further Action
Priority: 3
Review Date: 6/20/2000

Release Number: 57000005-N00001
Release Date: Not reported
Facility Status: Inactive
LTF Status: 6 Closure of regulated UST
FR Status: NFA: No Further Action
Priority: 3
Review Date: 6/20/2000

NY MANIFEST:

EPA ID:	OHD980569388
Country:	USA
Mailing Name:	GENERAL MOTORS CORP MORAINE ENGINE PLANT
Mailing Contact:	VINCENT FESTA
Mailing Address:	4100 SPRINGBORO RD
Mailing Address 2:	Not reported
Mailing City:	MORAINE
Mailing State:	OH
Mailing Zip:	45439
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	937-455-2229

Document ID:	NYG0404928
Manifest Status:	Not reported
Trans1 State ID:	MOD095038998
Trans2 State ID:	Not reported
Generator Ship Date:	08/25/1998
Trans1 Recv Date:	08/25/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/27/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD980569388
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	DT11716CA
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00054
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	98
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2991618
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	08/22/2001
Trans1 Recv Date:	08/22/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/23/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD980569388
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUR4241OH
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	12628
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2991627
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	08/22/2001
Trans1 Recv Date:	08/22/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/23/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD980569388

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUN6692OH
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	10841
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2991636
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	08/24/2001
Trans1 Recv Date:	08/24/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/27/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD980569388
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUR4241OH
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	12755
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2991645
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	08/24/2001
Trans1 Recv Date:	08/24/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/30/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD980569388
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUH8824OH
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	12773
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2991654
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	08/24/2001
Trans1 Recv Date:	08/24/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/27/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD980569388
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUH8821OH
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	13517
Units:	K - Kilograms (2.2 pounds)

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2991672
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	08/20/2001
Trans1 Recv Date:	08/20/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/21/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD980569388
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PAH6692OH
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	15640
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2991681
Manifest Status:	Not reported

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	08/21/2001
Trans1 Recv Date:	08/21/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/22/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD980569388
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUH8821OH
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	11703
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2991699
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	08/21/2001
Trans1 Recv Date:	08/21/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/22/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD980569388
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUH8821OH
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	11957
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported

GENERAL MOTORS CORP POWERTRAIN MORAINE ENGINE (Continued) **1000124585**

Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG2990007
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	08/20/2001
Trans1 Recv Date:	08/20/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/21/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD980569388
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	PUR4263OH
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	12138
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

13 SE 1/8-1/4 0.227 mi. 1197 ft.

HIPPLE CANCER RESEARCH CENTER
4100 S KETTERING BLVD
DAYTON, OH 45439

RCRA-SQG
MLTS
FINDS
MANIFEST

1000347964
OHD122540800

Relative: Higher

Actual: 738 ft.

RCRA-SQG:

Date form received by agency:	04/19/1988
Facility name:	HIPPLE CANCER RESEARCH CENTER
Facility address:	4100 S KETTERING BLVD DAYTON, OH 45439
EPA ID:	OHD122540800
Contact:	BETH CRANE
Contact address:	4100 S KETTERING BLVD DAYTON, OH 45439
Contact country:	US
Contact telephone:	(513) 293-8508
Contact email:	Not reported
EPA Region:	05
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	KRAMER MELVIN H
Owner/operator address:	ADDRESS NOT REPORTED CITY NOT REPORTED, AK 99998
Owner/operator country:	Not reported
Owner/operator telephone:	(312) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NAME NOT REPORTED
Owner/operator address:	ADDRESS NOT REPORTED CITY NOT REPORTED, AK 99998
Owner/operator country:	Not reported
Owner/operator telephone:	(312) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	No

HIPPLE CANCER RESEARCH CENTER (Continued) **1000347964**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: P105
Waste name: SODIUM AZIDE

Waste code: U002
Waste name: ACETONE (I)

Waste code: U007
Waste name: ACRYLAMIDE

Waste code: U021
Waste name: BENZIDINE

Waste code: U031
Waste name: 1-BUTANOL (I)

Waste code: U044
Waste name: CHLOROFORM

Waste code: U056
Waste name: BENZENE, HEXAHYDRO- (I)

Waste code: U057
Waste name: CYCLOHEXANONE (I)

Waste code: U108
Waste name: 1,4-DIETHYLENEOXIDE

Waste code: U112
Waste name: ACETIC ACID ETHYL ESTER (I)

Waste code: U117
Waste name: ETHANE, 1,1'-OXYBIS-(I)

HIPPLE CANCER RESEARCH CENTER (Continued) **1000347964**

Waste code: U123
Waste name: FORMIC ACID (C,T)

Waste code: U140
Waste name: ISOBUTYL ALCOHOL (I,T)

Waste code: U154
Waste name: METHANOL (I)

Waste code: U188
Waste name: PHENOL

Waste code: U196
Waste name: PYRIDINE

Waste code: U213
Waste name: FURAN, TETRAHYDRO-(I)

Waste code: U239
Waste name: BENZENE, DIMETHYL- (I,T)

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/07/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

MLTS:
License Number: 34-24468-01
First License Date: 12/12/1985
License Date: 05/29/1991
Lic. Expiration Date: 05/31/2001
Contact Name: SOHAN L. GUPTA/PH.D/RAD.SAF.OF
Contact Phone: 513-293-8508
Institution Code: 24468
Primary Program: Not reported
Department: Not reported
Building: Not reported
States Allowing Use: Not reported
License Use: Not reported
Store Material Use: No
Redistribution Use: No
Incinerate Use: No
Burial Use: No
Last Inspection Date: 11/1995
Next Inspection Date: 11/2000
Inspector Name: GATTONE
Status: Not reported

FINDS:

Registry ID: 110004633736

Environmental Interest/Information System

HIPPLE CANCER RESEARCH CENTER (Continued) **1000347964**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	OHD122540800
Country:	USA
Mailing Name:	HIPPLE CANCER RESEARCH CENTER
Mailing Contact:	BARBARA BARR
Mailing Address:	4100 S KETTERING BLVD
Mailing Address 2:	Not reported
Mailing City:	DAYLON
Mailing State:	OH
Mailing Zip:	43439
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	513-293-8508

Document ID:	NYB8352405
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	ILP207077
Trans2 State ID:	11283PNY
Generator Ship Date:	970227
Trans1 Recv Date:	970227
Trans2 Recv Date:	970307
TSD Site Recv Date:	970313
Part A Recv Date:	970310
Part B Recv Date:	970402
Generator EPA ID:	OHD122540800
Trans1 EPA ID:	NJD080631369
Trans2 EPA ID:	NYD980769947
TSDF ID:	NYD049836679
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00014
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.

HIPPLE CANCER RESEARCH CENTER (Continued) **1000347964**

Specific Gravity:	100
Year:	97
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

C14
West
1/4-1/2
0.392 mi.
2069 ft.

GMC HARRISON RADIATOR DIV S PLT **DERR** **S103686374**
3600 DRYDEN RD **LUST** **N/A**
MORAINE, OH 45439 **SPILLS**

Site 1 of 2 in cluster C

Relative:
Lower

Actual:
728 ft.

DERR:

DERR ID:	557000338
District:	SWDO
Alias:	Not reported
Lat/Long:	39.698836298499998 -84.219672703800001
EPA ID:	OHD000817577
Program:	**Site Addessment**
Contact Phone:	(937) 285-6357

LUST:

Release Number:	57000002-N00006
Release Date:	11/10/1992
Facility Status:	**Active**
LTF Status:	1 SUS/CON from regulated UST
FR Status:	**CAP: Corrective Actions in Progress**
Priority:	1
Review Date:	7/14/2006

Release Number:	57000002-N00008
Release Date:	11/10/1992
Facility Status:	**Active**
LTF Status:	1 SUS/CON from regulated UST
FR Status:	**NFA: No Further Action**
Priority:	2
Review Date:	6/3/2005

Release Number:	57000002-N00007
Release Date:	11/10/1992
Facility Status:	**Active**
LTF Status:	1 SUS/CON from regulated UST
FR Status:	**CAP: Corrective Actions in Progress**
Priority:	1
Review Date:	7/14/2006

Release Number:	57000002-N00004
Release Date:	3/31/1992

GMC HARRISON RADIATOR DIV S PLT (Continued) **S103686374**

Facility Status: **Active**
LTF Status: 1 SUS/CON from regulated UST
FR Status: **CON: a release is confirmed**
Priority: 2
Review Date: 6/28/2002

Release Number: 57000002-N00002
Release Date: 12/14/1990
Facility Status: **Active**
LTF Status: 1 SUS/CON from regulated UST
FR Status: **CAP: Corrective Actions in Progress**
Priority: 2
Review Date: 7/14/2006

SPILLS:
Spill No.: 8802-57-0346
Spill Year: 1988
Sequential Number: Not reported
Date Spill Reported: 02/04/88
Spill Month: 2
Spill Number: 0346
Reporter Name: COMPANY
Confidential: No
District Code: SW
County Code: 57
Employee Number: Not reported
Lat/Long: 394237 / 841406
Product Spilled Name: Not reported

Spill No.: 8802-57-0321
Spill Year: 1988
Sequential Number: Not reported
Date Spill Reported: 02/02/88
Spill Month: 2
Spill Number: 0321
Reporter Name: COMPANY
Confidential: No
District Code: SW
County Code: 57
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: Not reported

Spill No.: 8802-57-0346
Spill Year: 1988
Sequential Number: Not reported
Date Spill Reported: 02/04/88
Spill Month: 2
Spill Number: 0346
Reporter Name: COMPANY
Confidential: No
District Code: SW
County Code: 57
Employee Number: Not reported
Lat/Long: 394237 / 841406
Product Spilled Name: Not reported

GMC HARRISON RADIATOR DIV S PLT (Continued) **S103686374**

Spill No.:	8802-57-0346
Spill Year:	1988
Sequential Number:	Not reported
Date Spill Reported:	02/04/88
Spill Month:	2
Spill Number:	0346
Reporter Name:	COMPANY
Confidential:	No
District Code:	SW
County Code:	57
Employee Number:	Not reported
Lat/Long:	394237 / 841406
Product Spilled Name:	Not reported

Spill No.:	9107-57-3169
Spill Year:	1991
Sequential Number:	Not reported
Date Spill Reported:	07/31/91
Spill Month:	7
Spill Number:	3169
Reporter Name:	COMPANY
Confidential:	No
District Code:	SW
County Code:	57
Employee Number:	Not reported
Lat/Long:	Not reported
Product Spilled Name:	Not reported

Click this hyperlink while viewing on your computer to access
17 additional OH SPILL: record(s) in the EDR Site Report.

C15
West
1/4-1/2
0.392 mi.
2069 ft.

Relative:
Lower

Actual:
728 ft.

GMC MANUFACTURING MORAINE UTILITIES GROUP
3600 DRYDEN ROAD
MORAINE, OH 45439

Site 2 of 2 in cluster C

RCRA-TSDF **1000116804**
CERC-NFRAP **OHD000817577**
CORRACTS
RCRA-CESQG
PADS
FINDS
RAATS
MANIFEST
SPILLS

RCRA-TSDF:

Date form received by agency:	04/26/2006
Facility name:	FORMER DELPHI HARRISON THERMAL SYS
Facility address:	3600 DRYDEN RD MORAINE, OH 45439
EPA ID:	OHD000817577
Mailing address:	2601 W STROOP RD MORAINE, OH 45439
Contact:	PAMELA L BARNETT
Contact address:	2601 W STROOP RD MORAINE, OH 45439
Contact country:	US
Contact telephone:	(937) 455-2636
Contact email:	PAM.BARNETT@GM.COM
EPA Region:	05
Land type:	Private
Classification:	TSDF

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
TSD commencement date: Not reported
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: GMC
Owner/operator address: 100 RENNISANCE CENTER PO BOX 100
DETROIT, MI 48265
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/27/2003
Owner/Op end date: Not reported

Owner/operator name: GMC
Owner/operator address: 100 RENNISANCE CENTER PO BOX 100
DETROIT, MI 48265
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/27/2003
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 06/07/2005
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/23/2005
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/02/2004
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: DELPHI HARRISON THERMAL SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 02/22/2003
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: DELPHI HARRISON THERMAL SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 10/24/2002
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: DELPHI HARRISON THERMAL SYS MORAINE
Classification: Large Quantity Generator

Date form received by agency: 06/27/2002
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: DELPHI HARRISON THERMAL SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 02/28/2000
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: DELPHI HARRISON THERMAL SYSTEMS MORAINE
Classification: Large Quantity Generator

Date form received by agency: 01/25/1999
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: DELPHI HARRISON THERMAL SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 02/24/1998
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: DELPHI HARRISON THERMAL SYSTEMS MORAINE
Classification: Large Quantity Generator

Date form received by agency: 02/28/1996
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: DELPHI HARRISON THERMAL SYSTEMS MORAINE
Classification: Large Quantity Generator

Date form received by agency: 02/24/1994
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: GMC HARRISON DIV MORAINE PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: GMC HARRISON DIV. MORAINE PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/26/1990
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: GMC HARRISON RADIATOR MORAINE PLANT
Classification: Large Quantity Generator

Date form received by agency: 11/18/1980
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: DELPHI HARRISON THERMAL SYSTEMS
Classification: Not a generator, verified

Date form received by agency: 01/01/1979
Facility name: FORMER DELPHI HARRISON THERMAL SYS
Site name: DELPHI HARRISON THERMAL SYSTEMS
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Corrective Action Summary:
Event date: 12/29/1986
Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 12/29/1986
Event: RFA Completed, Assessment was an RFA.

Event date: 01/31/1991
Event: RFI Imposition, Focused data collection required for stabilization evaluation.

Event date: 03/01/1991
Event: RFI Workplan Received

Event date: 04/30/1991
Event: RFI Workplan Received

Event date: 08/23/1991
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 09/16/1991
Event: RFI Workplan Notice Of Deficiency Issued

Event date: 09/19/1991
Event: CA066

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Event date: 09/26/1991
Event: CA066

Event date: 11/02/1991
Event: RFI Workplan Received

Event date: 02/10/1992
Event: RFI Workplan Notice Of Deficiency Issued

Event date: 06/08/1992
Event: CA156

Event date: 06/08/1992
Event: RFI Workplan Approved

Event date: 06/08/1992
Event: CA147

Event date: 07/15/1992
Event: RFI Supplemental Implementation Begun

Event date: 08/04/1992
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity because of a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available.

Event date: 08/06/1992
Event: FI Progress Reports Received

Event date: 07/15/1993
Event: RFI Report Received

Event date: 11/30/1994
Event: Stabilization Measures Implemented

Event date: 11/30/1994
Event: Stabilization Construction Completed

Event date: 10/15/1995
Event: Stabilization Construction Completed

Event date: 10/15/1995
Event: Stabilization Measures Implemented, Groundwater extraction and treatment (e.g., to achieve groundwater containment, to achieve MCL).

Event date: 02/29/1996
Event: RFI Report Received

Event date: 10/07/1997
Event: RFI Workplan Modification Requested By Agency

Event date: 06/10/1999
Event: RFI Supplemental Information Received

Event date: 06/24/1999

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Event: CA606

Event date: 06/30/1999
Event: CA077

Event date: 07/19/1999
Event: CA608

Event date: 03/23/2001
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 07/27/2001
Event: CA005EE

Event date: 09/05/2002
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: Not reported
Event: RFI Approved

Event date: Not reported
Event: Stabilization Construction Completed

Facility Has Received Notices of Violations:
Regulation violated: SR - 3745-66-43
Area of violation: TSD - Financial Requirements
Date violation determined: 04/25/2005
Date achieved compliance: 11/10/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/12/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-47
Area of violation: TSD - Financial Requirements
Date violation determined: 04/25/2005
Date achieved compliance: 11/10/2005

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/27/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-47
Area of violation: TSD - Financial Requirements
Date violation determined: 04/25/2005
Date achieved compliance: 11/10/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/12/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-43
Area of violation: TSD - Financial Requirements
Date violation determined: 04/25/2005
Date achieved compliance: 11/10/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/27/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-45
Area of violation: TSD - Financial Requirements
Date violation determined: 04/25/2005
Date achieved compliance: 11/10/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/12/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-45
Area of violation: TSD - Financial Requirements
Date violation determined: 04/25/2005
Date achieved compliance: 11/10/2005
Violation lead agency: State

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/27/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-55-11
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 06/21/2004
Date achieved compliance: 11/05/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/15/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-55-11,55-18,56-28
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 06/21/2004
Date achieved compliance: 11/05/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/15/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-44
Area of violation: TSD - Financial Requirements
Date violation determined: 06/11/2004
Date achieved compliance: 11/10/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/29/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-44
Area of violation: TSD - Financial Requirements
Date violation determined: 06/11/2004
Date achieved compliance: 11/10/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Enforcement action date: 08/12/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-42
Area of violation: TSD - Financial Requirements
Date violation determined: 06/11/2004
Date achieved compliance: 11/10/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/29/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-42
Area of violation: TSD - Financial Requirements
Date violation determined: 06/11/2004
Date achieved compliance: 11/10/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/27/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-44
Area of violation: TSD - Financial Requirements
Date violation determined: 06/11/2004
Date achieved compliance: 11/10/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/27/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-42
Area of violation: TSD - Financial Requirements
Date violation determined: 06/11/2004
Date achieved compliance: 11/10/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/12/2005

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-43(B)(7) & 66-45(B)(7)
Area of violation: TSD - Financial Requirements
Date violation determined: 10/14/2003
Date achieved compliance: 06/22/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/14/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-43(B)(7) & 66-45(B)(7)
Area of violation: TSD - Financial Requirements
Date violation determined: 10/14/2003
Date achieved compliance: 06/22/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/02/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-42 & 66-44
Area of violation: TSD - Financial Requirements
Date violation determined: 06/11/2003
Date achieved compliance: 10/14/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/18/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-43 & 66-45
Area of violation: TSD - Financial Requirements
Date violation determined: 06/11/2003
Date achieved compliance: 10/14/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/18/2003
Enf. disposition status: Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-47
Area of violation: TSD - Financial Requirements
Date violation determined: 06/11/2003
Date achieved compliance: 10/14/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/18/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-42(B)(E)
Area of violation: TSD - Financial Requirements
Date violation determined: 02/05/1996
Date achieved compliance: 05/07/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/05/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-43
Area of violation: TSD - Financial Requirements
Date violation determined: 02/05/1996
Date achieved compliance: 05/07/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/05/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-92(A)(7)(c)
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/30/1995
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/04/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-92(A)(7)(b)
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/30/1995
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/04/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-94(B)(2)
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/30/1995
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/04/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-93(D)(3)(a)
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/30/1995
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/04/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-92(C)(1)
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/30/1995
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/04/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-65-92(A)(6)
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/30/1995
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/04/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-43 & 66-45
Area of violation: TSD - Financial Requirements
Date violation determined: 10/20/1993
Date achieved compliance: 11/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-42 & 66-44
Area of violation: TSD - Financial Requirements
Date violation determined: 05/12/1993
Date achieved compliance: 11/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-43 & 66-45
Area of violation: TSD - Financial Requirements
Date violation determined: 05/12/1993
Date achieved compliance: 11/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 268
Area of violation: LDR - General
Date violation determined: 07/19/1990
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 07/19/1990
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 01/09/1990
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-66-91,66-93,66-95
Area of violation: TSD - Tank System Standards
Date violation determined: 07/08/1989
Date achieved compliance: 08/05/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/01/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Paid penalty amount: Not reported

Regulation violated: SR - 3745-54-76
Area of violation: Generators - General
Date violation determined: 07/08/1989
Date achieved compliance: 08/05/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/01/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 03/31/1987
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 09/25/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 03/31/1987
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/06/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 03/31/1987
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 10/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 03/31/1987
Date achieved compliance: 10/20/1997
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 06/30/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/06/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/27/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/19/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/05/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/23/2007
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/26/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Evaluation date: 06/07/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/25/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/10/2005
Evaluation lead agency: State

Evaluation date: 10/25/2004
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/21/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 11/05/2004
Evaluation lead agency: State

Evaluation date: 06/11/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/10/2005
Evaluation lead agency: State

Evaluation date: 12/02/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 06/22/2004
Evaluation lead agency: State

Evaluation date: 10/14/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 06/22/2004
Evaluation lead agency: State

Evaluation date: 06/13/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/11/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 10/14/2003
Evaluation lead agency: State

Evaluation date: 06/03/2002
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/16/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/25/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/15/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/08/2000
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/28/1999
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/23/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/29/1998
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/08/1997
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Evaluation date: 04/15/1997
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/16/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/05/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/07/1996
Evaluation lead agency: State

Evaluation date: 01/18/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/30/1995
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 10/20/1997
Evaluation lead agency: State

Evaluation date: 03/22/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/20/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/22/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/20/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/29/1993
Evaluation lead agency: State

Evaluation date: 05/12/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Date achieved compliance: 11/29/1993
Evaluation lead agency: State

Evaluation date: 07/31/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/01/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/17/1991
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/17/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/19/1990
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General
Date achieved compliance: 10/20/1997
Evaluation lead agency: State

Evaluation date: 07/19/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/26/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/09/1990
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 10/20/1997
Evaluation lead agency: State

Evaluation date: 08/21/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Evaluation date: 07/08/1989
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/08/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 08/05/1990
Evaluation lead agency: State

Evaluation date: 07/08/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 07/08/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/05/1990
Evaluation lead agency: State

Evaluation date: 09/15/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/05/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/31/1987
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 10/20/1997
Evaluation lead agency: State

Evaluation date: 07/31/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/09/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/25/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/05/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

CERC-NFRAP:
Site ID: 0504083
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

CERCLIS-NFRAP Site Contact Name(s):
Contact Title: RESPONSIBLE PARTY INVESTIGATOR
Contact Name: JANET PFUNDHELLER
Contact Tel: (312) 353-5821

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: GMC DELCO AIR CONDITIONING S PLT
Alias Address: Not reported
OH

Alias Name: GMC HARRISON RADIATOR DIV S PLT
Alias Address: Not reported
MONTGOMERY, OH

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 08/01/1980
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 03/01/1983
Priority Level: Low priority for further assessment

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 11/01/1991
Priority Level: NFRAP: No further Remedial Action planned

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 03/21/1994
Priority Level: Not reported

Action: SH
Date Started: Not reported
Date Completed: 03/21/1994
Priority Level: Not reported

CORRACTS:

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1/31/1991
Action: CA100DC - RFI Imposition, Focused data collection required for stabilization evaluation
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2/10/1992
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2/29/1996
Action: CA190 - RFI Report Received
NAICS Code(s): Not reported
Original schedule date: 02/01/1995
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/1/1991
Action: CA110 - RFI Workplan Received
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/23/2001
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 4/30/1991
Action: CA110 - RFI Workplan Received
NAICS Code(s): Not reported
Original schedule date: 04/30/1991
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 6/8/1992
Action: CA150 - RFI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 6/10/1999
Action: CA160 - RFI Supplemental Information Received
NAICS Code(s): Not reported
Original schedule date: 06/10/1999
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 7/15/1992
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 7/15/1993
Action: CA190 - RFI Report Received
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 8/4/1992
Action: CA225IN - Stabilization Measures Evaluation, This facility is not, amenable to stabilization activity because of, a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 8/6/1992
Action: CA195 - FI Progress Reports Received
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 8/23/1991
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 9/5/2002
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): Not reported
Original schedule date: 12/31/2001
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 9/16/1991
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 10/7/1997
Action: CA120 - RFI Workplan Modification Requested By Agency
NAICS Code(s): Not reported
Original schedule date: 09/22/1997
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 10/15/1995
Action: CA600GW - Stabilization Measures Implemented, Groundwater extraction and treatment

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

NAICS Code(s): Not reported
Original schedule date: 10/15/1995
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 10/15/1995
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): Not reported
Original schedule date: 10/15/1995
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 11/2/1991
Action: CA110 - RFI Workplan Received
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 11/30/1994
Action: CA600 - Stabilization Measures Implemented
NAICS Code(s): Not reported
Original schedule date: 11/30/1994
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 11/30/1994
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): Not reported
Original schedule date: 11/30/1994
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 12/29/1986
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 12/29/1986
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): Not reported
Original schedule date: 12/31/2001
Schedule end date: 12/31/2001

EPA ID: OHD000817577
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA200 - RFI Approved
NAICS Code(s): Not reported
Original schedule date: 05/30/2000
Schedule end date: 05/30/2000

FINDS:

Registry ID: 110000394895

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

The OH-CORE (Ohio - Core) database contains information commonly shared among the Ohio EPA environmental programs. The information is facility-based, general in nature, and used to support specific programmatic systems while simultaneously maintaining an inventory of common facility-related data. Specific programmatic details are maintained in programmatic databases.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

NY MANIFEST:

EPA ID:	OHD000817577
Country:	USA
Mailing Name:	GENERAL MOTORS CORPORATION HARRISON DIV
Mailing Contact:	BOB GERLING
Mailing Address:	3600 DRYDEN ROAD
Mailing Address 2:	Not reported
Mailing City:	MORAINE
Mailing State:	OH
Mailing Zip:	45439
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	513-455-4408

Document ID:	NYB9500445
Manifest Status:	Not reported
Trans1 State ID:	OHD068913409
Trans2 State ID:	Not reported
Generator Ship Date:	08/22/2001
Trans1 Recv Date:	08/22/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/23/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	ME0628646

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	12100
Units:	P - Pounds
Number of Containers:	014
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	01
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB7405713
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	4362AZOK
Trans2 State ID:	Not reported
Generator Ship Date:	951117
Trans1 Recv Date:	951117
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951128
Part A Recv Date:	Not reported
Part B Recv Date:	951213
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	ARD981908551
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00034
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Document ID:	NYB7405722
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	4362AZOK
Trans2 State ID:	Not reported
Generator Ship Date:	951117
Trans1 Recv Date:	951117
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951128
Part A Recv Date:	Not reported
Part B Recv Date:	951213
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	ARD981908551
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00386
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00007
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	95
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB9074178
Manifest Status:	Not reported
Trans1 State ID:	MOD095038998
Trans2 State ID:	Not reported
Generator Ship Date:	05/10/1999
Trans1 Recv Date:	05/10/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/14/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	ORHQ89547

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00266
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	99
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB7736535
Manifest Status:	Completed copy
Trans1 State ID:	5025BGOK
Trans2 State ID:	Not reported
Generator Ship Date:	960710
Trans1 Recv Date:	960710
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960712
Part A Recv Date:	Not reported
Part B Recv Date:	960729
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	ARD981908551
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00007
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Document ID:	NYG0047223
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	NY81116V
Generator Ship Date:	970703
Trans1 Recv Date:	970703
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970708
Part A Recv Date:	970730
Part B Recv Date:	970728
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD982792814
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00343
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00007
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	97
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1249578
Manifest Status:	Completed copy
Trans1 State ID:	10259PNY
Trans2 State ID:	Not reported
Generator Ship Date:	910321
Trans1 Recv Date:	910321
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910325
Part A Recv Date:	910401
Part B Recv Date:	910403
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	16520
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1249731
Manifest Status:	Completed copy
Trans1 State ID:	10256PNY
Trans2 State ID:	Not reported
Generator Ship Date:	910328
Trans1 Recv Date:	910328
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910329
Part A Recv Date:	910408
Part B Recv Date:	910408
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	14170
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Document ID:	NYB1249587
Manifest Status:	Completed copy
Trans1 State ID:	10260PNY
Trans2 State ID:	Not reported
Generator Ship Date:	910321
Trans1 Recv Date:	910321
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910322
Part A Recv Date:	910401
Part B Recv Date:	910401
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	15967
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1249623
Manifest Status:	Completed copy
Trans1 State ID:	10259PNY
Trans2 State ID:	Not reported
Generator Ship Date:	910319
Trans1 Recv Date:	910319
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910320
Part A Recv Date:	910401
Part B Recv Date:	910401
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	17509
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1249668
Manifest Status:	Completed copy
Trans1 State ID:	10261PNY
Trans2 State ID:	Not reported
Generator Ship Date:	910326
Trans1 Recv Date:	910326
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910327
Part A Recv Date:	910403
Part B Recv Date:	910404
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	16130
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1249551
Manifest Status:	Completed copy
Trans1 State ID:	10255PNY
Trans2 State ID:	11205PNY
Generator Ship Date:	910321
Trans1 Recv Date:	910321

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910326
Part A Recv Date:	910401
Part B Recv Date:	910404
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	18788
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1249632
Manifest Status:	Completed copy
Trans1 State ID:	10261PNY
Trans2 State ID:	Not reported
Generator Ship Date:	910319
Trans1 Recv Date:	910319
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910320
Part A Recv Date:	910401
Part B Recv Date:	910401
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	18960
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1249641
Manifest Status:	Completed copy
Trans1 State ID:	10256PNY
Trans2 State ID:	Not reported
Generator Ship Date:	910319
Trans1 Recv Date:	910319
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910320
Part A Recv Date:	910401
Part B Recv Date:	910401
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	19042
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1249542
Manifest Status:	Completed copy
Trans1 State ID:	10261PNY
Trans2 State ID:	Not reported
Generator Ship Date:	910321
Trans1 Recv Date:	910321
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910322
Part A Recv Date:	910401
Part B Recv Date:	910401
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD980769947

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	16075
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1249605
Manifest Status:	Completed copy
Trans1 State ID:	10255PNY
Trans2 State ID:	Not reported
Generator Ship Date:	910319
Trans1 Recv Date:	910319
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910320
Part A Recv Date:	910401
Part B Recv Date:	910401
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	18461
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Mgmt Method Type Code: Not reported

Document ID: NYB1249596
Manifest Status: Completed copy
Trans1 State ID: 10260PNY
Trans2 State ID: Not reported
Generator Ship Date: 910326
Trans1 Recv Date: 910326
Trans2 Recv Date: Not reported
TSD Site Recv Date: 910327
Part A Recv Date: 910403
Part B Recv Date: 910404
Generator EPA ID: OHD000817577
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 15549
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 91
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB1249677
Manifest Status: Completed copy
Trans1 State ID: 10256PNY
Trans2 State ID: Not reported
Generator Ship Date: 910326
Trans1 Recv Date: 910326
Trans2 Recv Date: Not reported
TSD Site Recv Date: 910327
Part A Recv Date: 910403
Part B Recv Date: 910404
Generator EPA ID: OHD000817577
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 17981
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1249614
Manifest Status:	Completed copy
Trans1 State ID:	10260PNY
Trans2 State ID:	Not reported
Generator Ship Date:	910319
Trans1 Recv Date:	910319
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910320
Part A Recv Date:	910401
Part B Recv Date:	910401
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	16611
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1249560
Manifest Status:	Completed copy
Trans1 State ID:	10256PNY

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Trans2 State ID:	Not reported
Generator Ship Date:	910321
Trans1 Recv Date:	910321
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910322
Part A Recv Date:	910401
Part B Recv Date:	910401
Generator EPA ID:	OHD000817577
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	19577
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Click this hyperlink while viewing on your computer to access
2 additional NY_MANIFEST: record(s) in the EDR Site Report.

SPILLS:

Spill No.:	0801-57-0113
Spill Year:	2008
Sequential Number:	Not reported
Date Spill Reported:	1/10/2008 09:38:26
Spill Month:	1
Spill Number:	113
Reporter Name:	HOLLEY HANES
Confidential:	No
District Code:	SW
County Code:	57
Employee Number:	Not reported
Lat/Long:	Not reported
Product Spilled Name:	Not reported

Spill No.:	0806-57-2628
Spill Year:	2008
Sequential Number:	Not reported
Date Spill Reported:	6/16/2008 00:00:00
Spill Month:	6
Spill Number:	2628
Reporter Name:	HOLLEY HANES

GMC MANUFACTURING MORAINE UTILITIES GROUP (Continued) **1000116804**

Confidential: No
District Code: SW
County Code: 57
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: Not reported

16
ESE
1/4-1/2
0.411 mi.
2170 ft.

SHELL OIL CO. #23440411124
3985 S DIXIE
KETTERING, OH 45439

LUST **S104799438**
N/A

Relative:
Higher

Actual:
750 ft.

LUST:
Release Number: 57000088-N00001
Release Date: Not reported
Facility Status: Inactive
LTF Status: 6 Closure of regulated UST
FR Status: NFA: No Further Action
Priority: 3
Review Date: 6/20/2000

Release Number: 57000088-N00002
Release Date: 9/11/2000
Facility Status: Inactive
LTF Status: 6 Closure of regulated UST
FR Status: NFA: No Further Action
Priority: 3
Review Date: 11/30/2000 7:47:59 AM

17
ESE
1/4-1/2
0.449 mi.
2373 ft.

UNITED DAIRY FARMERS #217
1901 W STROOP
KETTERING, OH 45439

LUST **S105077074**
N/A

Relative:
Higher

Actual:
752 ft.

LUST:
Release Number: 57000517-N00001
Release Date: Not reported
Facility Status: Inactive
LTF Status: 6 Closure of regulated UST
FR Status: NFA: No Further Action
Priority: 3
Review Date: 6/20/2000

Release Number: 57000517-N00002
Release Date: Not reported
Facility Status: Inactive
LTF Status: 6 Closure of regulated UST
FR Status: NFA: No Further Action
Priority: 3
Review Date: 6/20/2000

18 SSE 1/4-1/2 0.500 mi. 2639 ft.

ORPHAN TANK
4501 S DIXIE DR
DAYTON, OH 45439

LUST **S106799011** **N/A**

Relative: Higher

Actual: 739 ft.

LUST:
Release Number: 57010442-N00001
Release Date: 7/29/2004
Facility Status: Active
LTF Status: 6 Closure of regulated UST
FR Status: RPT: a possible incident is reported
Priority: Not reported
Review Date: 9/28/2004

---

19 North 1/2-1 0.858 mi. 4530 ft.

SOUTH SANITARY LANDFILL
2500 W DOROTHY LN
MORAINE, OH 45439

DERR **S103686385** **N/A**

Relative: Higher

Actual: 745 ft.

DERR:
DERR ID: 557000708
District: SWDO
Alias: Dorothy Lane Landfill
Lat/Long: 39.711287013700002 -84.211998325099998
EPA ID: OHD980612139
Program: Site Addessment
Contact Phone: (937) 285-6357

---

20 North 1/2-1 0.981 mi. 5181 ft.

ASHLAND DISTRIBUTION COMPANY
2854 SPRINGBORO PIKE
DAYTON, OH 45439

CERC-NFRAP **1000276959**
CORRACTS **OHD074700311**
RCRA-CESQG
FINDS
DERR
MANIFEST
SPILLS

Relative: Higher

Actual: 740 ft.

CERC-NFRAP:
Site ID: 0505720
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Name(s):
Contact Title: RESPONSIBLE PARTY INVESTIGATOR
Contact Name: JANET PFUNDHELLER
Contact Tel: (312) 353-5821

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: ASHLAND CHEMICAL CO
Alias Address: 2854 SPRINGBORO PIKE
MORAINE, OH 45439

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported

ASHLAND DISTRIBUTION COMPANY (Continued) **1000276959**

Date Completed: 01/15/1988
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 01/09/1989
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 12/27/1995
Priority Level: Not reported

CORRACTS:

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2/16/2005
Action: CA160 - RFI Supplemental Information Received
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/31/1994
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 6/1/1988
Action: CA050 - RFA Completed
NAICS Code(s): Not reported
Original schedule date: 08/15/1991
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 7/7/2005
Action: CA150 - RFI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 7/10/2009

ASHLAND DISTRIBUTION COMPANY (Continued) **1000276959**

Action: CA200 - RFI Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 9/27/1991
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 11/8/2004
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): Not reported
Original schedule date: 09/30/2001
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA500 - CMI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: 06/30/2000
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA550 - Certification Of Remedy Completion Or Construction Completion
NAICS Code(s): Not reported
Original schedule date: 01/31/2003
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA725IN - Current Human Exposures Under Control, More information is needed to make a determination

ASHLAND DISTRIBUTION COMPANY (Continued) **1000276959**

NAICS Code(s): Not reported
Original schedule date: 09/30/2003
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA350 - CMS Approved
NAICS Code(s): Not reported
Original schedule date: 06/30/1999
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA750IN - Migration of Contaminated Groundwater under Control, More information is needed to make a determination
NAICS Code(s): Not reported
Original schedule date: 09/30/2003
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA010 - RFA Initiation
NAICS Code(s): Not reported
Original schedule date: 08/15/1991
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA100DC - RFI Imposition, Focused data collection required for stabilization evaluation
NAICS Code(s): Not reported
Original schedule date: 08/15/1991
Schedule end date: Not reported

EPA ID: OHD074700311
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA200 - RFI Approved
NAICS Code(s): Not reported
Original schedule date: 09/30/2000
Schedule end date: Not reported

RCRA-CESQG:
Date form received by agency: 01/30/2006
Facility name: ASHLAND DISTRIBUTION COMPANY
Site name: ASHLAND DISTRIBUTION
Facility address: 2854 SPRINGBORO RD W
DAYTON, OH 45439

ASHLAND DISTRIBUTION COMPANY (Continued) **1000276959**

EPA ID:	OHD074700311
Contact:	TIM REICHARD
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(937) 298-7154
Contact email:	jtreichard@ashland.com
EPA Region:	05
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	ASHLAND DISTRIBUTION
Owner/operator address:	2854 SPRINGBORO ROAD WEST DAYTON, OH 45439
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/05/2002
Owner/Op end date:	Not reported

Owner/operator name:	ASHLAND DISTRIBUTION
Owner/operator address:	2854 SPRINGBORO ROAD WEST DAYTON, OH 45439
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/05/2002
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	Yes
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No

ASHLAND DISTRIBUTION COMPANY (Continued) **1000276959**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: Yes
Used oil transporter: Yes
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:
Date form received by agency: 02/25/2004
Facility name: ASHLAND DISTRIBUTION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 06/07/2002
Facility name: ASHLAND DISTRIBUTION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 02/16/2000
Facility name: ASHLAND DISTRIBUTION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 01/28/1998
Facility name: ASHLAND DISTRIBUTION COMPANY
Site name: ASHLAND CHEMICAL COMPANY
Classification: Small Quantity Generator

Date form received by agency: 01/03/1996
Facility name: ASHLAND DISTRIBUTION COMPANY
Site name: ASHLAND CHEMICAL COMPANY
Classification: Large Quantity Generator

Date form received by agency: 02/23/1994
Facility name: ASHLAND DISTRIBUTION COMPANY
Site name: ASHLAND CHEMICAL INC
Classification: Large Quantity Generator

Date form received by agency: 02/26/1992
Facility name: ASHLAND DISTRIBUTION COMPANY
Site name: ASHLAND CHEMICAL INC
Classification: Large Quantity Generator

ASHLAND DISTRIBUTION COMPANY (Continued) **1000276959**

Date form received by agency: 02/07/1990
Facility name: ASHLAND DISTRIBUTION COMPANY
Site name: ASHLAND CHEMICAL INC
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2007

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 550

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 550

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 550

Violation Status: No violations found

FINDS:

Registry ID: 110000617397

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans

ASHLAND DISTRIBUTION COMPANY (Continued) **1000276959**

to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

The OH-CORE (Ohio - Core) database contains information commonly shared among the Ohio EPA environmental programs. The information is facility-based, general in nature, and used to support specific programmatic systems while simultaneously maintaining an inventory of common facility-related data. Specific programmatic details are maintained in programmatic databases.

DERR:

DERR ID:	557001767
District:	SWDO
Alias:	Not reported
Lat/Long:	39.711888600499996 -84.217982364199997
EPA ID:	OHD074700311
Program:	**Site Addessment**
Contact Phone:	(937) 285-6357

WI MANIFEST:

Year:	04
EPA ID:	OHD074700311
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact First Name:	Not reported
Contact Last Name:	Not reported
Contact Title:	Not reported
Contact Address:	Not reported
Contact State:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Telephone:	Not reported
Contact Extention:	Not reported
Contact Email Address:	Not reported
WI MANIFEST SHIP:	-
Manifest DOC ID:	Not reported
Copy Type:	Not reported
Gen EPA ID:	Not reported
Gen Date:	Not reported
TSD Date:	Not reported
TSD EPA ID:	Not reported
GEN Copy Revd Date:	Not reported
TSG Copy Revd Date:	Not reported

ASHLAND DISTRIBUTION COMPANY (Continued) **1000276959**

Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

WI MANIFEST TRANS: -
Mifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported
TRAN Date: Not reported

Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 05
EPA ID: OHD074700311
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact First Name: Not reported
Contact Last Name: Not reported
Contact Title: Not reported
Contact Address: Not reported
Contact State: Not reported
Contact City: Not reported
Contact Zip: 0
Contact Telephone: 0
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -
Manifest DOC ID: Not reported
Copy Type: Not reported
Gen EPA ID: Not reported
Gen Date: Not reported
TSD Date: Not reported
TSD EPA ID: Not reported
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

ASHLAND DISTRIBUTION COMPANY (Continued) **1000276959**

WI MANIFEST TRANS: -
Mifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported
TRAN Date: Not reported

Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

SPILLS:
Spill No.: 9108-57-3380
Spill Year: 1991
Sequential Number: Not reported
Date Spill Reported: 08/12/91
Spill Month: 8
Spill Number: 3380
Reporter Name: OCO
Confidential: No
District Code: SW
County Code: 57
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: Not reported

Spill No.: 9108-57-3380
Spill Year: 1991
Sequential Number: Not reported
Date Spill Reported: 08/12/91
Spill Month: 8
Spill Number: 3380
Reporter Name: OCO
Confidential: No
District Code: SW
County Code: 57
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: Not reported

Spill No.: 9108-57-3380
Spill Year: 1991
Sequential Number: Not reported
Date Spill Reported: 08/12/91
Spill Month: 8
Spill Number: 3380
Reporter Name: OCO
Confidential: No
District Code: SW
County Code: 57
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: Not reported

ASHLAND DISTRIBUTION COMPANY (Continued) **1000276959**

Spill No.:	9108-57-3380
Spill Year:	1991
Sequential Number:	Not reported
Date Spill Reported:	08/12/91
Spill Month:	8
Spill Number:	3380
Reporter Name:	OCO
Confidential:	No
District Code:	SW
County Code:	57
Employee Number:	Not reported
Lat/Long:	Not reported
Product Spilled Name:	Not reported

Spill No.:	9108-57-3380
Spill Year:	1991
Sequential Number:	Not reported
Date Spill Reported:	08/12/91
Spill Month:	8
Spill Number:	3380
Reporter Name:	OCO
Confidential:	No
District Code:	SW
County Code:	57
Employee Number:	Not reported
Lat/Long:	Not reported
Product Spilled Name:	Not reported

Click this hyperlink while viewing on your computer to access additional OH SPILL: detail in the EDR Site Report.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
KETTERING	1000330794	SUNOCO SERVICE STATION	S DIXIE HWY	45429	FINDS,RCRA-NLR
DAYTON	1000705604	AUTO SOURCE	8361 SPRINGBORO PK	45401	RCRA-SQG,FINDS
MORAINE	1005873311	JOHN P. RAISCH, INC. HEMPLE ROAD C	HEMPLE ROAD	45439	FINDS,LF
KETTERING	1008374782	KETTERING RADIATOR	1457 STROOP RD	45429	RCRA-CESQG
DAYTON	1011484513	MORAINE MEADOWS ELEMENTARY SCHOOL	2600 HOLMAN ST	45439	FINDS
	M300005043	MORAINE MATERIALS CO.	SAND & GRAVEL PIT		MINES
DAYTON	S102882173	GENERAL MOTORS / DELCO MORAINE	ON E SIDE PLANT IN TANK TO PLA		SPILLS
DAYTON	S102883266	DAYTON WATER PLANT	3210 CHUCH WAGNORLONE		SPILLS
CENTERVILLE	S105245619	SWARTZ MULCH	2440 E LYTLE 5-POINT RD	45458	LF
DAYTON	S105733275	DAYTON LIME PLANT	SR 4 LIME LAGOON		SPILLS
MORAINE	S105859864	SOUTH DAYTON LDFL. AKA MORAINE REC	1975 SPRINGBORO PIKE		HIST LF
DAYTON	S106257944	GENERAL MOTORS / DELCO MORAINE	N/A		SPILLS
DAYTON	S106258547	GENERAL MOTORS / DELCO MORAINE	N/A		SPILLS
DAYTON	S106258548	GENERAL MOTORS / DELCO MORAINE	N/A		SPILLS
DAYTON	S106259647	DAYTON WATER PLANT	N/A		SPILLS
DAYTON	S106263508	GENERAL MOTORS / DELCO MORAINE	N/A		SPILLS
DAYTON	S106263691	GENERAL MOTORS / DELCO MORAINE	N/A		SPILLS
DAYTON	S106263694	GENERAL MOTORS / DELCO MORAINE	N/A		SPILLS
MORAINE	S106264659	GENERAL MOTORS / DELCO MORAINE	N/A		SPILLS
DAYTON	U004086210	BROWNIES TRANSPORATATION	4794 S DIXIE HWY - STE C	45439	UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 10/14/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 11/13/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 10/14/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 11/13/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 10/14/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 11/13/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/30/2009
Date Data Arrived at EDR: 08/11/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 41

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 11/23/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009
Date Data Arrived at EDR: 09/02/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 19

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 11/24/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/15/2009
Date Data Arrived at EDR: 09/22/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 48

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/16/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 08/31/2009
Date Data Arrived at EDR: 09/17/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 53

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/06/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: Ohio EPA
Telephone: 614-644-2924
Last EDR Contact: 11/16/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: N/A

DERR: Division of Emergency & Remedial Response's Database
The DERR listings contains sites from all of Ohio that are in the Division of Emergency and Remedial Response (DERR) database, which is an index of sites for which our district offices maintain files. The database is NOT a record of contaminated sites or sites suspected of contamination. Not all sites in the database are contaminated, and a site's absence from the database does not imply that it is uncontaminated.

Date of Government Version: 09/08/2009
Date Data Arrived at EDR: 09/08/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 13

Source: Ohio EPA, Div. of Emergency and Remedial Response
Telephone: 614-644-3538
Last EDR Contact: 11/23/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Licensed Solid Waste Facilities
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/19/2009
Date Data Arrived at EDR: 10/21/2009
Date Made Active in Reports: 11/10/2009
Number of Days to Update: 20

Source: Ohio Environmental Protection Agency
Telephone: 614-644-2621
Last EDR Contact: 10/19/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank File
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/09/2009
Date Data Arrived at EDR: 09/09/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 12

Source: Department of Commerce
Telephone: 614-752-7924
Last EDR Contact: 11/24/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Quarterly

UNREG LTANKS: Ohio Leaking UST File
A suspected or confirmed release of petroleum from a non-regulated UST.

Date of Government Version: 08/25/1999
Date Data Arrived at EDR: 08/19/2003
Date Made Active in Reports: 08/26/2003
Number of Days to Update: 7

Source: Department of Commerce
Telephone: 614-752-7938
Last EDR Contact: 08/01/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/24/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 26

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/24/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 57

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Semi-Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/24/2009
Date Data Arrived at EDR: 05/20/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 28

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/04/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 08/21/2009
Date Data Arrived at EDR: 10/06/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Tank File
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/17/2009
Date Data Arrived at EDR: 09/18/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 13

Source: Department of Commerce
Telephone: 614-752-7938
Last EDR Contact: 11/20/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 08/24/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 26

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 09/08/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/22/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/04/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/24/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/21/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 57

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 57

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Semi-Annually

State and tribal institutional control / engineering control registries

ENG CONTROLS: Sites with Engineering Controls
A database that tracks properties with engineering controls.

Date of Government Version: 08/31/2009
Date Data Arrived at EDR: 09/01/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 20

Source: Ohio EPA
Telephone: 614-644-2306
Last EDR Contact: 11/16/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Semi-Annually

INST CONTROL: Sites with Institutional Engineering Controls
A database that tracks properties with institutional controls.

Date of Government Version: 08/31/2009
Date Data Arrived at EDR: 09/01/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 20

Source: Ohio Environmental Protection Agency
Telephone: 614-644-2306
Last EDR Contact: 11/16/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Semi-Annually

HIST ENG CONTROLS: Operation & Maintenance Agreements Database
Volunteers that complete a voluntary action that relies on the ongoing operation and maintenance (O&M) of an engineered control to make the site protective (e.g" cap systems and ground water treatment systems) must enter into a legally binding agreement with the Ohio EPA before the director issues a covenant not to sue. This O&M Agreement must describe how the remedy is constructed and how itwill be monitored, maintained and repaired. It also lays out inspection opportunities for the agency. Companies must document that they have the financial capability to operate any remedy relied on, before the agency will agree to enter into the O&M Agreement. The statute requires that the agency be notified of any change in ownership. This database is no longer updated or maintained by the state agency.

Date of Government Version: 05/10/2005
Date Data Arrived at EDR: 04/04/2006
Date Made Active in Reports: 05/04/2006
Number of Days to Update: 30

Source: Ohio EPA
Telephone: 614-644-2306
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

HIST INST CONTROLS: Institutional Controls Database
"Institutional control" is a restriction that is recorded in the same manner as a deed which limits access to or use of the property such that exposure to hazardous substances or petroleum are effectively and reliably eliminated or mitigated. Examples of institutional controls include land and water use restrictions. This database is no longer updated or maintained by the state agency.

Date of Government Version: 05/10/2005
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/04/2006
Number of Days to Update: 28

Source: Ohio EPA
Telephone: 614-644-2306
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

State and tribal voluntary cleanup sites

VCP: Voluntary Action Program Sites
Site involved in the Voluntary Action Program.

Date of Government Version: 08/31/2009
Date Data Arrived at EDR: 09/01/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 20

Source: Ohio EPA, Voluntary Action Program
Telephone: 614-728-1298
Last EDR Contact: 11/16/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Ohio Brownfield Inventory
A statewide brownfields inventory. A brownfield is an abandoned, idled or under-used industrial or commercial property where expansion or redevelopment is complicated by known or potential releases of hazardous substances and/or petroleum.

Date of Government Version: 10/06/2009
Date Data Arrived at EDR: 10/06/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 17

Source: Ohio EPA
Telephone: 614-644-3748
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/01/2009
Date Data Arrived at EDR: 09/11/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 11/04/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 09/23/2009
Next Scheduled EDR Contact: 12/21/2009
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST LF: Old Solid Waste Landfill
A list of about 1200 old abandoned dumps or landfills. This database was developed from Ohio EPA staff notebooks and other information dating from the mid-1970s

Date of Government Version: 01/01/1980
Date Data Arrived at EDR: 07/01/2003
Date Made Active in Reports: 07/17/2003
Number of Days to Update: 16

Source: Ohio EPA
Telephone: 614-644-3749
Last EDR Contact: 06/26/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/09/2009
Next Scheduled EDR Contact: 02/22/2010
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/01/2009
Date Data Arrived at EDR: 06/22/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 91

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/26/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Locations
A list of clandestine drug lab sites with environmental impact. This list is extracted from the SPILLS database based on the "product" type.

Date of Government Version: 09/09/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 11

Source: Ohio EPA
Telephone: 614-644-2080
Last EDR Contact: 11/16/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

ARCHIVE UST: Archived Underground Storage Tank Sites
Underground storage tank records that have been removed from the Underground Storage Tank database.

Date of Government Version: 09/17/2009
Date Data Arrived at EDR: 09/18/2009
Date Made Active in Reports: 10/06/2009
Number of Days to Update: 18

Source: Department of Commerce, Division of State Fire Marshal
Telephone: 614-752-7938
Last EDR Contact: 11/20/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/18/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/02/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

LUCIS: Land Use Control Information System
LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/20/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/05/2009
Date Data Arrived at EDR: 10/05/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 35

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Annually

SPILLS: Emergency Response Database
Incidents reported to the Emergency Response Unit. The focus of the ER program is to minimize the impact on the environment from accidental releases, spills, and unauthorized discharges from any fixed or mobile sources. Incidents involving petroleum products, hazardous materials, hazardous waste, abandoned drums, or other materials which may pose as a pollution threat to the state?s water, land, or air should be reported immediately. Not all incidents included in the database are actual SPILLS, they can simply be reported incidents.

Date of Government Version: 09/09/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 11

Source: Ohio EPA
Telephone: 614-644-2084
Last EDR Contact: 11/16/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Varies

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 08/12/2009
Date Data Arrived at EDR: 08/27/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 96

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/10/2009
Next Scheduled EDR Contact: 02/22/2010
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 09/30/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 62

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/30/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 08/03/2009
Date Data Arrived at EDR: 10/27/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 13

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/06/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/01/2009
Date Data Arrived at EDR: 09/22/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/22/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 05/08/2009
Number of Days to Update: 1

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/30/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/07/2009
Date Data Arrived at EDR: 09/18/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 52

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/21/2009
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 04/09/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 69

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 12/01/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/30/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/30/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 05/19/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 125

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 11/02/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 08/21/2009
Date Data Arrived at EDR: 08/27/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 09/28/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/01/2009
Date Data Arrived at EDR: 10/21/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 41

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/21/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/06/2009
Date Data Arrived at EDR: 07/13/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 70

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/21/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/15/2009
Date Data Arrived at EDR: 10/16/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/16/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/19/2009
Date Data Arrived at EDR: 10/22/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 40

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 92

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/20/2009
Next Scheduled EDR Contact: 03/05/2010
Data Release Frequency: Biennially

TOWNGAS: DERR Towngas Database
The database includes 82 very old sites (circa 1895) which produced gas from coal for street lighting. Most visual evidence of these sites has disappeared, however the potential for buried coal tar remains. The database is no longer in active use.

Date of Government Version: 07/28/1992
Date Data Arrived at EDR: 02/21/2003
Date Made Active in Reports: 03/05/2003
Number of Days to Update: 12

Source: Ohio EPA
Telephone: 614-644-3749
Last EDR Contact: 02/12/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UIC: Underground Injection Wells Listing
A listing of underground injection well locations.

Date of Government Version: 09/03/2009
Date Data Arrived at EDR: 09/04/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 17

Source: Ohio EPA
Telephone: 614-644-2752
Last EDR Contact: 11/30/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing
A listing of drycleaner facility locations.

Date of Government Version: 10/07/2009
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 14

Source: Ohio EPA
Telephone: 614-644-3469
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

NPDES: NPDES General Permit List
General information regarding NPDES (National Pollutant Discharge Elimination System) permits.

Date of Government Version: 08/28/2009
Date Data Arrived at EDR: 09/01/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 20

Source: Ohio EPA
Telephone: 614-644-2031
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Semi-Annually

AIRS: Title V Permits Listing
A listing of Title V Permits issued by the Division of Air Pollution Control. It is a federal operating permit program adopted and implemented by the state. The basic program elements typically specify that major sources will submit an operating application to the specified state environmental regulatory agency according to a schedule.

Date of Government Version: 09/30/2009
Date Data Arrived at EDR: 10/01/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 22

Source: Ohio EPA
Telephone: 614-644-2270
Last EDR Contact: 09/30/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Varies

USD: Urban Setting Designation Sites
A USD may be requested for properties participating in the VAP when there is no current or future use of the ground water by local residents for drinking, showering, bathing or cooking. In these areas, an approved USD would lower the cost of cleanup and promote economic redevelopment while still protecting public health and safety. If these USDs were to be approved, the ground water cleanup or response requirements for the areas could be lessened. The Ohio EPA director may approve a USD request based on a demonstration that the USD requirements are met and an evaluation of existing and future uses of ground water in the area. The Ohio EPA director's decision on approval or denial of the request is needed before cleanup requirements for the site can be determined.

Date of Government Version: 08/31/2009
Date Data Arrived at EDR: 09/01/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 20

Source: Ohio EPA
Telephone: 614-644-3749
Last EDR Contact: 11/16/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Varies

HIST USD: Urban Setting Designations Database

A USD may be requested for properties participating in the VAP when there is no current or future use of the ground water by local residents for drinking, showering, bathing or cooking. In these areas, an approved USD would lower the cost of cleanup and promote economic redevelopment while still protecting public health and safety. If these USDs were to be approved, the ground water cleanup or response requirements for the areas could be lessened. The Ohio EPA director may approve a USD request based on a demonstration that the USD requirements are met and an evaluation of existing and future uses of ground water in the area. The Ohio EPA director's decision on approval or denial of the request is needed before cleanup requirements for the site can be determined. This database is no longer updated or maintained by the state agency.

Date of Government Version: 05/10/2005
Date Data Arrived at EDR: 04/25/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 16

Source: Ohio EPA
Telephone: 614-644-3749
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 09/09/2009
Date Data Arrived at EDR: 09/09/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/09/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/13/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 01/23/2009
Date Data Arrived at EDR: 06/26/2009
Date Made Active in Reports: 07/06/2009
Number of Days to Update: 10

Source: Ohio EPA
Telephone: 614-644-2134
Last EDR Contact: 10/19/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/24/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 05/05/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 17

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/20/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/28/2009
Date Data Arrived at EDR: 08/27/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 25

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/10/2009
Next Scheduled EDR Contact: 02/22/2010
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/11/2008
Date Made Active in Reports: 10/02/2008
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 11/23/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 06/01/2009
Date Data Arrived at EDR: 06/12/2009
Date Made Active in Reports: 06/29/2009
Number of Days to Update: 17

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/30/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/09/2009
Date Made Active in Reports: 05/20/2009
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 07/17/2009
Date Made Active in Reports: 08/10/2009
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/24/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Child Day Care Facilities
Source: Department of Job & Family Services
Telephone: 614-466-6282

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Natural Resources
Telephone: 614-265-1044

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MLC 1202 GM MORAINE ASSEMBLY PLANT
2601 STROOP ROAD
DAYTON, OH 45439

TARGET PROPERTY COORDINATES

Latitude (North):	39.69750 - 39˚ 41’ 51.0’’
Longitude (West):	84.2182 - 84˚ 13’ 5.5’’
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	738521.8
UTM Y (Meters):	4397674.0
Elevation:	729 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	39084-F2 DAYTON SOUTH, OH
Most Recent Revision:	1991

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

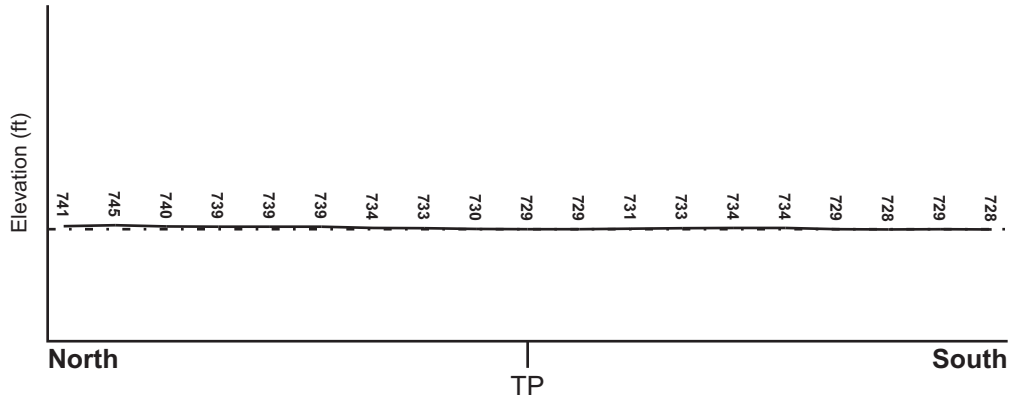
TOPOGRAPHIC INFORMATION

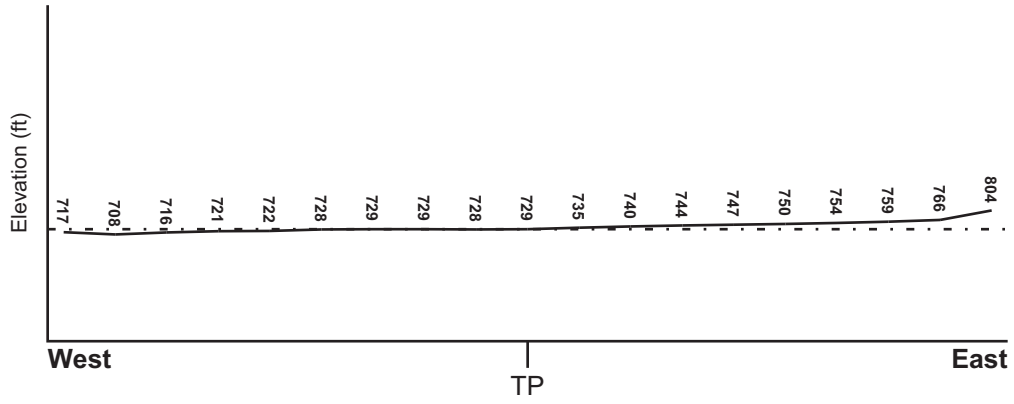
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 729 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
MONTGOMERY, OH	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	3904140005B
Additional Panels in search area:	3904120005B 3904120015B 3907750035C 3904190005C

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
DAYTON SOUTH	Not Available

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
33	1/4 - 1/2 Mile SSW	SSW
N54	1/2 - 1 Mile South	SW
117	1/2 - 1 Mile North	SE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

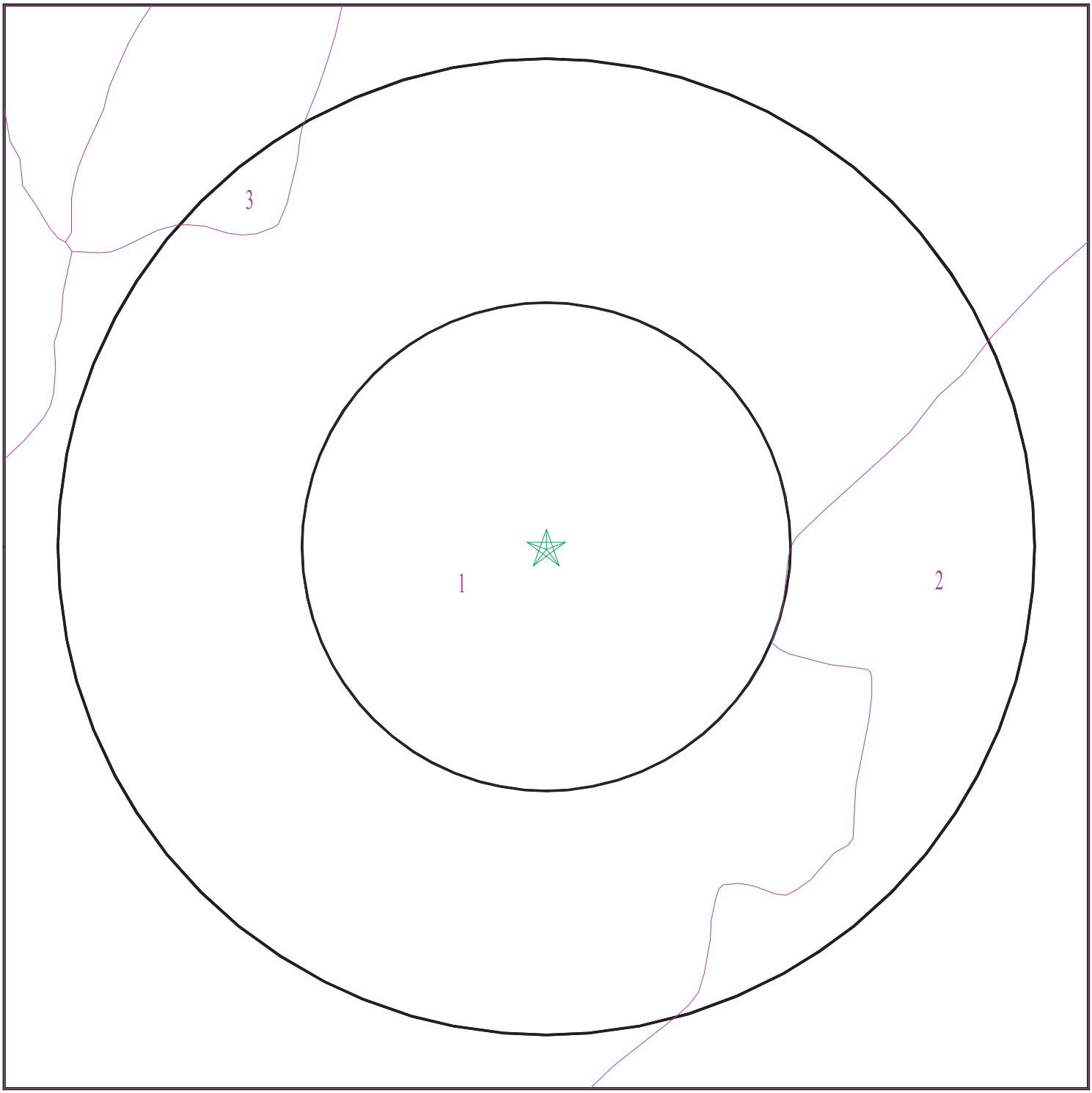
Era:	Paleozoic
System:	Ordovician
Series:	Upper Ordovician (Cincinnatian)
Code:	O3 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 2648305.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME: MLC 1202 GM Moraine Assembly Plant ADDRESS: 2601 Stroop Road Dayton OH 45439 LAT/LONG: 39.6975 / 84.2182	CLIENT: LFR Inc. CONTACT: Todd Aebie INQUIRY #: 2648305.2s DATE: December 02, 2009 2:02 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Ockley

Soil Surface Texture:
Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: Made land

Soil Surface Texture:
Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
K44	USGS2316398	1/2 - 1 Mile SE
J45	USGS2316399	1/2 - 1 Mile West
46	USGS2316396	1/2 - 1 Mile SSE
94	USGS2316401	1/2 - 1 Mile West
X110	USGS2316389	1/2 - 1 Mile SSE
T112	USGS2316411	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
34	OH5701315	1/4 - 1/2 Mile ESE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	OHD400000017834	0 - 1/8 Mile SSE
A2	OHD400000017783	0 - 1/8 Mile SSE
B3	OHD400000017971	1/8 - 1/4 Mile NNW
B4	OHD400000017980	1/8 - 1/4 Mile NNW
C5	OHD400000017792	1/8 - 1/4 Mile ESE
C6	OHD400000017791	1/8 - 1/4 Mile ESE
C7	OHD400000017790	1/8 - 1/4 Mile ESE
C8	OHD400000017795	1/8 - 1/4 Mile ESE
C9	OHD400000017794	1/8 - 1/4 Mile ESE
C10	OHD400000017793	1/8 - 1/4 Mile ESE
B11	OHD400000018026	1/8 - 1/4 Mile NNW
D12	OHD400000017716	1/8 - 1/4 Mile SW
D13	OHD400000017706	1/8 - 1/4 Mile SW
E14	OHD400000017656	1/4 - 1/2 Mile SSE
E15	OHD400000017657	1/4 - 1/2 Mile SSE
16	OHD400000018007	1/4 - 1/2 Mile NW
17	OHD400000017803	1/4 - 1/2 Mile West
18	OHD400000018126	1/4 - 1/2 Mile NNE
F19	OHD400000017734	1/4 - 1/2 Mile WSW
G20	OHD400000018140	1/4 - 1/2 Mile NW
G21	OHD400000018141	1/4 - 1/2 Mile NW
F22	OHD400000017726	1/4 - 1/2 Mile WSW
F23	OHD400000017727	1/4 - 1/2 Mile WSW
H24	OHD400000017571	1/4 - 1/2 Mile SSW
H25	OHD400000017566	1/4 - 1/2 Mile SSW
26	OHD400000017664	1/4 - 1/2 Mile SW
H27	OHPW40000000953	1/4 - 1/2 Mile South
28	OHD400000017840	1/4 - 1/2 Mile West
29	OHD400000017501	1/4 - 1/2 Mile SSE
30	OHWT30000000437	1/4 - 1/2 Mile SSW
31	OHD400000017757	1/4 - 1/2 Mile WSW
32	OHD400000017611	1/4 - 1/2 Mile SW
35	OHD400000017857	1/2 - 1 Mile East
36	OHD400000017424	1/2 - 1 Mile South
37	OHD400000018130	1/2 - 1 Mile ENE
I38	OHD400000018218	1/2 - 1 Mile NW
I39	OHD400000018178	1/2 - 1 Mile NW
J40	OHD400000017780	1/2 - 1 Mile West
J41	OHD400000017781	1/2 - 1 Mile West
K42	OHD400000017470	1/2 - 1 Mile SE
K43	OHD400000017471	1/2 - 1 Mile SE
47	OHD400000017469	1/2 - 1 Mile SW
L48	OHD400000017364	1/2 - 1 Mile South

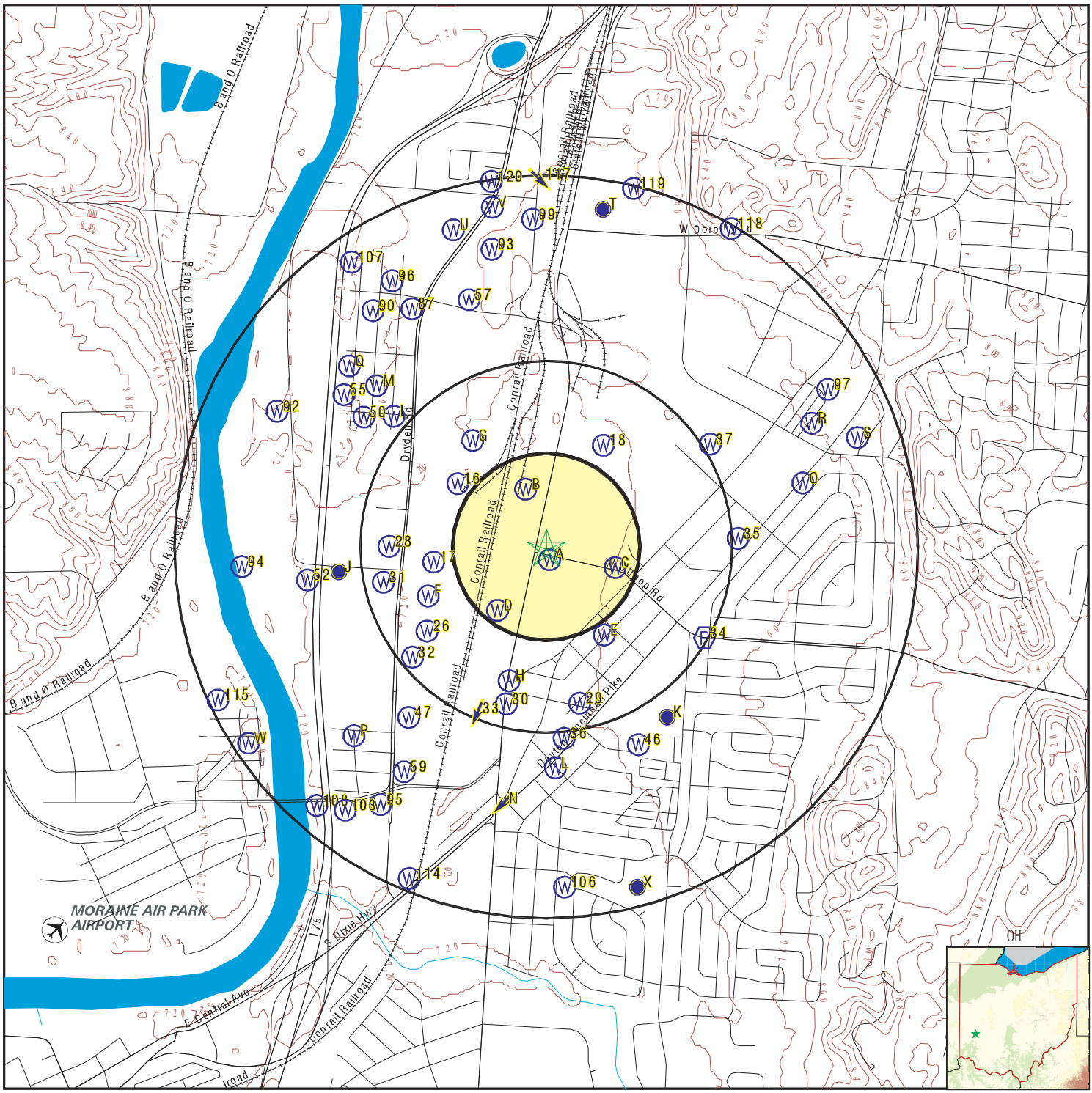
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
L49	OHD400000017365	1/2 - 1 Mile South
50	OHD400000018194	1/2 - 1 Mile NW
M51	OHD400000018263	1/2 - 1 Mile NW
52	OHD400000017761	1/2 - 1 Mile West
M53	OHD400000018257	1/2 - 1 Mile NW
55	OHD400000018243	1/2 - 1 Mile NW
O56	OHD400000018033	1/2 - 1 Mile ENE
57	OHD400000018452	1/2 - 1 Mile NNW
P58	OHD400000017429	1/2 - 1 Mile SW
59	OHD400000017352	1/2 - 1 Mile SSW
Q60	OHD400000018309	1/2 - 1 Mile NW
Q61	OHD400000018308	1/2 - 1 Mile NW
Q62	OHD400000018307	1/2 - 1 Mile NW
Q63	OHD400000018312	1/2 - 1 Mile NW
Q64	OHD400000018311	1/2 - 1 Mile NW
Q65	OHD400000018310	1/2 - 1 Mile NW
Q66	OHD400000018303	1/2 - 1 Mile NW
Q67	OHD400000018302	1/2 - 1 Mile NW
Q68	OHD400000018301	1/2 - 1 Mile NW
Q69	OHD400000018306	1/2 - 1 Mile NW
Q70	OHD400000018305	1/2 - 1 Mile NW
Q71	OHD400000018304	1/2 - 1 Mile NW
Q72	OHD400000018313	1/2 - 1 Mile NW
Q73	OHD400000018322	1/2 - 1 Mile NW
Q74	OHD400000018321	1/2 - 1 Mile NW
Q75	OHD400000018320	1/2 - 1 Mile NW
Q76	OHD400000018325	1/2 - 1 Mile NW
Q77	OHD400000018324	1/2 - 1 Mile NW
Q78	OHD400000018323	1/2 - 1 Mile NW
Q79	OHD400000018316	1/2 - 1 Mile NW
Q80	OHD400000018315	1/2 - 1 Mile NW
Q81	OHD400000018314	1/2 - 1 Mile NW
Q82	OHD400000018319	1/2 - 1 Mile NW
Q83	OHD400000018318	1/2 - 1 Mile NW
Q84	OHD400000018317	1/2 - 1 Mile NW
N85	OHD400000017139	1/2 - 1 Mile South
O86	OHD400000017994	1/2 - 1 Mile ENE
87	OHD400000018434	1/2 - 1 Mile NNW
P88	OHD400000017432	1/2 - 1 Mile SW
R89	OHPW40000000965	1/2 - 1 Mile ENE
90	OHD400000018433	1/2 - 1 Mile NW
R91	OHWT30000000444	1/2 - 1 Mile ENE
92	OHD400000018206	1/2 - 1 Mile WNW
93	OHD400000018556	1/2 - 1 Mile North
95	OHD400000017163	1/2 - 1 Mile SSW
96	OHD400000018484	1/2 - 1 Mile NNW
97	OHD400000018255	1/2 - 1 Mile ENE
S98	OHD400000018136	1/2 - 1 Mile ENE
99	OHD400000018628	1/2 - 1 Mile North
T100	OHD400000018620	1/2 - 1 Mile North
U101	OHD400000018597	1/2 - 1 Mile NNW
U102	OHD400000018598	1/2 - 1 Mile NNW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
103	OHD400000017144	1/2 - 1 Mile SW
V104	OHD400000018632	1/2 - 1 Mile North
S105	OHD400000018162	1/2 - 1 Mile ENE
106	OHD400000016931	1/2 - 1 Mile South
107	OHD400000018528	1/2 - 1 Mile NW
108	OHD400000017157	1/2 - 1 Mile SW
W109	OHD400000017428	1/2 - 1 Mile WSW
X111	OHD400000016933	1/2 - 1 Mile SSE
V113	OHD400000018696	1/2 - 1 Mile North
114	OHD400000016966	1/2 - 1 Mile SSW
115	OHD400000017510	1/2 - 1 Mile WSW
W116	OHD400000017398	1/2 - 1 Mile SW
118	OHD400000018600	1/2 - 1 Mile NNE
119	OHD400000018717	1/2 - 1 Mile NNE
120	OHD400000018731	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 2648305.2s



County Boundary
Major Roads
Contour Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location

0 1/4 1/2 1 Miles

N

SITE NAME: MLC 1202 GM Moraine Assembly Plant ADDRESS: 2601 Stroop Road Dayton OH 45439 LAT/LONG: 39.6975 / 84.2182	CLIENT: LFR Inc. CONTACT: Todd Aebie INQUIRY #: 2648305.2s DATE: December 02, 2009 2:02 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **SSE** **0 - 1/8 Mile** **Higher**	**OH WELLS**	**OHD400000017834**

Oid :	753584		
Well log n:	2013409		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	STROOP	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	Not Reported		
Well loc d:	GM-75D		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.697333		
Longitude:	-84.218167		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	06/26/2008
Cas ht:	0		
Screen len:	10		
Total dept:	95		
Date of co:	09/20/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		

Screened i:	95		
Screened 1:	85		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017834		

A2
SSE
0 - 1/8 Mile
Higher

OH WELLS **OHD400000017783**

Oid :	286452		
Well log n:	9957677		
Well type :	WATER WELL		
End user i:	2166		
Cnty code:	113	Twp code:	2925
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE DIV.GM
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1945	Loc area:	Not Reported
Loc no:	149		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	Not Reported	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1516576.15		
Horiz y:	622476.87		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.696536		
Longitude:	-84.218011		
Source of :	Digitized	Flowing we:	N
Test rate:	1500		
Draw down:	9		
Draw down :	10		
S water le:	26		
S water me:	Not Reported	S water 1:	04/20/2003

Cas ht:	0		
Screen len:	0		
Total dept:	123		
Date of co:	06/13/1946	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	N END OF OFFICE		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017783		

B3
NNW
1/8 - 1/4 Mile
Higher

OH WELLS **OHD400000017971**

Oid :	296277		
Well log n:	210162		
Well type :	WATER WELL		
End user i:	0		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE DIV GMC
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	62		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	Not Reported	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1516287.78		
Horiz y:	623542.04		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	730		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.699445		
Longitude:	-84.219108		
Source of :	Digitized	Flowing we:	N
Test rate:	1000		
Draw down:	4.5		
Draw down :	.5		
S water le:	32		
S water me:	Not Reported	S water 1:	04/28/2006
Cas ht:	0		
Screen len:	0		
Total dept:	150		
Date of co:	11/07/1959	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	698		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017971		

B4
NNW
1/8 - 1/4 Mile
Higher

OH WELLS **OHD400000017980**

Oid :	286420		
Well log n:	9957644		
Well type :	WATER WELL		
End user i:	1532		
Cnty code:	113	Twp code:	2925
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE CORP
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND/GRAVEL/BOULDERS
Loc map ye:	1945	Loc area:	Not Reported
Loc no:	49		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	17		
St dir cod:	Not Reported		
St no:	0		
St name:	Not Reported	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1516288.83		
Horiz y:	623563.47		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.699504		
Longitude:	-84.219105		
Source of :	Digitized	Flowing we:	N
Test rate:	1200		
Draw down:	0		
Draw down :	0		
S water le:	23		
S water me:	Not Reported	S water 1:	07/18/2003
Cas ht:	0		
Screen len:	0		
Total dept:	108		
Date of co:	07/26/1934	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017980		

C5
ESE
1/8 - 1/4 Mile
Higher

OH WELLS **OHD400000017792**

Oid :	779168		
Well log n:	2020490		
Well type :	WATER WELL		
End user i:	4249		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2601		
St name:	STROOP	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	GM-69		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.69663		
Longitude:	-84.21478		
Source of :	MAP-OTHERS	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	25		
S water me:	G	S water 1:	04/20/2003
Cas ht:	0		
Screen len:	10		
Total dept:	100		
Date of co:	04/09/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		
Screened i:	100		
Screened 1:	90		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017792		

Map ID Direction Distance Elevation	Database	EDR ID Number
C6 **ESE** **1/8 - 1/4 Mile** **Higher**	**OH WELLS**	**OHD400000017791**

Oid :	779167		
Well log n:	2020489		
Well type :	WATER WELL		
End user i:	4249		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2601		
St name:	STROOP	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	GM-67S		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.69663		
Longitude:	-84.21478		
Source of :	MAP-OTHERS	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	30		
S water me:	G	S water 1:	04/20/2003
Cas ht:	0		
Screen len:	10		
Total dept:	54		
Date of co:	04/04/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		

Screened i:	54		
Screened 1:	44		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017791		

C7
ESE
1/8 - 1/4 Mile
Higher

OH WELLS **OHD400000017790**

Oid :	779166		
Well log n:	2020488		
Well type :	WATER WELL		
End user i:	4249		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2601		
St name:	STROOP	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	GM-67D		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.69663		
Longitude:	-84.21478		
Source of :	MAP-OTHERS	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	30		
S water me:	G	S water 1:	04/20/2003

Cas ht:	0		
Screen len:	10		
Total dept:	80		
Date of co:	04/04/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		
Screened i:	80		
Screened 1:	70		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017790		

C8
ESE
1/8 - 1/4 Mile
Higher

OH WELLS **OHD400000017795**

Oid :	779171		
Well log n:	2020493		
Well type :	WATER WELL		
End user i:	4249		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2601		
St name:	STROOP	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	GM-70		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.69663		
Longitude:	-84.21478		
Source of :	MAP-OTHERS	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	30		
S water me:	G	S water 1:	04/20/2003
Cas ht:	0		
Screen len:	10		
Total dept:	82		
Date of co:	04/12/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		
Screened i:	72		
Screened 1:	82		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017795		

C9
ESE
1/8 - 1/4 Mile
Higher

OH WELLS **OHD400000017794**

Oid :	779170		
Well log n:	2020492		
Well type :	WATER WELL		
End user i:	4249		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2601		
St name:	STROOP	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH

Zip:	45439		
Well loc d:	GM-66		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.69663		
Longitude:	-84.21478		
Source of :	MAP-OTHERS	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	30		
S water me:	G	S water 1:	04/20/2003
Cas ht:	0		
Screen len:	10		
Total dept:	37		
Date of co:	04/12/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		
Screened i:	55		
Screened 1:	45		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017794		

C10
ESE
1/8 - 1/4 Mile
Higher

OH WELLS **OHD400000017793**

Oid :	779169		
Well log n:	2020491		
Well type :	WATER WELL		
End user i:	4249		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2601		
St name:	STROOP	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	GM-68S		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.69663		
Longitude:	-84.21478		
Source of :	MAP-OTHERS	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	29		
S water me:	G	S water 1:	04/20/2003
Cas ht:	0		
Screen len:	10		
Total dept:	49.5		
Date of co:	04/12/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		
Screened i:	49.5		
Screened 1:	39.5		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017793		

Map ID Direction Distance Elevation	Database	EDR ID Number
B11 **NNW** **1/8 - 1/4 Mile** **Higher**	**OH WELLS**	**OHD400000018026**

Oid :	296276		
Well log n:	420737		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE DIV GMC
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	BOULDERS
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	61		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	16		
St dir cod:	Not Reported		
St no:	0		
St name:	SPRINGBORO	St type co:	PI
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1516133.43		
Horiz y:	623784.88		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	730		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.700104		
Longitude:	-84.219673		
Source of :	Digitized	Flowing we:	N
Test rate:	1200		
Draw down:	8		
Draw down :	3		
S water le:	84		
S water me:	Not Reported	S water 1:	04/24/2008
Cas ht:	0		
Screen len:	0		
Total dept:	205		
Date of co:	06/18/1973	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	646		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018026		

D12
SW
1/8 - 1/4 Mile
Higher

OH WELLS **OHD400000017716**

Oid :	788097		
Well log n:	2015258		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	SPRINGBORO	St type co:	PI
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	GM-82		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.69511		
Longitude:	-84.22089		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	09/11/2003

Cas ht:	0		
Screen len:	10		
Total dept:	120		
Date of co:	02/21/2008	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		
Screened i:	95		
Screened 1:	85		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	GLOBAL POSITION SYSTEM		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017716		

D13
SW
1/8 - 1/4 Mile
Higher

OH WELLS **OHD400000017706**

Oid :	776784		
Well log n:	9957650		
Well type :	WATER WELL		
End user i:	2166		
Cnty code:	113	Twp code:	2925
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE DIV.GM CO
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	CLAY and HARDPAN
Loc map ye:	1945	Loc area:	Not Reported
Loc no:	96		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	Not Reported	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1515854.48		
Horiz y:	621862.69		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.694813		
Longitude:	-84.220534		
Source of :	Digitized	Flowing we:	N
Test rate:	1200		
Draw down:	10.3		
Draw down :	0		
S water le:	25		
S water me:	Not Reported	S water 1:	10/31/2008
Cas ht:	0		
Screen len:	0		
Total dept:	119		
Date of co:	01/01/1935	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017706		

E14
SSE
1/4 - 1/2 Mile
Higher

OH WELLS **OHD400000017656**

Oid :	753586		
Well log n:	2013411		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	4109		
St name:	FULTON	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH

Zip:	Not Reported		
Well loc d:	GM-77S		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.694		
Longitude:	-84.215333		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	08/15/2004
Cas ht:	0		
Screen len:	10		
Total dept:	43		
Date of co:	09/12/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		
Screened i:	43		
Screened 1:	33		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017656		

E15
SSE **OH WELLS** **OHD400000017657**
1/4 - 1/2 Mile
Higher

Oid :	753587		
Well log n:	2013412		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	4109		
St name:	FULTON	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	Not Reported		
Well loc d:	GM-77D		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.694		
Longitude:	-84.215333		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	08/15/2004
Cas ht:	0		
Screen len:	10		
Total dept:	87		
Date of co:	09/11/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		
Screened i:	87		
Screened 1:	77		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017657		

Map ID Direction Distance Elevation	Database	EDR ID Number
16 **NW** **1/4 - 1/2 Mile** **Higher**	**OH WELLS**	**OHD400000018007**

Oid :	768970		
Well log n:	420730		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE DIV GENER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	BEDROCK
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	58		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1515275.8		
Horiz y:	623728.02		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	730		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.699903		
Longitude:	-84.222716		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	80		
S water me:	Not Reported	S water 1:	11/19/2007
Cas ht:	0		
Screen len:	0		
Total dept:	201		
Date of co:	06/18/1973	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	650		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018007		

17
West
1/4 - 1/2 Mile
Higher

OH WELLS **OHD400000017803**

Oid :	286450		
Well log n:	9957675		
Well type :	WATER WELL		
End user i:	2166		
Cnty code:	113	Twp code:	2925
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE DIV.
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1945	Loc area:	Not Reported
Loc no:	147		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	Not Reported	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514911.09		
Horiz y:	622620.27		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.696843		
Longitude:	-84.223937		
Source of :	Digitized	Flowing we:	N
Test rate:	1200		
Draw down:	14		
Draw down :	12		
S water le:	23		
S water me:	Not Reported	S water 1:	04/20/2003

Cas ht:	0		
Screen len:	0		
Total dept:	122		
Date of co:	07/19/1946	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	BY PLANT A TUNNEL		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017803		

18
NNE
1/4 - 1/2 Mile
Higher

OH WELLS **OHD400000018126**

Oid :	742743		
Well log n:	342964		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE DIV GMC
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SHALE
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	60		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	SPRINGBORO	St type co:	PI
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1517350.55		
Horiz y:	624233.14		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	738.45		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.701398		
Longitude:	-84.215378		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	61		
S water me:	Not Reported	S water 1:	02/27/2008
Cas ht:	0		
Screen len:	0		
Total dept:	204		
Date of co:	08/29/1966	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	677		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018126		

F19
WSW
1/4 - 1/2 Mile
Higher

OH WELLS **OHD400000017734**

Oid :	683152		
Well log n:	980530		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1765
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	AUGER	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	CLAY AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	4100		
St name:	SPRINGBORO	St type co:	PI
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH

Zip:	45439		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514949.57		
Horiz y:	622174.07		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.69562		
Longitude:	-84.22377		
Source of :	GPS	Flowing we:	Not Reported
Test rate:	2		
Draw down:	0		
Draw down :	2.5		
S water le:	22.2		
S water me:	Not Reported	S water 1:	08/16/2004
Cas ht:	0		
Screen len:	10		
Total dept:	50		
Date of co:	08/09/2004	Located in:	Not Reported
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		
Screened i:	30		
Screened 1:	40		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017734		

G20
NW
1/4 - 1/2 Mile
Higher

OH WELLS **OHD400000018140**

Oid :	296274		
Well log n:	420731		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE DIV GENER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	57		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1515499.75		
Horiz y:	624337.19		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	734.63		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.701586		
Longitude:	-84.221962		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	75		
S water me:	Not Reported	S water 1:	12/17/2005
Cas ht:	0		
Screen len:	0		
Total dept:	190		
Date of co:	06/18/1973	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	660		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018140		

Map ID Direction Distance Elevation	Database	EDR ID Number
G21 **NW** **1/4 - 1/2 Mile** **Higher**	**OH WELLS**	**OHD400000018141**

Oid :	724012		
Well log n:	420732		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE DIV GENER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	BEDROCK
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	57		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1515499.75		
Horiz y:	624337.19		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.701586		
Longitude:	-84.221962		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	12/17/2005
Cas ht:	0		
Screen len:	0		
Total dept:	201		
Date of co:	06/18/1973	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018141		

F22
WSW
1/4 - 1/2 Mile
Higher

OH WELLS **OHD400000017726**

Oid :	296278		
Well log n:	420709		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE DIV #42
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	63		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514762.95		
Horiz y:	622123.43		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	723.54		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.695471		
Longitude:	-84.22443		
Source of :	Digitized	Flowing we:	N
Test rate:	2219		
Draw down:	14		
Draw down :	5.5		
S water le:	69		
S water me:	Not Reported	S water 1:	01/24/2006

Cas ht:	0		
Screen len:	0		
Total dept:	185		
Date of co:	09/01/1971	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	655		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017726		

F23
WSW
1/4 - 1/2 Mile
Higher

OH WELLS **OHD400000017727**

Oid :	296279		
Well log n:	420710		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE DIV #42
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	BEDROCK
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	63		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514762.95		
Horiz y:	622123.43		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.695471		
Longitude:	-84.22443		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	01/24/2006
Cas ht:	0		
Screen len:	0		
Total dept:	193		
Date of co:	09/01/1971	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017727		

H24
SSW
1/4 - 1/2 Mile
Higher

OH WELLS **OHD400000017571**

Oid :	785985		
Well log n:	2013833		
Well type :	WATER WELL		
End user i:	1407		
Cnty code:	113	Twp code:	2925
Orig owner:	Not Reported	Orig own 1:	PRIORITY TOWING
Drill type:	AUGER	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2828		
St name:	SPRINGBORO	St type co:	PI
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.692464		
Longitude:	-84.220344		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	40		
S water me:	Not Reported	S water 1:	10/29/2007
Cas ht:	0		
Screen len:	10		
Total dept:	40		
Date of co:	10/29/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		
Screened i:	40		
Screened 1:	30		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017571		

H25
SSW
1/4 - 1/2 Mile
Higher

OH WELLS **OHD400000017566**

Oid :	785986		
Well log n:	2013834		
Well type :	WATER WELL		
End user i:	1407		
Cnty code:	113	Twp code:	2925
Orig owner:	Not Reported	Orig own 1:	PRIORITY TOWING
Drill type:	AUGER	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2828		
St name:	SPRINGBORO	St type co:	PI
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.692336		
Longitude:	-84.220344		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	40		
S water me:	Not Reported	S water 1:	10/30/2007
Cas ht:	0		
Screen len:	300		
Total dept:	40		
Date of co:	10/30/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		
Screened i:	40		
Screened 1:	30		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017566		

Map ID Direction Distance Elevation	Database	EDR ID Number
26 **SW** **1/4 - 1/2 Mile** **Higher**	**OH WELLS**	**OHD400000017664**

Oid :	683669		
Well log n:	980531		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1765
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	AUGER	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	CLAY AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	4100		
St name:	SPRINGBORO	St type co:	PI
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514798.67		
Horiz y:	621641.42		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.69415		
Longitude:	-84.22427		
Source of :	GPS	Flowing we:	Not Reported
Test rate:	2		
Draw down:	0		
Draw down :	2		
S water le:	22.1		
S water me:	Not Reported	S water 1:	08/16/2004
Cas ht:	0		
Screen len:	10		
Total dept:	61		
Date of co:	08/04/2004	Located in:	Not Reported
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		

Screened i:	51		
Screened 1:	61		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017664		

H27
South
1/4 - 1/2 Mile
Higher

OH WELLS **OHPW40000000953**

County:	MONTGOMERY	Pwsid:	OH5749512
Well num:	16066	Well name:	UPPER DECK TAVERN WELL 0001
Dnr wl log:	Not Reported	Wl avail:	PERMANENT
Act date:	12/01/2004	Wl status:	Active
Sys status:	Active	Sys name:	UPPER DECK TAVERN PWS
Sys type:	Transient Non-Community water systems		
Src type:	ground water		
Latitude:	39.691888		
Longitude:	-84.219637		
Accuracy:	25		
Ll colmeth:	INTERPOLATION - PHOTO		
Hdatum:	NAD 83		
Verify met:	VERIFIED RELATIVE TO MAP FEATURES (1:24,000)		
Site id:	OHPW40000000953		

28
West
1/4 - 1/2 Mile
Lower

OH WELLS **OHD400000017840**

Oid :	295479		
Well log n:	525223		
Well type :	WATER WELL		
End user i:	1209		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	MID-STATE DEVELOPMEN
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	12		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	17		
St dir cod:	Not Reported		
St no:	3265		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514281.93		
Horiz y:	622854.98		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	728.57		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.697454		
Longitude:	-84.226189		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	10		
Draw down :	4		
S water le:	46		
S water me:	Not Reported	S water 1:	06/26/2008
Cas ht:	0		
Screen len:	0		
Total dept:	85		
Date of co:	05/24/1979	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	683		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017840		

29
SSE
1/4 - 1/2 Mile
Higher

OH WELLS **OHD400000017501**

Oid :	788100		
Well log n:	2015261		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	BLANCHARD	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	CORNER OF BLANCHARD AND ELLERY		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.69134		
Longitude:	-84.21657		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	06/23/2005
Cas ht:	0		
Screen len:	10		
Total dept:	107		
Date of co:	02/14/2008	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	TEMPORARY 9.25" DIAMETER DRILLED TO 76 FT. DEPTH MW-84		
Well seal :	0		
Screen slo:	.01		
Screened i:	107		
Screened 1:	97		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	GLOBAL POSITION SYSTEM		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017501		

Map ID Direction Distance Elevation	Database	EDR ID Number
30 **SSW** **1/4 - 1/2 Mile** **Higher**	**OH WELLS**	**OHWT30000000437**

County:	MONTGOMERY	Pwsid:	OH5749512
Wtp num:	5933	Wtp name:	UPPER DECK TAVERN
Tp avail:	PERMANENT	Wtr type:	ground water
Wtpdsn cap:	1		
Notreat in:	Not Reported	Wtr body n:	Not Reported
Wtp status:	Active	Sys status:	Active
Sys name:	UPPER DECK TAVERN PWS	Sys type:	Transient Non-Community water systems
Src type:	ground water	First name:	DEBBIE
Last name:	MILLER	Title:	Not Reported
Address1:	2651 BLANCHARD ST		
Address2:	Not Reported		
City:	MORAINE	State:	OH
Zip:	45439	Phone:	937-298-3929
Emg phone:	Not Reported		
Latitude:	39.691369		
Longitude:	-84.220208		
Accuracy:	500		
Ll colmeth:	INTERPOLATION - MAP		
Hdatum:	NAD 27		
Verify met:	VERIFIED, UNKNOWN METHOD		
Site id:	OHWT30000000437		

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31 **WSW** **1/4 - 1/2 Mile** **Lower**	**OH WELLS**	**OHD400000017757**

Oid :	296275		
Well log n:	374378		
Well type :	WATER WELL		
End user i:	1209		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	SIX INDUSTRIES
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	59		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	E		
St no:	0		
St name:	EAST RIVER	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514192.43		
Horiz y:	622348.12		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	720		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.696058		
Longitude:	-84.226472		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	9		
Draw down :	0		
S water le:	34		
S water me:	Not Reported	S water 1:	04/08/2005
Cas ht:	0		
Screen len:	0		
Total dept:	80		
Date of co:	07/11/1969	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	686		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017757		

32
SW
1/4 - 1/2 Mile
Higher

OH WELLS **OHD400000017611**

Oid :	296280		
Well log n:	420708		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	FRIGIDAIRE DIV #41
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	BEDROCK
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	64		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514586.74		
Horiz y:	621275.54		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	729.14		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.693135		
Longitude:	-84.224998		
Source of :	Digitized	Flowing we:	N
Test rate:	2461		
Draw down:	21		
Draw down :	10		
S water le:	67		
S water me:	Not Reported	S water 1:	10/22/2003
Cas ht:	0		
Screen len:	0		
Total dept:	194		
Date of co:	08/31/1971	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	662		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017611		

Map ID Direction Distance Elevation			Database	EDR ID Number
33 **SSW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	579907-01 SSW Not Reported Not Reported 20 7/91	**AQUIFLOW**	**12862**

34
ESE
1/4 - 1/2 Mile
Higher

FRDS PWS **OH5701315**

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	101502		
Facility name:	Montgomery Co:Water Syst WELL 0002		
Facility type:	Well	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	101504		
Facility name:	Montgomery Co:Water Syst WELL 0014		
Facility type:	Well	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	101506		
Facility name:	Montgomery Co:Water Syst WELL 0015		
Facility type:	Well	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		

Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	101508		
Facility name:	Montgomery Co:Water Syst WELL 0016		
Facility type:	Well	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	101510		
Facility name:	Montgomery Co:Water Syst WELL 0017		
Facility type:	Well	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	101512		
Facility name:	Montgomery Co:Water Syst WELL 0018		
Facility type:	Well	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		

Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	101514		
Facility name:	Montgomery Co:Water Syst WELL 0019		
Facility type:	Well	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	101516		
Facility name:	Montgomery Co:Water Syst WELL 0020		
Facility type:	Well	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	101518		
Facility name:	Montgomery Co:Water Syst WELL 0021		
Facility type:	Well	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		

Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	101520		
Facility name:	Montgomery Co:Water Syst WELL 0022		
Facility type:	Well	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	101522		
Facility name:	Montgomery Co Water Sys 1 STU 1 P01		
Facility type:	Sampling_station	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	144689		
Facility name:	Montgomery Co Water System No 1 STU 2		
Facility type:	Pump_facility	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		

Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	144690		
Facility name:	Montgomery Co Water System No 1 STU 3		
Facility type:	Pump_facility	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	144691		
Facility name:	Montgomery Co Water System No 1 STU 4		
Facility type:	Pump_facility	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	145015		
Facility name:	Montgomery Co No 1 STU 1 Dayton		
Facility type:	Consecutive_connection	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		

Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	145016		
Facility name:	Montomgery Co No 1 STU 2 Dayton		
Facility type:	Consecutive_connection	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	145017		
Facility name:	Montgomery Co No 1 STU 3 Dayton Ottawa		
Facility type:	Consecutive_connection	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	145018		
Facility name:	Montgomery Co No 1 STU 4 Dayton Ottawa		
Facility type:	Consecutive_connection	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		

Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	145263		
Facility name:	Montgomery Co Water Sys 1 STU 2 P02		
Facility type:	Sampling_station	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	145264		
Facility name:	Montgomery Co Water Sys 1 STU 3 P03		
Facility type:	Sampling_station	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	145265		
Facility name:	Montgomery Co Water Sys 1 STU 4 P04		
Facility type:	Sampling_station	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		

Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	32286		
Facility name:	Montgomery Co Water System No 1 STU 1		
Facility type:	Treatment_plant	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

Pwsid:	OH5701315	Epa region:	05
State:	OH	County:	Montgomery
Pws name:	Montgomery County Water System 1 PWS		
Population Served:	54264	Pwssvcconn:	54790
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	67395		
Facility name:	Montgomery Co:Water System 1 Distribution		
Facility type:	Distribution_system_zone	Treatment process:	gaseous chlorination, pre
Treatment objective:	disinfection		
Contact name:	Richard Brinkman		
Original name:	Montgomery County Water System		
Contact phone:	Not Reported	Contact address1:	1850 Spaulding Rd
Contact address2:	Not Reported		
Contact city:	Kettering		
Contact zip:	45432		

PWS ID:	OH5701315		
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	MONTGOMERY CO:WATER SYSTEM #1 SUPERINTENDENT OF WATER SUPPLY 4221 LAMME ROAD DAYTON, OH 45439		
Addressee / Facility:	Not Reported		
Facility Latitude:	39 41 38.0000	Facility Longitude:	84 12 37.0000
Facility Latitude:	39 41 0.0000	Facility Longitude:	84 13 0.0000
City Served:	Not Reported		
Treatment Class:	Treated	Population:	150000

Violations information not reported.

ENFORCEMENT INFORMATION:

Truedate:	03/31/2009	Pwsid:	OH5701315
Pwsname:	MONTGOMERY COUNTY WATER SERVICES 1 PWS		
Retpopsrvd:	134540	Pwstypecod:	C
Vioid:	917501	Contaminant:	SIMAZINE
Viol. Type:	3		
Complperbe:	4/1/2001 0:00:00		
Complperen:	6/30/2001 0:00:00	Enfdate:	10/4/2001 0:00:00
Enf action:	State Violation/Reminder Notice		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	OH5701315
Pwsname:	MONTGOMERY COUNTY WATER SERVICES 1 PWS		
Retpopsrvd:	134540	Pwstypecod:	C
Vioid:	917501	Contaminant:	SIMAZINE
Viol. Type:	3		
Complperbe:	4/1/2001 0:00:00		
Complperen:	6/30/2001 0:00:00	Enfdate:	10/4/2001 0:00:00
Enf action:	State Public Notif Requested		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	OH5701315
Pwsname:	MONTGOMERY COUNTY WATER SERVICES 1 PWS		
Retpopsrvd:	134540	Pwstypecod:	C
Vioid:	917601	Contaminant:	ALACHLOR (LASSO)
Viol. Type:	3		
Complperbe:	4/1/2001 0:00:00		
Complperen:	6/30/2001 0:00:00	Enfdate:	10/4/2001 0:00:00
Enf action:	State Violation/Reminder Notice		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	OH5701315
Pwsname:	MONTGOMERY COUNTY WATER SERVICES 1 PWS		
Retpopsrvd:	134540	Pwstypecod:	C
Vioid:	917601	Contaminant:	ALACHLOR (LASSO)
Viol. Type:	3		
Complperbe:	4/1/2001 0:00:00		
Complperen:	6/30/2001 0:00:00	Enfdate:	10/4/2001 0:00:00
Enf action:	State Public Notif Requested		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	OH5701315
Pwsname:	MONTGOMERY COUNTY WATER SERVICES 1 PWS		
Retpopsrvd:	134540	Pwstypecod:	C
Vioid:	917701	Contaminant:	ATRAZINE
Viol. Type:	3		
Complperbe:	4/1/2001 0:00:00		
Complperen:	6/30/2001 0:00:00	Enfdate:	10/4/2001 0:00:00
Enf action:	State Violation/Reminder Notice		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	OH5701315
Pwsname:	MONTGOMERY COUNTY WATER SERVICES 1 PWS		
Retpopsrvd:	134540	Pwstypecod:	C
Vioid:	917701	Contaminant:	ATRAZINE
Viol. Type:	3		
Complperbe:	4/1/2001 0:00:00		
Complperen:	6/30/2001 0:00:00	Enfdate:	10/4/2001 0:00:00
Enf action:	State Public Notif Requested		
Violmeasur:	Not Reported		

ENFORCEMENT INFORMATION:

System Name: Montgomery County Water System 1 PWS
Violation Type: 3
Contaminant: SIMAZINE
Compliance Period: 4/1/2001 0:00:00 - 6/30/2001 0:00:00
Violation ID: 109175
Enforcement Date: 10/4/2001 0:00:00 Enf. Action: State Public Notif Requested

System Name: Montgomery County Water System 1 PWS
Violation Type: 3
Contaminant: SIMAZINE
Compliance Period: 4/1/2001 0:00:00 - 6/30/2001 0:00:00
Violation ID: 109175
Enforcement Date: 10/4/2001 0:00:00 Enf. Action: State Violation/Reminder Notice

System Name: Montgomery County Water System 1 PWS
Violation Type: 3
Contaminant: ALACHLOR (LASSO)
Compliance Period: 4/1/2001 0:00:00 - 6/30/2001 0:00:00
Violation ID: 109176
Enforcement Date: 10/4/2001 0:00:00 Enf. Action: State Violation/Reminder Notice

System Name: Montgomery County Water System 1 PWS
Violation Type: 3
Contaminant: ALACHLOR (LASSO)
Compliance Period: 4/1/2001 0:00:00 - 6/30/2001 0:00:00
Violation ID: 109176
Enforcement Date: 10/4/2001 0:00:00 Enf. Action: State Public Notif Requested

System Name: Montgomery County Water System 1 PWS
Violation Type: 3
Contaminant: ATRAZINE
Compliance Period: 4/1/2001 0:00:00 - 6/30/2001 0:00:00
Violation ID: 109177
Enforcement Date: 10/4/2001 0:00:00 Enf. Action: State Public Notif Requested

System Name: Montgomery County Water System 1 PWS
Violation Type: 3
Contaminant: ATRAZINE
Compliance Period: 4/1/2001 0:00:00 - 6/30/2001 0:00:00
Violation ID: 109177
Enforcement Date: 10/4/2001 0:00:00 Enf. Action: State Violation/Reminder Notice

System Name: MONTGOMERY COUNTY WATER SYSTEM 1 PWS
Violation Type: 3
Contaminant: SIMAZINE
Compliance Period: 4/1/2001 0:00:00 - 6/30/2001 0:00:00
Violation ID: 917501
Enforcement Date: 10/4/2001 0:00:00 Enf. Action: State Public Notif Requested

System Name: MONTGOMERY COUNTY WATER SYSTEM 1 PWS
Violation Type: 3
Contaminant: SIMAZINE
Compliance Period: 4/1/2001 0:00:00 - 6/30/2001 0:00:00
Violation ID: 917501
Enforcement Date: 10/4/2001 0:00:00 Enf. Action: State Violation/Reminder Notice

System Name: MONTGOMERY COUNTY WATER SYSTEM 1 PWS
Violation Type: 3
Contaminant: ALACHLOR (LASSO)
Compliance Period: 4/1/2001 0:00:00 - 6/30/2001 0:00:00
Violation ID: 917601
Enforcement Date: 10/4/2001 0:00:00 Enf. Action: State Violation/Reminder Notice

ENFORCEMENT INFORMATION:

System Name:	MONTGOMERY COUNTY WATER SYSTEM 1 PWS		
Violation Type:	3		
Contaminant:	ALACHLOR (LASSO)		
Compliance Period:	4/1/2001 0:00:00 - 6/30/2001 0:00:00		
Violation ID:	917601		
Enforcement Date:	10/4/2001 0:00:00	Enf. Action:	State Public Notif Requested
System Name:	MONTGOMERY COUNTY WATER SYSTEM 1 PWS		
Violation Type:	3		
Contaminant:	ATRAZINE		
Compliance Period:	4/1/2001 0:00:00 - 6/30/2001 0:00:00		
Violation ID:	917701		
Enforcement Date:	10/4/2001 0:00:00	Enf. Action:	State Violation/Reminder Notice
System Name:	MONTGOMERY COUNTY WATER SYSTEM 1 PWS		
Violation Type:	3		
Contaminant:	ATRAZINE		
Compliance Period:	4/1/2001 0:00:00 - 6/30/2001 0:00:00		
Violation ID:	917701		
Enforcement Date:	10/4/2001 0:00:00	Enf. Action:	State Public Notif Requested
System Name:	MONTGOMERY CO:WATER SYSTEM		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-11-01 - 1994-11-30		
Violation ID:	9500990		
Enforcement Date:	1994-12-12	Enf. Action:	State Violation/Reminder Notice
System Name:	MONTGOMERY CO:WATER SYSTEM		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-11-01 - 1994-11-30		
Violation ID:	9500990		
Enforcement Date:	1994-12-12	Enf. Action:	State Public Notif Requested
System Name:	MONTGOMERY CO:WATER SYSTEM		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-11-01 - 1994-11-30		
Violation ID:	9500990		
Enforcement Date:	1994-11-08	Enf. Action:	State Public Notif Received

CONTACT INFORMATION:

Name:	MONTGOMERY COUNTY WATER SERVICES 1 PWS	Population:	134540
Contact:	DAY, RICK K	Phone:	Not Reported
Address:	1850 SPAULDING RD		
Address 2:	KETTERING		
	OH, 45 937-7		

35
East
1/2 - 1 Mile
Higher

OH WELLS **OHD400000017857**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Oid :	743309		
Well log n:	422243		
Well type :	WATER WELL		
End user i:	807		
Cnty code:	113	Twp code:	2925
Orig owner:	Not Reported	Orig own 1:	KODOLINE CEIL CO.
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	16		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	11		
St dir cod:	S		
St no:	3751		
St name:	DIXIE	St type co:	DR
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1519237.84		
Horiz y:	622874.85		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	750		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.697767		
Longitude:	-84.20858		
Source of :	Digitized	Flowing we:	N
Test rate:	10		
Draw down:	10		
Draw down :	2		
S water le:	90		
S water me:	Not Reported	S water 1:	06/26/2008
Cas ht:	0		
Screen len:	0		
Total dept:	125		
Date of co:	10/11/1971	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported

Elev sourc:	Not Reported		
Water leve:	660		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017857		

36
South
1/2 - 1 Mile
Higher

OH WELLS **OHD400000017424**

Oid :	296449		
Well log n:	351614		
Well type :	WATER WELL		
End user i:	2573		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	TAFT BROADCASSTING W
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	75		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	10		
St dir cod:	S		
St no:	4595		
St name:	DIXIE	St type co:	HGWY
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1516715.62		
Horiz y:	620081.7		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	739.68		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.689969		
Longitude:	-84.217353		
Source of :	Digitized	Flowing we:	N
Test rate:	230		
Draw down:	11.5		
Draw down :	8		
S water le:	60		
S water me:	Not Reported	S water 1:	12/21/2004
Cas ht:	0		
Screen len:	0		
Total dept:	153		
Date of co:	10/16/1962	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	680		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017424		

37
ENE
1/2 - 1 Mile
Higher

OH WELLS **OHD400000018130**

Oid :	286591		
Well log n:	25044		
Well type :	WATER WELL		
End user i:	2523		
Cnty code:	113	Twp code:	2925
Orig owner:	Not Reported	Orig own 1:	DILTING
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1945	Loc area:	Not Reported
Loc no:	839		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	11		
St dir cod:	Not Reported		
St no:	0		
St name:	DIXIE	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1518869.36		
Horiz y:	624221.52		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.701445		
Longitude:	-84.20998		
Source of :	Digitized	Flowing we:	N
Test rate:	10		
Draw down:	2		
Draw down :	3		
S water le:	45		
S water me:	Not Reported	S water 1:	11/28/2003

Cas ht:	0		
Screen len:	0		
Total dept:	60		
Date of co:	11/26/1948	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018130		

I38
NW
1/2 - 1 Mile
Higher

OH WELLS **OHD400000018218**

Oid :	295611		
Well log n:	131389		
Well type :	WATER WELL		
End user i:	2528		
Cnty code:	113	Twp code:	1873
Orig owner:	FRANK	Orig own 1:	DANIELS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	28		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2866		
St name:	HOLMAN	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514535.65		
Horiz y:	624816.42		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	730		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.702851		
Longitude:	-84.22542		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	30		
S water me:	Not Reported	S water 1:	07/22/1999
Cas ht:	0		
Screen len:	0		
Total dept:	46		
Date of co:	04/01/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	700		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018218		

I39
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018178**

Oid :	775527		
Well log n:	109421		
Well type :	WATER WELL		
End user i:	2030		
Cnty code:	113	Twp code:	1873
Orig owner:	AROND	Orig own 1:	BLAIR
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	29		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2901		
St name:	HOLMAN	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514237.23		
Horiz y:	624587.52		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.702207		
Longitude:	-84.226465		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	05/07/2004
Cas ht:	0		
Screen len:	0		
Total dept:	56		
Date of co:	07/21/1953	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018178		

J40
West
1/2 - 1 Mile
Lower

OH WELLS **OHD400000017780**

Oid :	788098		
Well log n:	2015259		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	DRYDEN RD AND RIVER RD		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.69651		
Longitude:	-84.22863		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	04/20/2003
Cas ht:	0		
Screen len:	10		
Total dept:	54		
Date of co:	02/20/2008	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	GM-83S		
Well seal :	0		
Screen slo:	.01		
Screened i:	54		
Screened 1:	44		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	GLOBAL POSITION SYSTEM		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017780		

Map ID Direction Distance Elevation	Database	EDR ID Number
J41 **West** **1/2 - 1 Mile** **Lower**	**OH WELLS**	**OHD400000017781**

Oid :	788099		
Well log n:	2015260		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	DRYDEN RD AND RIVER RD		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.69651		
Longitude:	-84.22863		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	04/20/2003
Cas ht:	0		
Screen len:	10		
Total dept:	120		
Date of co:	02/20/2008	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	TEMPORARY 9.25" BOREHOLE DRILLED TO 56 FT. DEPTH GM-83D		
Well seal :	0		
Screen slo:	.01		

Screened i:	120		
Screened 1:	110		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	GLOBAL POSITION SYSTEM		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017781		

K42
SE
1/2 - 1 Mile
Higher

OH WELLS **OHD400000017470**

Oid :	296451		
Well log n:	97900		
Well type :	WATER WELL		
End user i:	0		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	MONTGOMERY CO
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	ABANDONED	Aquifer ty:	SHALE
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	77		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	10		
St dir cod:	Not Reported		
St no:	0		
St name:	LAMME	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1518153.41		
Horiz y:	620351.19		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.690784		
Longitude:	-84.212263		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	08/10/2000

Cas ht:	0		
Screen len:	0		
Total dept:	200		
Date of co:	04/29/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017470		

K43
SE
1/2 - 1 Mile
Higher

OH WELLS **OHD400000017471**

Oid :	717183		
Well log n:	97893		
Well type :	WATER WELL		
End user i:	0		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	MONTGOMERY CO
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	77		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	10		
St dir cod:	Not Reported		
St no:	0		
St name:	LAMME	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1518153.41		
Horiz y:	620351.19		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	749.63		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.690784		
Longitude:	-84.212263		
Source of :	Digitized	Flowing we:	N
Test rate:	40		
Draw down:	.5		
Draw down :	.5		
S water le:	51		
S water me:	Not Reported	S water 1:	08/10/2000
Cas ht:	0		
Screen len:	0		
Total dept:	135		
Date of co:	03/27/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	699		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017471		

K44
SE
1/2 - 1 Mile
Higher

FED USGS **USGS2316398**

Agency cd:	USGS	Site no:	394127084124300
Site name:	MT-1001		
Latitude:	394127	EDR Site id:	USGS2316398
Longitude:	0841243	Dec lat:	39.69089244
Dec lon:	-84.21188441	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	39
State:	39	County:	113
Country:	US	Land net:	NWNESE S10 T1 R6
Location map:	DAYTON SOUTH	Map scale:	24000
Altitude:	749.40		
Altitude method:	Level or other surveying method		
Altitude accuracy:	1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Great Miami. Indiana, Ohio. Area = 1390 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19540601
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	201	Hole depth:	223
Source of depth data:	Not Reported		
Project number:	443900300		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1976-01-30
Water quality data end date:	1976-01-30	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

J45
West
1/2 - 1 Mile
Lower

FED USGS **USGS2316399**

Agency cd:	USGS	Site no:	394147084134400
Site name:	MT-301		
Latitude:	394147	EDR Site id:	USGS2316399
Longitude:	0841344	Dec lat:	39.69644793
Dec lon:	-84.22882951	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	39
State:	39	County:	113
Country:	US	Land net:	Not Reported
Location map:	DAYTON SOUTH	Map scale:	24000
Altitude:	730.26		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	005		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Great Miami. Indiana, Ohio. Area = 1390 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19690711
Date inventoried:	19690711	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	80	Hole depth:	80
Source of depth data:	logs		
Project number:	443911200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1993-08-17
Water quality data end date:	1993-08-17	Water quality data count:	1
Ground water data begin date:	1969-07-11	Ground water data end date:	1969-07-11
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1969-07-11	34	

Note: The site had been pumped recently.

46
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS2316396**

Agency cd:	USGS	Site no:	394123084124900
Site name:	MT-68		
Latitude:	394123	EDR Site id:	USGS2316396
Longitude:	0841249	Dec lat:	39.68978133
Dec lon:	-84.21355112	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	39
State:	39	County:	113
Country:	US	Land net:	NWSENWS10T1R6
Location map:	DAYTON SOUTH	Map scale:	24000
Altitude:	744.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Great Miami. Indiana, Ohio. Area = 1390 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	135	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	443900200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1993-08-13
Water quality data end date:	1993-08-13	Water quality data count:	1
Ground water data begin date:	1971-04-01	Ground water data end date:	1971-04-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1971-04-01	85.00	

47
SW
1/2 - 1 Mile
Higher

OH WELLS **OHD400000017469**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Oid :	296281		
Well log n:	472232		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	DELCO AIR CONDITIONI
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	65		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514514.91		
Horiz y:	620419.66		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	730		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.690781		
Longitude:	-84.225195		
Source of :	Digitized	Flowing we:	N
Test rate:	1700		
Draw down:	13.5		
Draw down :	8		
S water le:	72		
S water me:	Not Reported	S water 1:	08/10/2000
Cas ht:	0		
Screen len:	0		
Total dept:	189		
Date of co:	08/15/1977	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported

Elev sourc:	Not Reported		
Water leve:	658		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017469		

L48
South
1/2 - 1 Mile
Higher

OH WELLS **OHD400000017364**

Oid :	296448		
Well log n:	177675		
Well type :	WATER WELL		
End user i:	1855		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	FILM ASSOCIATES
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	74		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	10		
St dir cod:	S		
St no:	4600		
St name:	DIXIE	St type co:	DR
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1516584.99		
Horiz y:	619665.06		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	733.33		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.688819		
Longitude:	-84.217789		
Source of :	Digitized	Flowing we:	N
Test rate:	50		
Draw down:	2		
Draw down :	2		
S water le:	16		
S water me:	Not Reported	S water 1:	10/01/2003
Cas ht:	0		
Screen len:	0		
Total dept:	110		
Date of co:	07/20/1956	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	717		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017364		

L49
South
1/2 - 1 Mile
Higher

OH WELLS **OHD400000017365**

Oid :	775531		
Well log n:	114304		
Well type :	WATER WELL		
End user i:	1855		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	RED HORSE TOURIST CO
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	74		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	Not Reported	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1516584.99		
Horiz y:	619665.06		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.688819		
Longitude:	-84.217789		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	10/01/2003

Cas ht:	0		
Screen len:	0		
Total dept:	100		
Date of co:	08/21/1953	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017365		

50
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018194**

Oid :	295606		
Well log n:	131360		
Well type :	WATER WELL		
End user i:	2528		
Cnty code:	113	Twp code:	1873
Orig owner:	LEONARD	Orig own 1:	PARROT
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	20		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2905		
St name:	GLADSTONE	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513961.02		
Horiz y:	624699.35		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	720		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.7025		
Longitude:	-84.227454		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	20		
S water me:	Not Reported	S water 1:	10/01/1997
Cas ht:	0		
Screen len:	0		
Total dept:	41		
Date of co:	12/11/1953	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	700		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018194		

M51
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018263**

Oid :	295610		
Well log n:	49172		
Well type :	WATER WELL		
End user i:	1333		
Cnty code:	113	Twp code:	1873
Orig owner:	HARLEY	Orig own 1:	CRUTCHFIELD
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	27		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	17		
St dir cod:	Not Reported		
St no:	2841		
St name:	HOLMAN	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514295.55		
Horiz y:	625152.17		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	720.92		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.70376		
Longitude:	-84.226296		
Source of :	Digitized	Flowing we:	N
Test rate:	10		
Draw down:	5		
Draw down :	0		
S water le:	23		
S water me:	Not Reported	S water 1:	02/02/2007
Cas ht:	0		
Screen len:	0		
Total dept:	43		
Date of co:	04/08/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	698		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018263		

52
West
1/2 - 1 Mile
Lower

OH WELLS **OHD400000017761**

Oid :	296283		
Well log n:	478810		
Well type :	WATER WELL		
End user i:	1209		
Cnty code:	113	Twp code:	1873
Orig owner:	MONTGOMERY	Orig own 1:	CO
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	67		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	17		
St dir cod:	E		
St no:	0		
St name:	EAST RIVER	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513116.85		
Horiz y:	622399.74		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	720		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.696143		
Longitude:	-84.230297		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	10		
Draw down :	8		
S water le:	43		
S water me:	Not Reported	S water 1:	10/30/2002
Cas ht:	0		
Screen len:	0		
Total dept:	87		
Date of co:	08/10/1975	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	677		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017761		

Map ID Direction Distance Elevation		Database	EDR ID Number
M53 **NW** **1/2 - 1 Mile** **Lower**		**OH WELLS**	**OHD400000018257**

Oid :	295607		
Well log n:	146805		
Well type :	WATER WELL		
End user i:	2528		
Cnty code:	113	Twp code:	1873
Orig owner:	JAMES	Orig own 1:	HENDRICKS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	21		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2837		
St name:	GLADSTONE	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514004.28		
Horiz y:	625132.86		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	720		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.703692		
Longitude:	-84.22733		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	20		
S water me:	Not Reported	S water 1:	10/09/1989
Cas ht:	0		
Screen len:	0		
Total dept:	43		
Date of co:	01/02/1955	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	700		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018257		

N54
South
1/2 - 1 Mile
Higher

AQUIFLOW **14377**

Site ID:	5751248-00
Groundwater Flow:	SW
Shallow Water Depth:	26.28
Deep Water Depth:	28.44
Average Water Depth:	Not Reported
Date:	12/95

55
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018243**

Oid :	295605		
Well log n:	131416		
Well type :	WATER WELL		
End user i:	1976		
Cnty code:	113	Twp code:	1873
Orig owner:	WILLIAM	Orig own 1:	GRIFFEY
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	19		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	120		
St dir cod:	Not Reported		
St no:	2856		
St name:	CADILLAC	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513683.9		
Horiz y:	625021.22		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.39		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.703369		
Longitude:	-84.228461		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	0		
Draw down :	6		
S water le:	21		
S water me:	Not Reported	S water 1:	12/27/1982
Cas ht:	0		
Screen len:	0		
Total dept:	48		
Date of co:	06/18/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	698		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018243		

O56
ENE
1/2 - 1 Mile
Higher

OH WELLS **OHD400000018033**

Oid :	296450		
Well log n:	310674		
Well type :	WATER WELL		
End user i:	1855		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	SOUTH DAYTON MOTEL
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	76		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	S		
St no:	3333		
St name:	DIXIE	St type co:	HGWY
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1520071.15		
Horiz y:	623721.57		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	758.17		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.700135		
Longitude:	-84.205676		
Source of :	Digitized	Flowing we:	N
Test rate:	40		
Draw down:	5		
Draw down :	1		
S water le:	60		
S water me:	Not Reported	S water 1:	08/11/2005
Cas ht:	0		
Screen len:	0		
Total dept:	90		
Date of co:	05/25/1964	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	698		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018033		

57
NNW
1/2 - 1 Mile
Higher

OH WELLS **OHD400000018452**

Oid :	295480		
Well log n:	128429		
Well type :	WATER WELL		
End user i:	2030		
Cnty code:	113	Twp code:	1873
Orig owner:	NELLIE	Orig own 1:	WOODROW
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	14		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	17		
St dir cod:	Not Reported		
St no:	2853		
St name:	NORTHLAWN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1515485.37		
Horiz y:	626335.98		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.707072		
Longitude:	-84.222148		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	11/17/1998
Cas ht:	0		
Screen len:	0		
Total dept:	999		
Date of co:	09/01/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018452		

Map ID Direction Distance Elevation	Database	EDR ID Number
P58 **SW** **1/2 - 1 Mile** **Lower**	**OH WELLS**	**OHD400000017429**

Oid :	296272		
Well log n:	109480		
Well type :	WATER WELL		
End user i:	2519		
Cnty code:	113	Twp code:	1873
Orig owner:	OMER	Orig own 1:	MYNHIER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL AND SAND
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	54		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	16		
St dir cod:	Not Reported		
St no:	2928		
St name:	HOYLAKE	St type co:	CT
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513872.12		
Horiz y:	620158.49		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	727.82		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.690031		
Longitude:	-84.227461		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	29		
S water me:	Not Reported	S water 1:	01/29/2007
Cas ht:	0		
Screen len:	0		
Total dept:	50		
Date of co:	01/03/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	699		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017429		

59
SSW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000017352**

Oid :	296282		
Well log n:	593778		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	HARRISON RADIATOR DL
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	66		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	16		
St dir cod:	Not Reported		
St no:	2		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514435.59		
Horiz y:	619650.22		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.688665		
Longitude:	-84.225425		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	07/22/2003

Cas ht:	0		
Screen len:	0		
Total dept:	150		
Date of co:	10/26/1982	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017352		

Q60
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018309**

Oid :	295625		
Well log n:	109415		
Well type :	WATER WELL		
End user i:	2030		
Cnty code:	113	Twp code:	1873
Orig owner:	LEONARD	Orig own 1:	PARROTT
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2913		
St name:	HOLMAN	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	46		
Date of co:	07/09/1953	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018309		

Q61
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018308**

Oid :	295624		
Well log n:	131363		
Well type :	WATER WELL		
End user i:	2528		
Cnty code:	113	Twp code:	1873
Orig owner:	JAMES	Orig own 1:	FORDD
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	17		
St dir cod:	Not Reported		
St no:	2762		
St name:	GLADSTONE	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	18		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	38		
Date of co:	12/20/1953	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	702		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018308		

Q62
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018307**

Oid :	295623		
Well log n:	136254		
Well type :	WATER WELL		
End user i:	2519		
Cnty code:	113	Twp code:	1873
Orig owner:	GEORGE	Orig own 1:	RAINER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2640		
St name:	HOLMAN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	30		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	52		
Date of co:	07/10/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	690		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018307		

Map ID Direction Distance Elevation		Database	EDR ID Number
Q63 **NW** **1/2 - 1 Mile** **Lower**		**OH WELLS**	**OHD400000018312**

Oid :	295628		
Well log n:	49168		
Well type :	WATER WELL		
End user i:	1333		
Cnty code:	113	Twp code:	1873
Orig owner:	GEORGE	Orig own 1:	ROBERTS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2840		
St name:	CADILLAC	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	0		
Draw down :	0		
S water le:	20		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	47		
Date of co:	06/14/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	700		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018312		

Q64
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018311**

Oid :	295627		
Well log n:	136256		
Well type :	WATER WELL		
End user i:	2519		
Cnty code:	113	Twp code:	1873
Orig owner:	ELMER	Orig own 1:	FLYNN
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2601		
St name:	HOLMAN	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	29		
S water me:	Not Reported	S water 1:	06/05/2004

Cas ht:	0		
Screen len:	0		
Total dept:	75		
Date of co:	07/15/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	691		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018311		

Q65
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018310**

Oid :	295626		
Well log n:	136265		
Well type :	WATER WELL		
End user i:	2519		
Cnty code:	113	Twp code:	1873
Orig owner:	P	Orig own 1:	GROSS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2407		
St name:	GLADSTONE	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	23		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	41		
Date of co:	08/10/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	697		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018310		

Q66
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018303**

Oid :	295617		
Well log n:	131417		
Well type :	WATER WELL		
End user i:	1976		
Cnty code:	113	Twp code:	1873
Orig owner:	PAUL	Orig own 1:	NICKELL
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2849		
St name:	CADILLAC	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	0		
Draw down :	6		
S water le:	22		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	49		
Date of co:	06/22/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	698		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018303		

Q67
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018302**

Oid :	295615		
Well log n:	131429		
Well type :	WATER WELL		
End user i:	1976		
Cnty code:	113	Twp code:	1873
Orig owner:	O	Orig own 1:	VARETTS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2732		
St name:	GLADSTONE	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	0		
Draw down :	4		
S water le:	17		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	49		
Date of co:	08/07/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	703		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018302		

Map ID Direction Distance Elevation	Database	EDR ID Number
Q68 **NW** **1/2 - 1 Mile** **Lower**	**OH WELLS**	**OHD400000018301**

Oid :	295613		
Well log n:	131388		
Well type :	WATER WELL		
End user i:	2528		
Cnty code:	113	Twp code:	1873
Orig owner:	HENRY	Orig own 1:	CARTWRIGHT
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2868		
St name:	HOLMAN	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	33		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	44		
Date of co:	03/28/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	687		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018301		

Q69
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018306**

Oid :	295622		
Well log n:	131394		
Well type :	WATER WELL		
End user i:	2528		
Cnty code:	113	Twp code:	1873
Orig owner:	WILLIE	Orig own 1:	ALSEPT
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	HOLMAN	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	20		
S water me:	Not Reported	S water 1:	06/05/2004

Cas ht:	0		
Screen len:	0		
Total dept:	49		
Date of co:	05/10/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	700		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018306		

Q70
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018305**

Oid :	295621		
Well log n:	131395		
Well type :	WATER WELL		
End user i:	2528		
Cnty code:	113	Twp code:	1873
Orig owner:	CARL	Orig own 1:	FETTERS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	SOUTHLAWN/HOLMAN	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	25		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	51		
Date of co:	05/02/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	695		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018305		

Q71
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018304**

Oid :	295619		
Well log n:	138557		
Well type :	WATER WELL		
End user i:	2562		
Cnty code:	113	Twp code:	1873
Orig owner:	RICHARD	Orig own 1:	COMBS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	25		
Draw down :	0		
S water le:	25		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	40		
Date of co:	05/05/1941	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	695		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018304		

Q72
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018313**

Oid :	295629		
Well log n:	109481		
Well type :	WATER WELL		
End user i:	2519		
Cnty code:	113	Twp code:	1873
Orig owner:	CORA	Orig own 1:	ADDLEMAN
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL AND CLAY
Loc map ye:	1983	Loc area:	A
Loc no:	0		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2748		
St name:	CADILLAC	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	25		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	61		
Date of co:	01/07/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	695		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018313		

Map ID Direction Distance Elevation	Database	EDR ID Number
Q73 **NW** **1/2 - 1 Mile** **Lower**	**OH WELLS**	**OHD400000018322**

Oid :	739484		
Well log n:	49169		
Well type :	WATER WELL		
End user i:	1333		
Cnty code:	113	Twp code:	1873
Orig owner:	EMA	Orig own 1:	SCOTT
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2727		
St name:	HOLMAN	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	4		
Draw down :	0		
S water le:	24		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	72		
Date of co:	06/16/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	696		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018322		

Q74
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018321**

Oid :	739483		
Well log n:	136503		
Well type :	WATER WELL		
End user i:	2527		
Cnty code:	113	Twp code:	1873
Orig owner:	S	Orig own 1:	WEBB
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	Not Reported	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	10		
Draw down:	0		
Draw down :	0		
S water le:	26		
S water me:	Not Reported	S water 1:	06/05/2004

Cas ht:	0		
Screen len:	0		
Total dept:	44		
Date of co:	07/06/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	694		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018321		

Q75
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018320**

Oid :	717178		
Well log n:	49170		
Well type :	WATER WELL		
End user i:	1333		
Cnty code:	113	Twp code:	1873
Orig owner:	ESTEL/WALTER	Orig own 1:	SPURLOCK/FARMERS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2837		
St name:	CADILLAC	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	2		
Draw down :	0		
S water le:	21		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	54		
Date of co:	06/20/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	699		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018320		

Q76
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018325**

Oid :	775528		
Well log n:	111425		
Well type :	WATER WELL		
End user i:	2527		
Cnty code:	113	Twp code:	1873
Orig owner:	BRUCE	Orig own 1:	WAX
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	COLDMAN	St type co:	DR
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	7		
Draw down:	0		
Draw down :	0		
S water le:	27		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	47		
Date of co:	09/23/1953	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	693		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018325		

Q77
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018324**

Oid :	772145		
Well log n:	131391		
Well type :	WATER WELL		
End user i:	2528		
Cnty code:	113	Twp code:	1873
Orig owner:	FRANK	Orig own 1:	SMITH
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2845		
St name:	HOLMAN	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	32		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	42		
Date of co:	05/04/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	688		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018324		

Map ID Direction Distance Elevation	Database	EDR ID Number
Q78 **NW** **1/2 - 1 Mile** **Lower**	**OH WELLS**	**OHD400000018323**

Oid :	742735		
Well log n:	109945		
Well type :	WATER WELL		
End user i:	800		
Cnty code:	113	Twp code:	1873
Orig owner:	PAUL	Orig own 1:	THOMAS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2637		
St name:	CADILLAC	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	6		
Draw down:	0		
Draw down :	1		
S water le:	30		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	40		
Date of co:	10/01/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	690		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018323		

Q79
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018316**

Oid :	295632		
Well log n:	131371		
Well type :	WATER WELL		
End user i:	2528		
Cnty code:	113	Twp code:	1873
Orig owner:	GEORGE	Orig own 1:	ROBERTS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2800		
St name:	CADILLAC	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	20		
S water me:	Not Reported	S water 1:	06/05/2004

Cas ht:	0		
Screen len:	0		
Total dept:	40		
Date of co:	01/14/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	700		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018316		

Q80
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018315**

Oid :	295631		
Well log n:	131373		
Well type :	WATER WELL		
End user i:	2528		
Cnty code:	113	Twp code:	1873
Orig owner:	DELBERT	Orig own 1:	ROBERTS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2867		
St name:	CADILLAC	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	18		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	44		
Date of co:	01/18/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	702		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018315		

Q81
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018314**

Oid :	295630		
Well log n:	131379		
Well type :	WATER WELL		
End user i:	2528		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	CARKER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2868		
St name:	HOLMAN	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	25		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	44		
Date of co:	03/05/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	695		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018314		

Q82
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018319**

Oid :	715648		
Well log n:	131434		
Well type :	WATER WELL		
End user i:	1976		
Cnty code:	113	Twp code:	1873
Orig owner:	WILLIE	Orig own 1:	MAY
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2744		
St name:	CADILLAC	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	15		
Draw down:	0		
Draw down :	4		
S water le:	21		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	45		
Date of co:	09/14/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	699		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018319		

Map ID Direction Distance Elevation	Database	EDR ID Number
Q83 **NW** **1/2 - 1 Mile** **Lower**	**OH WELLS**	**OHD400000018318**

Oid :	295634		
Well log n:	131425		
Well type :	WATER WELL		
End user i:	1976		
Cnty code:	113	Twp code:	1873
Orig owner:	LLOYD	Orig own 1:	COLE
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2712		
St name:	GLADSTONE	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	0		
Draw down :	3		
S water le:	20		
S water me:	Not Reported	S water 1:	06/05/2004
Cas ht:	0		
Screen len:	0		
Total dept:	48		
Date of co:	07/23/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	700		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018318		

Q84
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018317**

Oid :	295633		
Well log n:	131433		
Well type :	WATER WELL		
End user i:	1976		
Cnty code:	113	Twp code:	1873
Orig owner:	ROBERT	Orig own 1:	MILTON
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2718		
St name:	GLADSTONE	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513767.71		
Horiz y:	625428.38		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	719.72		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.704491		
Longitude:	-84.228191		
Source of :	Digitized	Flowing we:	N
Test rate:	15		
Draw down:	0		
Draw down :	4		
S water le:	21		
S water me:	Not Reported	S water 1:	06/05/2004

Cas ht:	0		
Screen len:	0		
Total dept:	46		
Date of co:	09/12/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	699		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018317		

N85
South
1/2 - 1 Mile
Higher

OH WELLS **OHD400000017139**

Oid :	293542		
Well log n:	177677		
Well type :	WATER WELL		
End user i:	1855		
Cnty code:	113	Twp code:	1765
Orig owner:	Not Reported	Orig own 1:	COUNTRY KITCHEN
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	15		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	10		
St dir cod:	S		
St no:	4830		
St name:	DIXIE	St type co:	DR
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1515830.64		
Horiz y:	619035.98		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	730		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.687052		
Longitude:	-84.220427		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	35		
S water me:	Not Reported	S water 1:	04/11/2005
Cas ht:	0		
Screen len:	0		
Total dept:	108		
Date of co:	07/20/1956	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	695		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017139		

O86
ENE
1/2 - 1 Mile
Higher

OH WELLS **OHD400000017994**

Oid :	298354		
Well log n:	416314		
Well type :	WATER WELL		
End user i:	1855		
Cnty code:	113	Twp code:	2925
Orig owner:	Not Reported	Orig own 1:	KLARIN COMPANY
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	15		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	11		
St dir cod:	Not Reported		
St no:	3400		
St name:	KETTERING	St type co:	BLVD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1520274.19		
Horiz y:	623565.94		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	759.58		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.699718		
Longitude:	-84.204944		
Source of :	Digitized	Flowing we:	N
Test rate:	10		
Draw down:	5		
Draw down :	1		
S water le:	85		
S water me:	Not Reported	S water 1:	05/22/2008
Cas ht:	0		
Screen len:	0		
Total dept:	120		
Date of co:	01/22/1971	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	675		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017994		

87
NNW
1/2 - 1 Mile
Higher

OH WELLS **OHD400000018434**

Oid :	717177		
Well log n:	146804		
Well type :	WATER WELL		
End user i:	2528		
Cnty code:	113	Twp code:	1873
Orig owner:	KENNITH	Orig own 1:	GILLISPEE
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	26		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	28		
St dir cod:	Not Reported		
St no:	2748		
St name:	HOLMAN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514673.09		
Horiz y:	626222.53		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	730		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.706718		
Longitude:	-84.225027		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	23		
S water me:	Not Reported	S water 1:	02/20/2006
Cas ht:	0		
Screen len:	0		
Total dept:	74		
Date of co:	10/28/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	707		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018434		

Map ID Direction Distance Elevation	Database	EDR ID Number
P88 **SW** **1/2 - 1 Mile** **Lower**	**OH WELLS**	**OHD400000017432**

Oid :	717182		
Well log n:	109470		
Well type :	WATER WELL		
End user i:	2519		
Cnty code:	113	Twp code:	1873
Orig owner:	GEORGE	Orig own 1:	MURPHY
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	53		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	16		
St dir cod:	Not Reported		
St no:	3012		
St name:	HOYLAKE	St type co:	DR
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513593.66		
Horiz y:	620190.45		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	726.69		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.690104		
Longitude:	-84.228453		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	30		
S water me:	Not Reported	S water 1:	01/29/2007
Cas ht:	0		
Screen len:	0		
Total dept:	47		
Date of co:	10/31/1953	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	697		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017432		

R89
ENE
1/2 - 1 Mile
Higher

OH WELLS **OHPW40000000965**

County:	MONTGOMERY	Pwsid:	OH5700412
Well num:	15793	Well name:	CAINS MOBILE HOME COURT WELL 0003
Dnr wl log:	Not Reported	Wl avail:	PERMANENT
Act date:	10/15/1999	Wl status:	Active
Sys status:	Active	Sys name:	CAINS MOBILE HOME COURT
Sys type:	Community		
Src type:	ground water		
Latitude:	39.702322		
Longitude:	-84.204817		
Accuracy:	1		
Ll colmeth:	GPS CODE MEASUREMENTS (PSEUDO RANGE) DIFFERENTIALLY CORRECTED		
Hdatum:	WGS 84		
Verify met:	VERIFIED RELATIVE TO MAP FEATURES (1:24,000)		
Site id:	OHPW40000000965		

90
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018433**

Oid :	585248		
Well log n:	131432		
Well type :	WATER WELL		
End user i:	1976		
Cnty code:	113	Twp code:	1873
Orig owner:	JESSICA	Orig own 1:	PURCELL
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	22		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2713		
St name:	GLADSTONE	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514117.95		
Horiz y:	626206.34		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	720.5		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.706645		
Longitude:	-84.226999		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	0		
Draw down :	4		
S water le:	22		
S water me:	Not Reported	S water 1:	02/20/2006
Cas ht:	0		
Screen len:	0		
Total dept:	41		
Date of co:	09/11/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	698		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018433		

R91
ENE
1/2 - 1 Mile
Higher

OH WELLS **OHWT30000000444**

County:	MONTGOMERY	Pwsid:	OH5700412
Wtp num:	5812	Wtp name:	CAINS MOBILE HOME COURT
Tp avail:	PERMANENT	Wtr type:	ground water
Wtpdsn cap:	197280		
Notreat in:	Not Reported	Wtr body n:	Not Reported
Wtp status:	Active	Sys status:	Active
Sys name:	CAINS MOBILE HOME COURT	Sys type:	Community
Src type:	ground water	First name:	WAYDE
Last name:	COLQUHOUN	Title:	Not Reported
Address1:	100 ARTIE COURT		
Address2:	Not Reported		

City:	DAYTON	State:	OH
Zip:	45439	Phone:	937-294-4649
Emg phone:	937-294-4649		
Latitude:	39.702308		
Longitude:	-84.204781		
Accuracy:	1		
Ll colmeth:	GPS CODE MEASUREMENTS (PSEUDO RANGE) DIFFERENTIALLY CORRECTED		
Hdatum:	NAD 27		
Verify met:	VERIFIED RELATIVE TO MAP FEATURES (1:24,000)		
Site id:	OHWT30000000444		

92
WNW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018206**

Oid :	295478		
Well log n:	172803		
Well type :	WATER WELL		
End user i:	2030		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	AMERICA AGGREGATES C
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	11		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	17		
St dir cod:	E		
St no:	0		
St name:	EAST RIVER	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1512729.13		
Horiz y:	624805.93		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.702728		
Longitude:	-84.231839		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	06/06/2003

Cas ht:	0		
Screen len:	0		
Total dept:	41		
Date of co:	02/23/1956	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018206		

93
North
1/2 - 1 Mile
Higher

OH WELLS **OHD400000018556**

Oid :	768969		
Well log n:	190088		
Well type :	WATER WELL		
End user i:	1855		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	F & G TOOL CO.
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL AND CLAY
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	13		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	17		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1515823.58		
Horiz y:	627046.6		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	740		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.70904		
Longitude:	-84.220995		
Source of :	Digitized	Flowing we:	N
Test rate:	10		
Draw down:	3		
Draw down :	2		
S water le:	50		
S water me:	Not Reported	S water 1:	11/20/1997
Cas ht:	0		
Screen len:	0		
Total dept:	73		
Date of co:	06/01/1957	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	690		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018556		

94
West
1/2 - 1 Mile
Lower

FED USGS **USGS2316401**

Agency cd:	USGS	Site no:	394148084140100
Site name:	MT-647		
Latitude:	394148	EDR Site id:	USGS2316401
Longitude:	0841401	Dec lat:	39.6967257
Dec lon:	-84.23355189	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	39
State:	39	County:	113
Country:	US	Land net:	Not Reported
Location map:	DAYTON SOUTH	Map scale:	24000
Altitude:	712.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Great Miami. Indiana, Ohio. Area = 1390 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19730101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	78.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	443900300		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1976-04-09
Water quality data end date:	1976-04-09	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

95
SSW **OH WELLS** **OHD400000017163**
1/2 - 1 Mile
Lower

Oid :	772151		
Well log n:	593779		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	HARRISON RADIATOR DI
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	56		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	16		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514090.58		
Horiz y:	619189.99		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.687384		
Longitude:	-84.226619		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	07/26/2000

Cas ht:	0		
Screen len:	0		
Total dept:	150		
Date of co:	10/26/1982	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017163		

96
NNW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018484**

Oid :	295608		
Well log n:	131430		
Well type :	WATER WELL		
End user i:	1976		
Cnty code:	113	Twp code:	1873
Orig owner:	BESSIE	Orig own 1:	WILDER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	23		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2628		
St name:	GLADSTONE	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1514400.34		
Horiz y:	626626.15		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	720.41		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.707812		
Longitude:	-84.226024		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	0		
Draw down :	4		
S water le:	17		
S water me:	Not Reported	S water 1:	09/07/2006
Cas ht:	0		
Screen len:	0		
Total dept:	47		
Date of co:	08/07/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	703		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018484		

97
ENE
1/2 - 1 Mile
Higher

OH WELLS **OHD400000018255**

Oid :	286445		
Well log n:	9957670		
Well type :	WATER WELL		
End user i:	800		
Cnty code:	113	Twp code:	2925
Orig owner:	Not Reported	Orig own 1:	CAIRN TRAILER CAMP
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1945	Loc area:	Not Reported
Loc no:	130		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	11		
St dir cod:	Not Reported		
St no:	0		
St name:	25	St type co:	SR
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1520553.27		
Horiz y:	624967.31		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.703579		
Longitude:	-84.204046		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	51		
S water me:	Not Reported	S water 1:	10/09/1989
Cas ht:	0		
Screen len:	0		
Total dept:	162		
Date of co:	07/01/1946	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018255		

S98
ENE
1/2 - 1 Mile
Higher

OH WELLS **OHD400000018136**

Oid :	298353		
Well log n:	271343		
Well type :	WATER WELL		
End user i:	1209		
Cnty code:	113	Twp code:	2925
Orig owner:	Not Reported	Orig own 1:	PAGOMAR INC.
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	14		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	11		
St dir cod:	Not Reported		
St no:	0		
St name:	BIG HILL/SR 25	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1520888.89		
Horiz y:	624193.84		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	765.84		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.701474		
Longitude:	-84.202802		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	7		
Draw down :	6		
S water le:	80		
S water me:	Not Reported	S water 1:	06/05/2003
Cas ht:	0		
Screen len:	0		
Total dept:	108		
Date of co:	04/20/1963	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	686		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018136		

Map ID Direction Distance Elevation		Database	EDR ID Number
99 **North** **1/2 - 1 Mile** **Higher**		**OH WELLS**	**OHD400000018628**

Oid :	784886		
Well log n:	2016469		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1355
Orig owner:	Not Reported	Orig own 1:	ASHLAND CHEMICAL
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	SPRINGBORO WEST	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	MW-33		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.71021		
Longitude:	-84.21894		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	07/20/2004
Cas ht:	0		
Screen len:	10		
Total dept:	44		
Date of co:	05/13/2008	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		

Screened i:	44		
Screened 1:	34		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018628		

T100
North
1/2 - 1 Mile
Higher

OH WELLS **OHD400000018620**

Oid :	296446		
Well log n:	333785		
Well type :	WATER WELL		
End user i:	2573		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	MORAINE BOX CO
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	71		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	W		
St no:	2425		
St name:	DOROTHY	St type co:	LN
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1517453.98		
Horiz y:	627397.97		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	744.86		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.71009		
Longitude:	-84.215224		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	68		
S water me:	Not Reported	S water 1:	08/22/2002

Cas ht:	0		
Screen len:	0		
Total dept:	93		
Date of co:	05/20/1966	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	677		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018620		

U101
NNW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018597**

Oid :	296454		
Well log n:	596053		
Well type :	WATER WELL		
End user i:	677		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	MAUCH LABS INC
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GLACIAL TILL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	81		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	3035		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1515280.46		
Horiz y:	627331.71		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	730		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.709795		
Longitude:	-84.222944		
Source of :	Digitized	Flowing we:	N
Test rate:	350		
Draw down:	0		
Draw down :	4		
S water le:	31.5		
S water me:	Not Reported	S water 1:	09/21/2007
Cas ht:	0		
Screen len:	0		
Total dept:	75		
Date of co:	07/20/1981	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	698		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018597		

U102
NNW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018598**

Oid :	296455		
Well log n:	596054		
Well type :	WATER WELL		
End user i:	677		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	MAUCH LABS INC
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	81		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	18		
St dir cod:	Not Reported		
St no:	3035		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1515280.46		
Horiz y:	627331.71		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	730		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.709795		
Longitude:	-84.222944		
Source of :	Digitized	Flowing we:	N
Test rate:	350		
Draw down:	0		
Draw down :	4		
S water le:	31.3		
S water me:	Not Reported	S water 1:	09/21/2007
Cas ht:	0		
Screen len:	0		
Total dept:	80		
Date of co:	07/20/1981	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	699		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018598		

103
SW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000017144**

Oid :	296273		
Well log n:	593780		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	HARRISON RADIATOR DI
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	55		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	16		
St dir cod:	Not Reported		
St no:	0		
St name:	SELLARS	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513588.93		
Horiz y:	619118.73		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.687162		
Longitude:	-84.228397		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	04/11/2005
Cas ht:	0		
Screen len:	0		
Total dept:	150		
Date of co:	10/26/1982	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017144		

Map ID Direction Distance Elevation	Database	EDR ID Number
V104 **North** **1/2 - 1 Mile** **Higher**	**OH WELLS**	**OHD400000018632**

Oid :	784584		
Well log n:	2016468		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1355
Orig owner:	Not Reported	Orig own 1:	ASHLAND CHEMICAL
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	MW-32		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.71028		
Longitude:	-84.2207		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	08/10/2006
Cas ht:	0		
Screen len:	10		
Total dept:	35		
Date of co:	05/01/2008	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		

Screened i:	34		
Screened 1:	24		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018632		

S105
ENE
1/2 - 1 Mile
Higher

OH WELLS **OHD400000018162**

Oid :	298352		
Well log n:	331204		
Well type :	WATER WELL		
End user i:	1209		
Cnty code:	113	Twp code:	2925
Orig owner:	Not Reported	Orig own 1:	WILLHELM ENGINEERING
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	13		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	11		
St dir cod:	Not Reported		
St no:	0		
St name:	BIG HILL/SR 25	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1521032.22		
Horiz y:	624354.91		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	769.59		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.701923		
Longitude:	-84.202303		
Source of :	Digitized	Flowing we:	N
Test rate:	35		
Draw down:	6		
Draw down :	4		
S water le:	88		
S water me:	Not Reported	S water 1:	02/12/2005

Cas ht:	0		
Screen len:	0		
Total dept:	134		
Date of co:	06/30/1965	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	682		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018162		

106
South
1/2 - 1 Mile
Higher

OH WELLS **OHD400000016931**

Oid :	753583		
Well log n:	2013408		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	STROOP	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	Not Reported		
Well loc d:	GM-73		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.684167		
Longitude:	-84.217333		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	01/05/2009
Cas ht:	0		
Screen len:	10		
Total dept:	95		
Date of co:	10/12/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	16" CABLE TOOL DRILLING TO 30 FT. DEPTH12" STEEL WELL CASING INSTALLED 30 FT. (WELDED)		
Well seal :	0		
Screen slo:	.01		
Screened i:	95		
Screened 1:	85		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000016931		

107
NW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018528**

Oid :	295481		
Well log n:	534648		
Well type :	WATER WELL		
End user i:	1855		
Cnty code:	113	Twp code:	1873
Orig owner:	KEN	Orig own 1:	MEINE
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	A
Loc no:	15		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	2609		
St name:	CADILLAC	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513826.55		
Horiz y:	626903.02		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	724.96		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.708542		
Longitude:	-84.228082		
Source of :	Digitized	Flowing we:	N
Test rate:	10		
Draw down:	0		
Draw down :	2		
S water le:	40		
S water me:	Not Reported	S water 1:	07/10/2007
Cas ht:	0		
Screen len:	0		
Total dept:	70		
Date of co:	07/06/1979	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	685		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018528		

108
SW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000017157**

Oid :	296453		
Well log n:	420704		
Well type :	WATER WELL		
End user i:	1076		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	MONTGOMERY CO SANITA
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SHALE
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	80		

Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	30		
St dir cod:	Not Reported		
St no:	0		
St name:	SELLARS	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1513185.9		
Horiz y:	619195.82		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	720.37		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.687352		
Longitude:	-84.229834		
Source of :	Digitized	Flowing we:	N
Test rate:	1600		
Draw down:	14.5		
Draw down :	4		
S water le:	60		
S water me:	Not Reported	S water 1:	04/11/2005
Cas ht:	0		
Screen len:	0		
Total dept:	191		
Date of co:	03/28/1973	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	660		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017157		

Map ID Direction Distance Elevation	Database	EDR ID Number
W109 **WSW** **1/2 - 1 Mile** **Lower**	**OH WELLS**	**OHD400000017428**

Oid :	770617		
Well log n:	351803		
Well type :	WATER WELL		
End user i:	1712		
Cnty code:	113	Twp code:	1873
Orig owner:	W	Orig own 1:	GILLIAM
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	B
Loc no:	33		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	30		
St dir cod:	Not Reported		
St no:	0		
St name:	VENETIAN	St type co:	WAY
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1512285.39		
Horiz y:	620187.41		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	720		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.690027		
Longitude:	-84.233101		
Source of :	Digitized	Flowing we:	N
Test rate:	30		
Draw down:	8		
Draw down :	0		
S water le:	38		
S water me:	Not Reported	S water 1:	01/29/2007
Cas ht:	0		
Screen len:	0		
Total dept:	68		
Date of co:	07/27/1966	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	682		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017428		

X110
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS2316389**

Agency cd:	USGS	Site no:	394103084124901
Site name:	MT-1259 MIAM NAWQA LUS WELL BVAS URB-18 MORAINE,OH		
Latitude:	394103.18	EDR Site id:	USGS2316389
Longitude:	0841249.12	Dec lat:	39.68421667
Dec lon:	-84.21364444	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	39
State:	39	County:	113
Country:	US	Land net:	Not Reported
Location map:	DAYTON SOUTH	Map scale:	24000
Altitude:	739		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Great Miami. Indiana, Ohio. Area = 1390 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	20010813
Date inventoried:	20010813	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	OUTWASH		
Well depth:	47.5	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	443912900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	2001-08-13
Water quality data end date:	2001-10-31	Water quality data count:	3
Ground water data begin date:	2001-10-31	Ground water data end date:	2004-12-21
Ground water data count:	2		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-21	32.75				

Note: Water level was affected by atmospheric pressure.

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2001-10-31	33.79				

X111
SSE
1/2 - 1 Mile
Higher

OH WELLS **OHD400000016933**

Oid :	647661		
Well log n:	933320		
Well type :	WATER WELL		
End user i:	2637		
Cnty code:	113	Twp code:	743
Orig owner:	Not Reported	Orig own 1:	US GEO SURVEY
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	4699		
St name:	LAMME	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	DAYTON	State code:	OH
Zip:	45439		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1517728.75		
Horiz y:	617949.82		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	739		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.68417		
Longitude:	-84.21361		
Source of :	GPS	Flowing we:	Not Reported
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	34		
S water me:	Not Reported	S water 1:	08/13/2001
Cas ht:	0		
Screen len:	5		
Total dept:	47		
Date of co:	08/13/2001	Located in:	Not Reported
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		

Screened i:	42		
Screened 1:	47		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000016933		

T112
North
1/2 - 1 Mile
Higher

FED USGS **USGS2316411**

Agency cd:	USGS	Site no:	394240084125600
Site name:	MT-580		
Latitude:	394240	EDR Site id:	USGS2316411
Longitude:	0841256	Dec lat:	39.71117016
Dec lon:	-84.21549595	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	39
State:	39	County:	113
Country:	US	Land net:	Not Reported
Location map:	DAYTON SOUTH	Map scale:	24000
Altitude:	745.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Great Miami. Indiana, Ohio. Area = 1390 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19660101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	443900300		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1976-01-30
Water quality data end date:	1976-01-30	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
V113 **North** **1/2 - 1 Mile** **Lower**	**OH WELLS**	**OHD400000018696**

Oid :	784581		
Well log n:	2016467		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1355
Orig owner:	Not Reported	Orig own 1:	ASHLAND CHEMICAL
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	45439		
Well loc d:	MW-31		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.71108		
Longitude:	-84.22125		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	12/26/2007
Cas ht:	0		
Screen len:	10		
Total dept:	30		
Date of co:	05/13/2008	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		

Screened i:	27		
Screened 1:	17		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018696		

114
SSW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000016966**

Oid :	753576		
Well log n:	2013401		
Well type :	WATER WELL		
End user i:	795		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GENERAL MOTORS
Drill type:	ROTOSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	DRYDEN	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	MORAINE	State code:	OH
Zip:	Not Reported		
Well loc d:	GM-78		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	Not Reported		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.6845		
Longitude:	-84.225167		
Source of :	GLOBAL POSITION SYSTEM	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	0		
S water me:	Not Reported	S water 1:	08/16/2007

Cas ht:	0		
Screen len:	10		
Total dept:	50		
Date of co:	10/18/2007	Located in:	Not Reported
Assoc rpt :	N		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	.01		
Screened i:	50		
Screened 1:	40		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	2		
Screen typ:	MACHINE SLOTTED	Screen mat:	PVC
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000016966		

115
WSW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000017510**

Oid :	295635		
Well log n:	136271		
Well type :	WATER WELL		
End user i:	2519		
Cnty code:	113	Twp code:	1873
Orig owner:	BRADLY	Orig own 1:	RICE
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	B
Loc no:	31		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	3313		
St name:	SHORELANDS	St type co:	DR
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1511809.92		
Horiz y:	620720.64		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	714.01		

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.691465		
Longitude:	-84.234826		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	35		
S water me:	Not Reported	S water 1:	11/06/2006
Cas ht:	0		
Screen len:	0		
Total dept:	88		
Date of co:	08/27/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	679		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017510		

W116
SW
1/2 - 1 Mile
Lower

OH WELLS **OHD400000017398**

Oid :	742736		
Well log n:	260867		
Well type :	WATER WELL		
End user i:	1855		
Cnty code:	113	Twp code:	1873
Orig owner:	DARVIN	Orig own 1:	SHANK
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	B
Loc no:	34		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	30		
St dir cod:	Not Reported		
St no:	4516		
St name:	VENETIAN	St type co:	WAY
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH

Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1512183.18		
Horiz y:	620009.27		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	720		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.689532		
Longitude:	-84.233452		
Source of :	Digitized	Flowing we:	N
Test rate:	10		
Draw down:	4		
Draw down :	1		
S water le:	20		
S water me:	Not Reported	S water 1:	04/19/2005
Cas ht:	0		
Screen len:	0		
Total dept:	46		
Date of co:	04/04/1961	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	700		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000017398		

117
North
1/2 - 1 Mile
Higher

Site ID:	5711784-00	**AQUIFLOW**	**14423**
Groundwater Flow:	SE		
Shallow Water Depth:	33.62		
Deep Water Depth:	35.83		
Average Water Depth:	Not Reported		
Date:	5/92		

118
NNE
1/2 - 1 Mile
Higher

OH WELLS **OHD400000018600**

Oid :	772152		
Well log n:	142763		
Well type :	WATER WELL		
End user i:	1996		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	SOUTH HILLS PIT INC
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	72		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	Not Reported	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1519225.13		
Horiz y:	627275.84		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	809.88		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.709847		
Longitude:	-84.208921		
Source of :	Digitized	Flowing we:	N
Test rate:	1500		
Draw down:	0		
Draw down :	0		
S water le:	22.5		
S water me:	Not Reported	S water 1:	09/21/2007
Cas ht:	0		
Screen len:	0		
Total dept:	91		
Date of co:	11/03/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported

Elev sourc:	Not Reported		
Water leve:	787		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018600		

119
NNE
1/2 - 1 Mile
Higher

OH WELLS **OHD400000018717**

Oid :	742733		
Well log n:	347616		
Well type :	WATER WELL		
End user i:	1309		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	MYRON CORNISH CO
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	10		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	12		
St dir cod:	Not Reported		
St no:	3030		
St name:	BERTWYRON	St type co:	DR
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1517848.92		
Horiz y:	627872.54		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	744.63		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.711413		
Longitude:	-84.213853		
Source of :	Digitized	Flowing we:	N
Test rate:	6		
Draw down:	0		
Draw down :	1		
S water le:	64		
S water me:	Not Reported	S water 1:	02/09/2006
Cas ht:	0		
Screen len:	0		
Total dept:	79		
Date of co:	11/05/1966	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	681		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018717		

120
North
1/2 - 1 Mile
Lower

OH WELLS **OHD400000018731**

Oid :	295477		
Well log n:	331221		
Well type :	WATER WELL		
End user i:	1209		
Cnty code:	113	Twp code:	1873
Orig owner:	Not Reported	Orig own 1:	GREENS TRAILER PK
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SAND AND GRAVEL
Loc map ye:	1983	Loc area:	Not Reported
Loc no:	9		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	18		
St dir cod:	Not Reported		
St no:	2791		
St name:	DRYDEN/KRETZER	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Well loc d:	Not Reported		
Zone code:	S		
Horiz x:	1515834.73		
Horiz y:	628011.95		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	730		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	39.711691		
Longitude:	-84.221021		
Source of :	Digitized	Flowing we:	N
Test rate:	30		
Draw down:	17		
Draw down :	0		
S water le:	46		
S water me:	Not Reported	S water 1:	10/05/2004

Cas ht:	0		
Screen len:	0		
Total dept:	90		
Date of co:	06/08/1966	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	684		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD400000018731		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: OH Radon

Radon Test Results

Zip	Total Sites	Median	1st Quartile	3rd Quartile	Min.	Max.
45439	127	5.1	3	11.63	0.1	56.1

Federal EPA Radon Zone for MONTGOMERY County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 45439

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	17.200 pCi/L	0%	50%	50%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Natural Resources
Telephone: 614-265-1044

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Public Water System Data
Source: Ohio Environmental Protection Agency
Telephone: 614-644-3677
The database includes community, transient noncommunity and nontransient noncommunity water wells; and source treatment unit locations.

Water Well Database
Source: Department of Natural Resources
Telephone: 614-265-6747

OTHER STATE DATABASE INFORMATION

RADON

State Database: OH Radon
Source: Department of Health
Telephone: 614-644-2727
Radon Statistics for Zip Code Areas

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX D

Photograph Log

Photograph #1

Description of Photograph:
View of the Moraine Assembly Facility Sign along Stroop Road.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 3, 2009

Photograph #2

Description of Photograph:
View of the Main administrative entrance to the Moraine Facility. View is facing northwest.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 3, 2009

Photograph #3

Description of Photograph:
Interior of the Facility located on the main manufacturing floor.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #4

Description of Photograph:
View inside one of the vehicle QA Areas where select finished vehicles would be inspected.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #5

Description of Photograph:
View of one of the refrigerator units in the first floor cafeteria in the current Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #6

Description of Photograph:
Typical view looking into one of the vertical utility shafts in the Administration Building. The vertical utility shafts still may contain asbestos insulation .

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #7

Description of Photograph:
Former Nextel Communication building which housed communication equipment and had backup power via a natural gas generator, located outside of the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #8

Description of Photograph:
View of the exterior of the Assembly Building facing to the east-northeast.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #9

Description of Photograph:
Sump and pump in the truck repair area of the Assembly Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #10

Description of Photograph:
View of the ceiling within one of the old freezers in the basement of the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #11

Description of Photograph:
View of the grease trap of the cafeteria in the basement of the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #12

Description of Photograph:
Administration Building boiler, which is currently operational, and the associated boiler water chemical tank.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #13

Description of Photograph:
Boiler chemicals which are no longer being used and still onsite in the boiler room of the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #14

Description of Photograph:
One of the elevator hydraulic systems used with the freight elevators in the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #15

Description of Photograph:
View of a former main computer room within the Administration Building. The main computer room had special cooling and fire protection which has been removed or is no longer active.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #16

Description of Photograph:
Some of the electrical equipment still left in the main computer room within the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #17

Description of Photograph:
View of the interior of a vertical utility shaft on the second floor of the Administration Building. The shaft runs from the basement up through the entire building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #18

Description of Photograph:
View of typical cubicles within the Administration Building. There are several large cubical areas for the different operations.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #19

Description of Photograph:
The heater boards located throughout the Administration Building are noted as potentially asbestos containing materials.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #20

Description of Photograph:
View of the cubicles and offices within the material offices at the Facility.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #21

Description of Photograph:
One of the air conditioning units within the CPU room on the 2nd floor of the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #22

Description of Photograph:
Mezzanine hydraulic shop located on the 2nd floor of the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #23

Description of Photograph:
Exterior of one of the air handling units located on the 3rd floor of the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

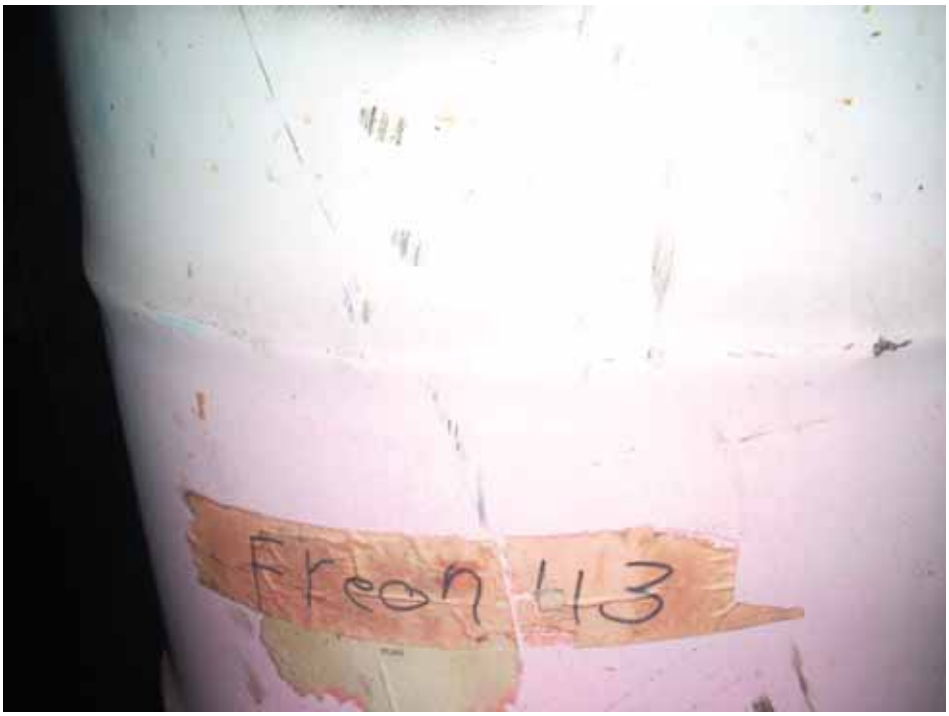
Photograph #24

Description of Photograph:
Typical view of the roof of the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009



Photograph #25

Description of Photograph:
Drum of Freon 113 found in the penthouse of the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #26

Description of Photograph:
Water coolers staged waiting for refrigerant reclaim in the penthouse of the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #27

Description of Photograph:
Hydraulic unit within the training room of the Administration Building used for lockout/tagout training. Still contains hydraulic oil.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #28

Description of Photograph:
One of the many conveyor power systems, located in the Paint Building, 2nd Floor. The conveyor power system in the photograph is typical throughout the Facility.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #29

Description of Photograph:
Paint repair booths and drying oven within the 2nd floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #30

Description of Photograph:
Paint repair and inspection area within the 2nd floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #31

Description of Photograph:
Flammable cabinet located in the paint repair and inspection room in the Paint Building, 2nd Floor.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #32

Description of Photograph:
Conveyor drive for the paint drying ovens located in the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #33

Description of Photograph:
One of the 4 thermal oxidizers, fired by natural gas, above the paint room to destroy VOCs from the vehicle painting, located on the 3rd floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #34

Description of Photograph:
Conveyor oven entrance for the powder spray booth located within the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #35

Description of Photograph:
Inside of a powder spray paint booth located on the 2nd floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #36

Description of Photograph:
Some of the power spray paint robots located within the paint booths in the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #37

Description of Photograph:
Entrance to the pre-clear coat cleaning booths within the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #38

Description of Photograph:
Base Coat Booth within the Paint Building, 2nd Floor.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #39

Description of Photograph:
View inside of the finish coat booth and spray robots, paint Building, 2nd Floor.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #40

Description of Photograph:
View of one of the mineral spirits transfer carts in the paint booth area, Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #41

Description of Photograph:
Air handlers and fans in the Paint Building—3rd floor.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #42

Description of Photograph:
Overview of a portion of the conveyor system in the electro plastic coating area (ELPO), located on the 3rd floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #43

Description of Photograph:
View of the roof over the ELPO room, Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #44

Description of Photograph:
Phosphate coating lab in the ELPO area of the Paint Building, 3rd Floor.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

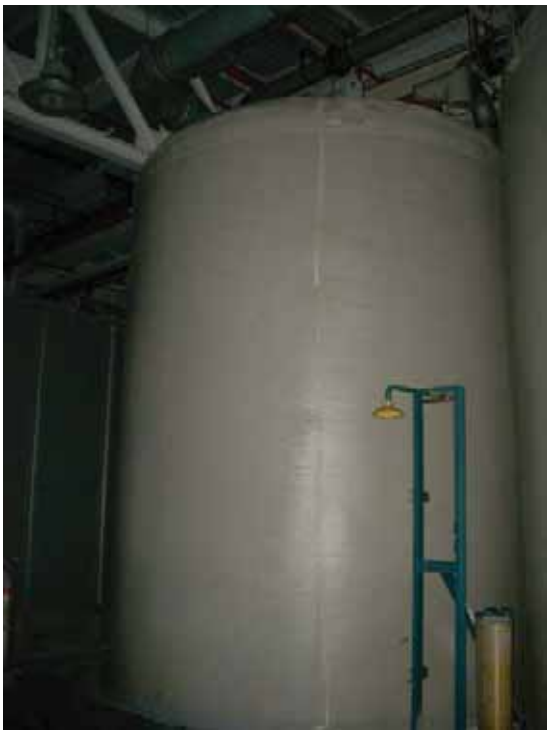
Photograph #45

Description of Photograph:
Rinse tank within ELPO area of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009



Photograph #46

Description of Photograph:
One of the phosphate water storage tanks in the 1st Floor of the ELPO area of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #47

Description of Photograph:
Reverse osmosis water system and top of the storage tank on the 1st Floor of the ELPO area of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #48

Description of Photograph:
ELPO dip tank within the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #49

Description of Photograph:
Phosphate chemical storage area, 1st floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #50

Description of Photograph:
Phosphate chemical storage area sump and trench to contain spills, 1st Floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #51

Description of Photograph:
ELPO filters located on the 1st Floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #52

Description of Photograph:
Permeate Tank located on the 1st Floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #53

Description of Photograph:
Pre-Cleaner tank containing potassium hydroxide (KOH) (ParcoCleaner 1523R) located on the 1st Floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #54

Description of Photograph:
Full drums of Cation Exchange Resin still left onsite located on the 1st Floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #55

Description of Photograph:
Water softener and DI system in the ELPO area located on the 1st Floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #56

Description of Photograph:
ELPO storage tanks located on the 1st Floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #57

Description of Photograph:
Paint storage and mixing room paint vats located on the 1st Floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #58

Description of Photograph:
Paint mixing room . Trough in floor adjacent to the paint mixing vats, which contained any spills.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #59

Description of Photograph:
Empty CO_2 tank. Tank was used for fire suppression equipment located on the western outside walls of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #60

Description of Photograph:
Portion of the paint sludge pit and weir located on the 1st Floor of the Paint Building. Cleaned out.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #61

Description of Photograph:
Paint shop sump and pump motors.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #62

Description of Photograph:
Interior of pump house for fire well #3. The pump house has a diesel generator and 250-gallon tank and a battery backup system. Located outside of the northern portion of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #63

Description of Photograph:
View of the powder paint mixing area located on the 1st Floor of the Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 1, 2009

Photograph #64

Description of Photograph:
Conveyor system washer for the paint carriers located in the old paint shop, southern portion of the Assembly Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #65

Description of Photograph:
Conveyor maintenance area in the Old Paint Shop portion of the building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #66

Description of Photograph:
Former paint stripping tanks for the conveyor racks located in the Old Paint shop, maintenance area.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #67

Description of Photograph:
One of the water chilling units in the Old Paint Shop and associated water softening units.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #68

Description of Photograph:
Water cooling coil which still contains antifreeze (glycol) in the Old Paint Shop.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #69

Description of Photograph:
Air dryers (dehumidifiers) which were filled with a desiccant which has been removed. Located in the Old Paint Shop building..

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #70

Description of Photograph:
Old slug pit in the bottom of the Old Paint Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #71

Description of Photograph:
View looking down the access tunnel to the Former Moraine Engine Plant Building, from the Old Paint Shop.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #72

Description of Photograph:
Body Shop—location where drums with chemical sealer were stored and used.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #73

Description of Photograph:
An abandoned empty in-place AST. Contained CO_2 for fire suppression, located outside of the eastern area of the Body Shop.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #74

Description of Photograph:
Empty brine storage tanks for the treatment of water.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #75

Description of Photograph:
In the Body Shop, drum sealer storage area, located near the Administration Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #76

Description of Photograph:
Mezzanine office located at column B19—walls are noted as potentially asbestos containing materials.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #77

Description of Photograph:
Interior of the measurement quality shop where vehicles would be tested for reproducibility, located in the Body Shop area.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #78

Description of Photograph:
One of the tunnels beneath the Former Assembly Building (Frigidaire Plant 3) which are used as Emergency Shelter locations.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #79

Description of Photograph:
Spare parts storage room located down in one of the tunnels under the old Frigidaire Plant 3 original building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

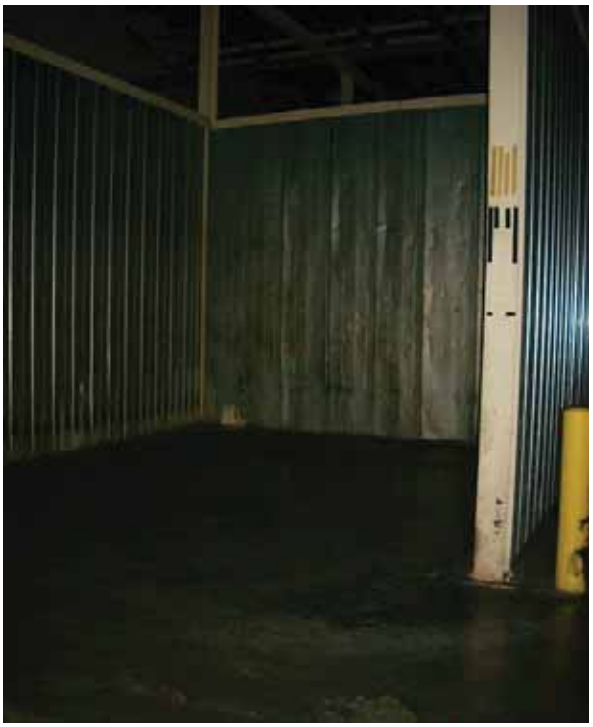
Photograph #80

Description of Photograph:
Former Hazardous Waste Storage Area located in the Body Shop.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009



Photograph #81

Description of Photograph:
One of the main tire storage bins located on the northern portion of tire and rim area, in the northwest portion of the assembly building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

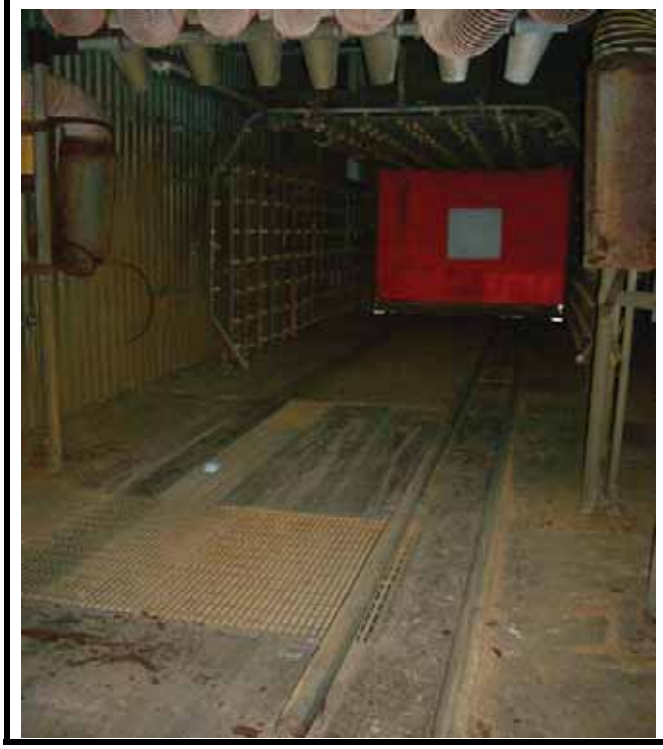
Photograph #82

Description of Photograph:
Former in-ground hoists in the final inspection area. The in-ground portion of the hoist is still present, hydraulic oils have been removed.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009



Photograph #83

Description of Photograph:
Water leak test bay in the final inspection area located in the northwest portion of the Assembly Building

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #84

Description of Photograph:
View of the vehicle shake (vibration) test bay in the final inspection area within located in the northwest portion of the Assembly Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #85

Description of Photograph:
View of one of the 4 vehicle roll test units located in the northwest portion of the Assembly Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #86

Description of Photograph:
Grease drum staged in the final vehicle inspection area located in the northwest portion of the Assembly Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #87

Description of Photograph:
View of the cooling tower for the former Compressor Building. View is looking towards the west.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #88

Description of Photograph:
View inside the first floor of the former Compressor Building, with the air compressors and electrical equipment.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #89

Description of Photograph:
Drums of Safety Kleen solution located in the former Compressor Building, first floor.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #90

Description of Photograph:
Operating electrical substation in the former Compressor Building containing switches and transformers.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #91

Description of Photograph:
Battery backup system in southern portion of the former Compressor Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #92

Description of Photograph:
Tote of Solvo Cleaner in the former Compressor Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #93

Description of Photograph:
Gas and diesel fueling station—reportedly constructed but never filled or used. Unknown if tanks for the system are still onsite. The vehicle fueling area is located northeast corner of the Assembly Plant Building property.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #94

Description of Photograph:
ASTs at the Tank Farm located on the northern portion of the property. The tanks held gasoline, solvents, and various fluids which were used in the operation of a vehicle.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #95

Description of Photograph:
Transfer pumps inside of the tank farm pump house located adjacent ot the tank farm.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #96

Description of Photograph:
Empty AST which contained O_2 located near the receiving docks along the northern portion of the Assembly Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

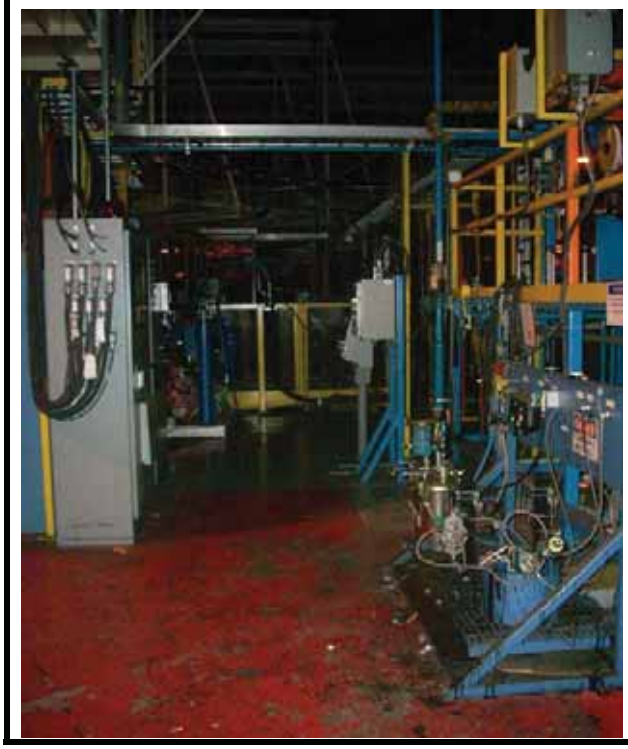
Photograph #97

Description of Photograph:
Emergency power generator with diesel fuel tank located in the compressed gas cylinder storage area. Located near the receiving docks along the northern portion of the Assembly Building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009



Photograph #98

Description of Photograph:
General assembly area—urethane sealer robot area. Used urethane sealer on various parts of the vehicle.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #99

Description of Photograph:
General Assembly area—leak collector system in the area where fluids were added to the new vehicle located in the middle of the Assembly building.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #100

Description of Photograph:
One o the typical pumps which sealants were used on various parts of the vehicle.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #101

Description of Photograph:
General assembly—body marriage area where the frame and body were brought together within the General assembly area.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #102

Description of Photograph:
General Assembly—engine addition line.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #103

Description of Photograph:
Pumps and water recirculation system for the vehicle wash booth—final inspection area, located near the northern portion of the assembly building..

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #104

Description of Photograph:
Gears and motors for the drive system of the conveyor of the wash room.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 2, 2009

Photograph #105

Description of Photograph:
View of the Assembly Building tank farm looking south.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 3, 2009

Photograph #106

Description of Photograph:
View of the Assembly Building drum storage area.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 3, 2009

Photograph #107

Description of Photograph:
View of the Tunnels to the Paint Building

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Trey Fortner

Date of Photograph:
December 3, 2009

Photograph #108

Description of Photograph:
Former location of ASTs.

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 3, 2009

Photograph #109

Description of Photograph:
One of the 2 production wells (11B) located along Stroop Road

Site Location:
Former Moraine Assembly Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 3, 2009

Photograph #110

Description of Photograph:
View looking north of the former Frigidaire Bldg #2 and former Vehicle Distribution Center, looking north.

Site Location:
Former Moraine Engine Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 3, 2009

Photograph #111

Description of Photograph:
Outside of the former "Old" Compressor Building. View is looking south.

Site Location:
Former Moraine Engine Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 3, 2009

Photograph #112

Description of Photograph:
Southern exterior of the building as seen from the Vehicle Distribution Center parking area, west of Springboro Road.

Site Location:
Former Moraine Engine Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 3, 2009

Photograph #113

Description of Photograph:
Several groundwater monitoring wells located on the Bldg #3 property, former Moraine Engine Facility.

Site Location:
Former Moraine Engine Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 3, 2009

Photograph #114

Description of Photograph:
Base of #1clarifier and piping within the former wastewater treatment plant.

Site Location:
Former Delphi Thermal Moraine Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 2, 2009

Photograph #115

Description of Photograph:
View inside of the former wastewater treatment plant laboratory.

Site Location:
Former Delphi Thermal Moraine Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 2, 2009

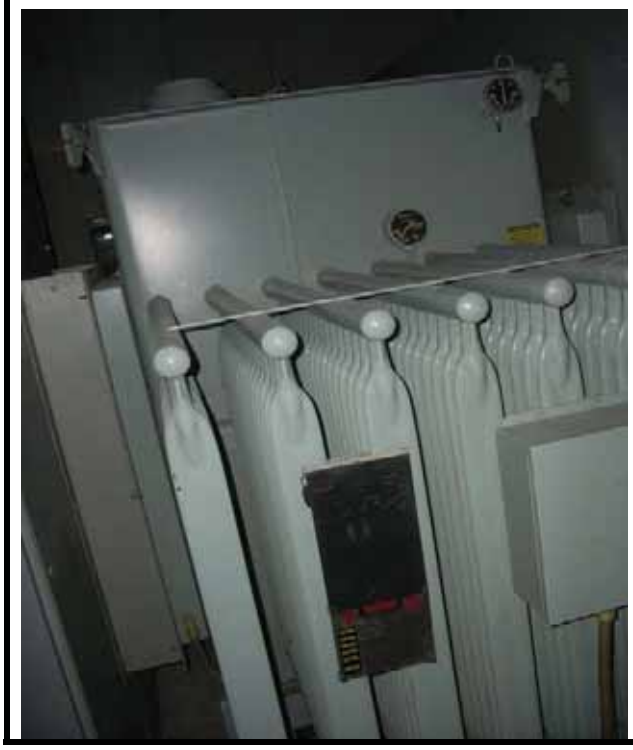
Photograph #116

Description of Photograph:
Looking into one of the sand filters in the former wastewater treatment plant.

Site Location:
Former Delphi Thermal Moraine Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 2, 2009



Photograph #117

Description of Photograph:
Electrical transformer within the former wastewater treatment plant.

Site Location:
Former Delphi Thermal Moraine Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 2, 2009

Photograph #118

Description of Photograph:
Filter press within the former wastewater treatment plant. Filter press primarily pressed paint sludge.

Site Location:
Former Delphi Thermal Moraine Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 2, 2009

Photograph #119

Description of Photograph:
View of the general waste equalization basin at the former wastewater treatment plant

Site Location:
Former Delphi Thermal Moraine Facility
Moraine, Ohio

Photograph Taken By:
Todd J. Aebie

Date of Photograph:
December 2, 2009

APPENDIX E

Draft 2009 GM Moraine FEA Report

PRIVILEGED & CONFIDENTIAL

DRAFT REPORT

Facility Environmental Assessment
Moraine Assembly
Moraine, Ohio

General Motors Corporation
Detroit, Michigan

Jume 2009

Job No. 4966/43793

PRIVILEGED & CONFIDENTIAL

DRAFT REPORT

Facility Environmental Assessment
Moraine Assembly
Moraine, Ohio

General Motors Corporation
Detroit, Michigan

DRAFT

Scott L. Cormier, PE
Vice President

June 2009

O'BRIEN & GERE

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Executive summary

At the request of General Motors Corporation (GM), O'Brien & Gere conducted a Facility Environmental Assessment (FEA) of Moraine Assembly located in Moraine , Ohio. The objective of the FEA was to identify the nature and number of items of environmental interest present in the buildings prior to decommissioning or demolition of the facility.

Several items of environmental interest were recorded during the FEA. These items include:

- Batteries
- Paint Booths
- Capacitors
- Chlorofluorocarbon devices
- Cathode ray tube devices
- Containments
- Containers
- Cranes
- Cylinders
- Emergency lighting
- Stained concrete flooring
- Filters
- Light fixtures
- Oil filled machinery and equipment
- Pits
- Sumps
- Tanks
- Transformers
- Trenches
- Miscellaneous item

Two hundred samples were collected from the facility. These grab, core, and wipe samples were collected from containment areas, stained flooring, oil filled equipment, pits, sumps, and trenches. Samples were sent to Merit Laboratory in Lansing, Michigan and were analyzed for polychlorinated biphenyls (PCB); total metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver), volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs). Analytical results indicated the following:

- Thirty samples exceeded the RCRA 20-times toxicity characteristic leaching procedure criteria for total metals (barium, chromium, lead, and mercury).
- One sample exceeded the RCRA 20-times toxicity characteristic leaching procedure criteria for VOCs.
- Semi-volatile organic compounds were below the state of Ohio generic criteria for soil and groundwater (generic criteria used for guidance only).
- Eight samples exceeded the GM criteria for PCBs of 1 mg/kg.

An asbestos verification survey was conducted for the facility by K-Tech Environmental Consultants, Inc. of Southfield, Michigan. The purpose of the survey was to identify and quantify the presence of asbestos containing materials (ACMs). The survey identified one-hundred five (105) homogeneous areas (HA) suspected of containing asbestos.

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1.0. Introduction

At the request of General Motors Corporation (GM), O'Brien & Gere conducted a Facility Environmental Assessment (FEA) of Moraine Assembly located in Moraine, Ohio. The objective of the FEA was to identify the nature and number of items of environmental interest present at the site prior to decommissioning or demolition of the facility. The objectives of the FEA were to:

- Identify the nature and number of items of environmental interest that would need to be removed or decontaminated prior to equipment disposition. This included a review of the plant history, interviews with employees, and visual inspections to establish past practices and potential waste classifications for the equipment and fluid materials in the equipment
- Evaluate environmental items of interest and wastes produced from the Buildings. The evaluation will be used to identify the required cleaning decontamination/abatement, handling, and disposal procedures
- Conduct sampling to confirm or eliminate potential areas of environmental interest that were identified during the FEA. The sampling results will be used by GM to identify potential environmental items of concern and their concentrations. The sampling results will provide data for coordinating waste disposal according to the federal and state environmental regulations

An "area of interest" indicates a location identified by concentrations that may be a safety, health, or environmental issue to the contractor, or potentially hazardous based on waste disposal criteria. Accessibility limitations and safety considerations did not allow discrete sampling of some areas of interest; therefore, those items were noted within this report and in Table 1 and will be sampled or further evaluated during the Observation and Certification (O&C) phase of the project, where applicable. An "area of interest" was identified if parameter concentrations met one (1) or more of the following criteria:

- Total metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) with concentrations above 20-times the toxicity characteristic leaching procedure (TCLP) regulatory limit (per 40 CFR 261).
- Polychlorinated biphenyls (PCBs) detected with concentrations greater than 1 part per million (ppm) for bulk and core samples and 10 µg/100cm2 for wipe samples (per 40 CFR 761 and GM criteria).
- Volatile organic compounds with concentrations above 20-times the toxicity characteristic leaching procedure (TCLP) regulatory limit (per 40 CFR 261).
- Semi-volatile organic compounds with concentrations above state of Ohio generic criteria for soil and groundwater (although generic criteria for soil and groundwater is not applicable to the media analyzed in this FEA, the generic criteria was used for guidance).

1.1. Background

Moraine Assembly is a 4,100,000 square foot automotive assembly facility that was constructed in 1951 as a Frigidaire Facility. Frigidaire would produce appliances here until the 1970s. In 1979 GM sold Frigidaire but kept the plant, which was retooled and expanded to produce vehicles, starting with

the Chevy S-10 in 1981. In 1993 a paint shop was added. The former Engine Plant, the former Delphi Plant and the current DMAX Plant were not part of this FEA.

The FEA inspection encompassed the Main Plant as well as the outbuildings. The outbuildings consist of the following: Tank Farm, Gate House #4 & 6, Fire Pump House #1, 2, 3, 4 & 5, Emergency Generator #1, 2 & 3, Salt Shed, Shipping Gate, Haulaway Yard Office, Compressor Building, Switch House, North Haulaway Gate House, South Haulaway Gate House, CVO Office, CVO Garage, Utility Trestle, Industrial Waste Treatment Plant, Barrel Storage and Freon Storage, and Gate 5 Building.

Figure 1 provides the United States Geological Survey map from the Dayton South 7.5-minute quadrangle indicating the location of the plant and surrounding areas. A site plan showing the facility layouts and property is included as Figure 2. Figures 3-16 show specific areas of the facility relative to sampling that was conducted during the assessment.

1.2. Scope

The scope of work for the FEA was to identify potential environmental items associated with the buildings and equipment that was included as part of this FEA. O'Brien & Gere performed the following activities during the facility inspection:

- Interviewed key personnel (Site employees, Plant Environmental Engineers, and the Facility Area Manager) regarding the materials, chemicals, operations, and equipment utilized at the facility
- Reviewed drawing files, which included facility layouts
- Reviewed environmental records for the site, which included, but was not limited to: PCB files, spill logs, facility contingency plan, emission records, and waste manifests
- Conducted an equipment inventory
- Inspected for visible tanks with regulated materials (underground storage tanks (USTs), aboveground storage tanks (ASTs), etc.)
- Assessed and recorded areas requiring further evaluation, such as: potential PCB impacted areas, radioactive materials, mercury containing equipment, and other chemicals utilized or present at the facility.

A summary table of environmental items of interest found is included as Table 1.

1.2.1. Asbestos survey

K-Tech was contracted by GM to perform an asbestos survey of the facility buildings. One-hundred forty-six (146) bulk samples were collected from suspect ACM at the facility to identify the presence or absence of asbestos within suspect homogeneous materials. A homogeneous area is defined as a building material that appears similar throughout the buildings in terms of color, texture, date of installation and composition.

The survey identified one-hundred five (105) homogeneous areas (HA) suspected of containing asbestos. A description of the approximate locations of each bulk sample collected, the type of material sampled, sample numbers and a summary of the PLM test results are included in the asbestos report which is included as Appendix A.

1.2.2. Sampling methods

The following method outlines the sample collection activities for non-ACMs:

Following the collection of a sample, the sample was placed in a cooler and shipped to the laboratory following chain-of-custody procedures. Following collection, the sample location was recorded in the field notes. Used personal protective equipment (PPE) (i.e., latex gloves) and sample supplies were then placed in a plastic trash bag and properly disposed.

1.2.2.1. Grab samples

Grab samples were collected from floor or equipment build-up and debris/sludge within trenches, sumps, and pits throughout the facility where sufficient material was present. Grab samples were also collected from surfaces where environmental issues were identified.

1.2.2.2. Oil grab samples

The method used for collecting an oil grab sample from large oil-filled equipment was to remove the reservoir's drain plug and allow the oil to drain into the sample container. For smaller oil-filled equipment or equipment with inaccessible drain ports, a pipette was utilized to collect the oils. Composite samples were collected from a batch of oil-filled equipment located in the same vicinity as one another, when appropriate, or for like equipment within a single building structure.

1.2.2.3. Core samples

Concrete samples were obtained by drilling a 1-1/8 in. diameter hole with a hammer drill to approximately 3-in. deep and collecting the resulting powdered material. The non-dedicated drill bits utilized during sample collection were decontaminated after the coring using an industrial cleaning detergent solution (such as Alconox), or alcohol wipes.

1.2.2.4. Wipe samples

Wipe samples were collected from equipment surfaces where insufficient materials were present to collect a grab sample. Hexane soaked wipes were utilized for collection of samples for PCB analysis. An area 10 cm. by 10 cm. was wiped utilizing a disposable template, wiping first in a vertical direction and then in a horizontal direction.

1.2.2.5. Analytical results

Samples collected were delivered via courier to Merit Laboratory, Inc. (Merit) located at 2680 East Lansing Drive, East Lansing, Michigan. Samples were analyzed for:

- PCBs by Method 8080A/608A/PCBSWBL
- Total metals by Methods 6010B, 7470A 6020, and 7471A
- Semi-volatile organic compounds (SVOCs) by SW-846 Method 8270C
- Volatile organic compounds (VOCs) by SW-846 Method 8260B

Tables 3-5 provide a summary of the analytical results. Appendix B provides a copy of the laboratory reports.

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2.0. Areas of interest – structure

The areas of interest relating to structures at the facility are summarized in the following sections.

2.1. Floors, pads, and walls

A visual inspection was made of floors, slabs, pads, and walls throughout the facility. Areas of localized staining were observed within the facility. In general, the flooring throughout the facility is concrete. Concrete samples were collected in areas of heavy staining, where appropriate. Catwalks and mezzanines were generally steel grating or mesh.

In total, fifty-nine floor and pad samples were collected during the FEA sampling efforts. Twenty-five wall (brick and block) samples were collected during the FEA sampling efforts. The samples were analyzed for the presence of total metals and PCBs. Laboratory results indicated the presence of metals above the 20 times guidance criteria and 1 ppm EPA criteria for PCBs as follows:

Table 2-1 Samples exceeding criteria.

Sample ID	Location	Analyte(s)	Concentration(s)
BODY-3-FLR-F1-1138	K35	Chromium	500 mg/kg
BODY-3-FLR-F1-1138	K35	Lead	603 mg/kg
BODY-B-WAL-F1-1051	Body	Chromium	458 mg/kg
BODY-B-WAL-F1-1051	Body	Lead	605 mg/kg
CCMP-B-FLR-F1-1009	OCMP	PCBs	21 mg/kg
CCMP-B-FLR-F1-1009-1	OCMP	PCBs	21 mg/kg
CCMP-B-FLR-F1-1009-2	OCMP	PCBs	21 mg/kg
CCMP-B-FLR-F1-1009-3	OCMP	PCBs	4.5 mg/kg
CCMP-B-FLR-F1-1009-4	OCMP	PCBs	21 mg/kg
CCMP-B-FLR-F1-1009-5	OCMP	PCBs	21 mg/kg
CCMP-B-FLR-F1-1009-5	OCMP	PCBs	21 mg/kg
CCMP-B-FLR-F1-1009-6	OCMP	PCBs	5 mg/kg

Tables 3-5 provide a summary of the analytical data for the floors. Figures 3-16 indicate the location of the samples. Appendix B provides the analytical data.

2.2. Shipping/receiving docks and sidings

Sixty-five potentially oil-containing overhead gearboxes for operating overhead truck dock doors were identified at the facility. One below grade dock leveler was identified during the FEA. Samples were not collected from the gearboxes or dock levelers due to a lack of accessibility. These areas should be assessed during O&C phase.

2.3. Roofs, stacks, and ducts

Roofing and duct areas were surveyed during the FEA. Five roofing and duct material samples were collected. The samples were analyzed for the presence of total metals and PCBs. Laboratory results indicated the presence of metals above the 20 times guidance criteria as follows:

Table 2-3 Samples exceeding criteria.

Sample ID	Location	Analyte(s)	Concentration(s)
BODY-3-ROF-F1-1137	Bay M7	Lead	120 mg/kg
BODY-2-DUC-F1-1070	A4	Barium	5,630 mg/kg
BODY-2-DUC-F1-1070	A4	Chromium	500 mg/kg
BODY-2-DUC-F1-1070	A4	Lead	4,000 mg/kg
BODY-3-ROF-F1-1195	ROF F1	Chromium	301 mg/kg
BODY-3-ROF-F1-1195	ROF F1	Lead	989 mg/kg

Tables 3-5 provide a summary of the analytical data for the floors. Figures 3-16 indicate the location of the samples. Appendix B provides the analytical data.

2.4. Sewers and process lines

Sewers and underground process or utility lines were not included in the scope of this FEA; however, concrete and sludge samples were collected in the vicinity of two drains during the FEA. The samples were analyzed for the presence of total metals and PCBs. Laboratory results indicated the presence of metals above the 20 times guidance criteria in eight samples as follows:

Table 2-4 Samples exceeding criteria.

Sample ID	Location	Analyte(s)	Concentration(s)
BODY-1-DRN-F1-1030	R21	Chromium	165 mg/kg
BODY-1-DRN-F1-1030	R21	Lead	533 mg/kg
BODY-2-DRN-F1-1069	A4	Barium	2,820 mg/kg
BODY-2-DRN-F1-1069	A4	Lead	258 mg/kg

2.5. Sumps, pits, and trenches

A total of sixty-one sumps, twenty-one pits, and forty-four trench systems were identified and inspected at the facility.

Sumps:
Sixty-one sumps were observed and recorded. Of these sumps, twenty-three concrete and sludge samples were collected. The samples were analyzed for the presence of total metals and PCBs. Laboratory results indicated the presence of metals above the 20 times guidance criteria in samples as follows:

Table 2-5A Samples exceeding criteria.

Sample ID	Location	Analyte(s)	Concentration(s)
BODY-1-SMP-F1-1161	A47	Lead	518 mg/kg
BODY-B-SMP-F1-1060	Bay N	Lead	328 mg/kg
BODY-B-Sump-F1-1056	Column B19	Lead	213 mg/kg
BODY-B-Sump-F1-1145	Column B19	Lead	211 mg/kg

Table 2-5A Samples exceeding criteria.

Sample ID	Location	Analyte(s)	Concentration(s)
BODY-1-SMP-F1-1161	A47	Lead	518 mg/kg
BODY-1-SMP-F1-1006	Body	Lead	204 mg/kg
BODY-1-SMP-F1-1006	Body	Mercury	15.32 mg/kg
BODY-1-SMP-F1-1209	Body	Chromium	137 mg/kg
BODY-1-SMP-F1-1209	Body	Lead	442 mg/kg
BODY-B-SMP-F1-1163	Body	Cadmium	339.20 mg/kg
BODY-B-SMP-F1-1163	Body	Lead	3,090 mg/kg
BODY-B-SMP-F1-1163	Body	Mercury	13.92 mg/kg
BODY-B-SMP-F1-1143	L9	Barium	3,680 mg/kg
BODY-B-SMP-F1-1143	L9	Cadmium	83.48 mg/kg
BODY-B-SMP-F1-1143	L9	Lead	501 mg/kg
BODY-B-SMP-F1-1143	L9	Mercury	7.86 mg/kg
CCMP-B-SMP-F1-1010	Floor OB	Chromium	129 mg/kg
CCMP-B-SMP-F1-1010	Floor OB	Lead	251 mg/kg
GENA-1-SMP-F1-1164	AE47	Chromium	134 mg/kg
GENA-1-SMP-F1-1164	AE47	Lead	145 mg/kg
GENA-1-SMP-F1-1199	General Assembly	Barium	2,130 mg/kg
WWT-1-SMP-F1-1017	WWTP	Lead	131 mg/kg
CCMP-B-TRN-F1-1009-15	OCMP	Lead	204 mg/kg

Pits:
During the FEA, twenty-one pits were observed and recorded. Of these pits, four samples were collected and analyzed for total metals and PCBs. Two samples had concentrations of metals that were above the 20 times guidance criteria as follows:

Table 2-5B Samples exceeding criteria.

Sample ID	Location	Analyte(s)	Concentration(s)
GENA-1-SMP-F1-1041	AB45	Chromium	148 mg/kg
GENA-1-SMP-F1-1041	AB45	Lead	106 mg/kg

Trenches:
During the FEA, forty-four trench systems were observed and recorded. Twelve samples were collected from trench systems and analyzed for total metals and PCBs. Laboratory results indicated the presence of metals above the 20 times guidance criteria as follows:

Table 2-5C Samples exceeding criteria.

Sample ID	Location	Analyte(s)	Concentration(s)
BODY-1-TRN-F1-1180	J31	Lead	156 mg/kg
BODY-B-TRN-F1-1061	Basement, Bay N	Cadmium	69 mg/kg
BODY-B-TRN-F1-1061	Basement, Bay N	Chromium	173 mg/kg
BODY-B-TRN-F1-1061	Basement, Bay N	Lead	879 mg/kg
BODY-B-TRN-F1-1061	Basement, Bay N	Mercury	5.74 mg/kg
WWT-1-TRN-F1-1018	WWTP	Lead	185 mg/kg
WWT-1-TRN-F1-1181	WWTP	Lead	108 mg/kg

It should be noted that a number of pits, sumps, and trenches observed throughout the facility were welded shut or locked and inaccessible for inspection or sampling during the FEA. These locations should be examined during the O&C phase. Table 2 provides a summary and the location of sumps and pumps. Figures 2-16 indicated the sample locations and Tables 3-5 provide the analytical results of the sumps, pits, and trenches located at the facility. Appendix B provides the analytical data.

2.6. Truss and beams

While no significant dust or grime buildup was observed during the FEA, two dust samples were collected and analyzed for the presence of total metals and PCBs. Laboratory results indicated the presence of metals above the 20 times guidance criteria in one sample as follows:

Table 2-6 Samples exceeding criteria.

Sample ID	Location	Analyte(s)	Concentration(s)
BODY-M-DUS-F1-1072	M4	Chromium	271 mg/kg
BODY-M-DUS-F1-1072	M4	Lead	760 mg/kg

Tables 3-5 provide a summary of the analytical data for the floors. Figures 3-16 indicates the location of the sample. Appendix B provides the analytical data.

2.7. Tunnels and plenums

During the FEA, seven tunnel systems were observed. Samples were collected either from the concrete floor and the sludge from the pits, sumps, and trenches located in tunnels. No plenums were observed.

2.8. Walls and siding

Based on the age, lead-based paint is assumed to exist within the Building; therefore, the paint should be considered lead-based.

3.0. Area of interest – facility equipment

3.1. ASTs, process storage tanks, other storage tanks, and containment areas

During the FEA, thirteen storage tanks were identified and recorded. Residual material within the tanks was not sampled with the exception of the tanks in the waste water treatment plant. The tanks contained urethane, paint additive, gasoline, saw dust, sludge, and waste water. ASTs, process storage tanks, or other storage tanks and their related containment areas should be properly cleaned and closed. Table 1 provides a summary of the AST locations and contents identified during the FEA. Table 2 identifies the location and a summary of the analytical data for the tanks and containments.

Laboratory results indicated the presence of metals above the 20 times guidance criteria in one sample as follows:

Table 3-1 AST Locations & Contents

AST	Location (bldg., floor, bay, column)	Number of ASTs	Contents/Comments
Tank	Tank Farm (T1)	1	15,000 gallon, unleaded gasoline
Tank	Tank Farm (T2)	1	15,000 gallon, unleaded gasoline
Tank	Tank Farm (T-4)	1	15,000 gallon, empty
Tank	Tank Farm (T-7)	1	15,000 gallon, automatic transmission fluid
Tank	Tank Farm (T-11)	1	15,000 gallon, lube
Tank	Tank Farm (T-12)	1	15,000 gallon, power steering fluid
Tank	Tank Farm (T-13)	1	15,000 gallon, diesel fluid
Gasoline	ALO, OE	1	Located in yard near shed
Hopper	Body, 02, B,6	1	Saw Dust Collector-MBM Collector
Hopper	ELPO, OM, E,0	1	Sand/Dust
Hopper	ELPO, OM, C,0	1	Drains into trench on 1st floor
Hopper	ELPO, OM, E,0	1	Drains into trench on 1st floor
Hopper	ELPO, OM, L,0.9	1	Drains into trench on 1st floor
Hopper	Paint, 01, H_K,7	25	Collection hoppers
Hopper	Paint, 01, M,7	1	Durr Paint Additive
Hopper	Paint, 01, M,5	1	Urethane
Tank	WWTP, 02	2	Sludge
Tank	WWTP, 02	1	Solid
Tank	WWTP, 02	1	Waste Water
Tank	WWTP, 03	1	Solid

Laboratory results indicated the presence of metals above the 20 times guidance criteria in one sample as follows:

Table 3-2 Samples exceeding criteria.

Sample ID	Location	Analyte(s)	Concentration(s)
WWT-2-TNK-F1-1019	WWTP	Lead	783 mg/kg
WWT-2-TNK-F1-1020	WWTP	Chromium	162 mg/kg

Tables 3-5 provide a summary of the analytical data for the floors. Figures 3-16 indicates the location of the sample. Appendix B provides the analytical data.

3.2. Batteries and emergency lights

During the FEA, 392 batteries and 132 emergency lights were observed and recorded. These batteries were associated with automobile spares, road lights, battery charging units, and fork trucks. A listing of inventoried battery devices can be found in Table 1. These units require special handling and disposal as specified in the decommissioning specifications.

3.3. Capacitors

During the FEA, 289 capacitors were observed. No potentially oil-containing capacitors were observed and recorded. One hundred and sixteen capacitors were identified to contain non-PCB liquid. Table 1 identifies the location for the capacitor identified during the FEA.

3.4. Cathode ray tubes

During the FEA, 487 CRT-containing devices were identified. The locations of the CRT-containing equipment are listed in Table 1. These units may require special handling and disposal as specified in the decommissioning specifications.

3.5. Chlorofluorocarbons

The different chlorofluorocarbons (CFC) devices are broken down as follows:

- 1 Refrigerators
- 196 Refrigerated drinking fountains
- 21 Ice machine
- 34 Window/wall air conditioners
- 57 HVAC units
- 19 Refrigerated vending machines
- 116 Freezers/coolers
- 16 Chillers
- 149 Electrical control cabinet air conditioner
- 21 vapor phase transformers

The locations of the CFC-containing equipment will need to be removed or properly evacuated prior to demolition is listed in Table 1. These units require special handling and disposal as specified in the decommissioning specifications.

3.6. Compressed gas cylinders

During the FEA, ninety-one compressed gas cylinders were observed and recorded. The contents included compressed air, argon, R22, oxygen, acetylene, condensate, nitrogen, and Freon. The locations of the compressed gas cylinders are listed in Table 1.

If the facility is sold or demolished, gas cylinders should be returned to the proper vendor or the gas must be properly removed from the cylinders; the cylinder valves must then be removed, and the cylinder bodies may be disposed of as scrap metal.

3.7. Containers

During the FEA, various sizes of drums and pails were observed throughout the facility. The locations of the containers are listed in Table 1. These units require special handling and disposal as specified in the decommissioning specifications.

3.8. Conveyor systems

During the FEA, forty-seven conveyor systems were observed or recorded. Nine wipe samples and twelve oil samples were collected from the gear boxes of the conveyors and analyzed for PCBs. None were reported to have concentrations of PCBs above GM guidance criteria.

3.9. Cranes

During the FEA, nine crane systems or components were observed and recorded. One oil sample was collected from the gear box of the crane and analyzed for PCBs. PCBs were not detected above GM guidance criteria.

3.10. Elevators

During the FEA, sixteen elevators were observed or recorded. Four wipe samples were collected from the oil reservoirs and analyzed for PCBs. None were reported to have concentrations of PCBs above GM guidance criteria.

3.11. Process heaters

During the FEA, three process heaters were observed and recorded.

3.12. Process/manufacturing equipment

During the FEA, various pieces of process and manufacturing equipment were observed. Equipment with oil containing components was recorded on Table 1. Process or manufacturing equipment included, but was not limited to the following items and numbers: hydraulic lifts (59), gear boxes (206), robots (733), and pumps (2). Samples were collected based on observed grease and oily build-up on the equipment and machinery and the potential for oil components to contain PCBs.

Thirty-three wipe samples were collected and analyzed for the presence of PCBs. Laboratory results reported no samples exceeded GM guidance criteria. Tables 3-5 provide a summary of the analytical results.

3.13. Filters

During the FEA, 214 filters were observed and recorded. These filters included airline lubricators, air filters, water filters, and dust filters.

Table 1 identifies the location of the recorded filters. The recorded filters may require special handling and disposal as specified in the decommissioning specifications.

3.14. Fire extinguishers

During the FEA, 569 fire extinguishers were observed and recorded. The locations of the fire extinguishers are listed in Table 1.

3.15. Fluid filled lines

During the FEA, eight fluid filled lines and four return lines. The lines ran from the new general assembly area to the body shop were observed or recorded.

3.16. Laboratories

During the FEA, a small bench laboratory was noted in the ELPO area and a bench lab located near the paint mix room.

3.17. Lights

Fixture types observed and recorded included:

- 4 ft, 1 bulb, 1 ballast fluorescent
- 4 ft, 2 bulb, 1 ballast fluorescent
- 4 ft, 4 bulb, 2 ballast fluorescent
- 1 bulb, 1 ballast Mercury Vapor HID
- 1 bulb, 1 ballast Sodium Vapor HID
- Exit lights

The above lighting included office areas, building, and perimeter lighting, line lighting, and lighting in electrical panels. The concern with lighting is that sodium vapor and fluorescent light bulbs contain lead, mercury, or cadmium, and the ballasts may contain PCBs.

It is unknown if the ballasts at the facility contain PCBs. Prior to disposal/treatment of ballasts, the contents of the ballasts should be verified by checking the label of the ballast. If the ballast is not marked as "Non-PCB containing" then federal regulation indicates that the ballast will be handled as if it contains PCBs. The contractor is responsible for determining the quantity of the lighting fixtures at the facility during the O&C phase. These units require special handling and disposal as specified in the decommissioning specifications.

3.18. Mercury containing devices

During the FEA, thirteen mercury containing devices, e.g., Mercury Vapor HID, were observed or recorded. The contractor is responsible for determining the quantity of mercury containing devices during the O&C phase. These devices require special handling and disposal as specified in the decommissioning specifications.

3.19. Paint booths and ovens

During the FEA, two paint systems were observed and recorded consisting of four paint booths, one powder paint booth and associated ovens; one spot repair area and one panel repair area. During the FEA, one wipe sample was collected and analyzed for metals. Metals were not detected above guidance criteria. Two solid samples of the paint filter and carrier from the ELPO pots and were analyzed for metals. Laboratory results indicated the presence of lead above the 20 times guidance criteria in two samples as follows:

Table 3-19 Samples exceeding criteria.

Sample ID	Location	Analyte(s)	Concentration(s)
PANT-1-FTR-F1-1066	L1.9	Lead	950 mg/kg
PANT-1-MIS-F1-1065	L1.9	Lead	125 mg/kg

3.20. Radioactive devices

During the FEA, one radioactive device was observed or recorded in the medical center.

3.21. Exit signs

During the FEA, 189 exit signs were observed and recorded. Exit signs may contain fluorescent light bulbs and batteries. Table 3 identifies the location of the exit signs. These units require special handling and disposal as specified in the decommissioning specifications.

3.22. Rodent control devices

During the FEA, no rodent control devices were observed or recorded.

3.23. Substation transformers

During the FEA, ten substations were observed or recorded.

3.24. Transformers

During the FEA, fifty-seven transformers were observed. Twenty-one were gas filled, thirty-three were dry, and two were oil filled transformers. The oil filled transformers were located in the waste water treatment plant. Table 1 identifies the location of the observed transformers.

3.25. Underground storage tanks

During the FEA, no USTs were observed or recorded. USTs were removed in 2007.

3.26. Other

Miscellaneous items such as bottles of cutting oil in 360 body shop cabinets were identified during the FEA. These items are listed on Table 1.

Items which could not be fully accessed during the FEA inventory are to be inspected during the O&C phase. These items are listed on Table 1. It should be noted that various energized electrical cabinets, storage cabinets, cribs, and lockers located throughout the facility were locked; therefore, these areas were inaccessible during the FEA. These items should be inspected during the O&C phase, as noted in Table 1.

4.0. Applicable government regulations

General applicability of codes and regulations, and standards

Except to the extent that more explicit or more stringent requirements are written directly into the contract documents, the applicable codes, regulations, and standards have the same force and effect (and are made a part of the contract documents by reference) as if copied directly into the contract documents, or as if published copies are bound herewith.

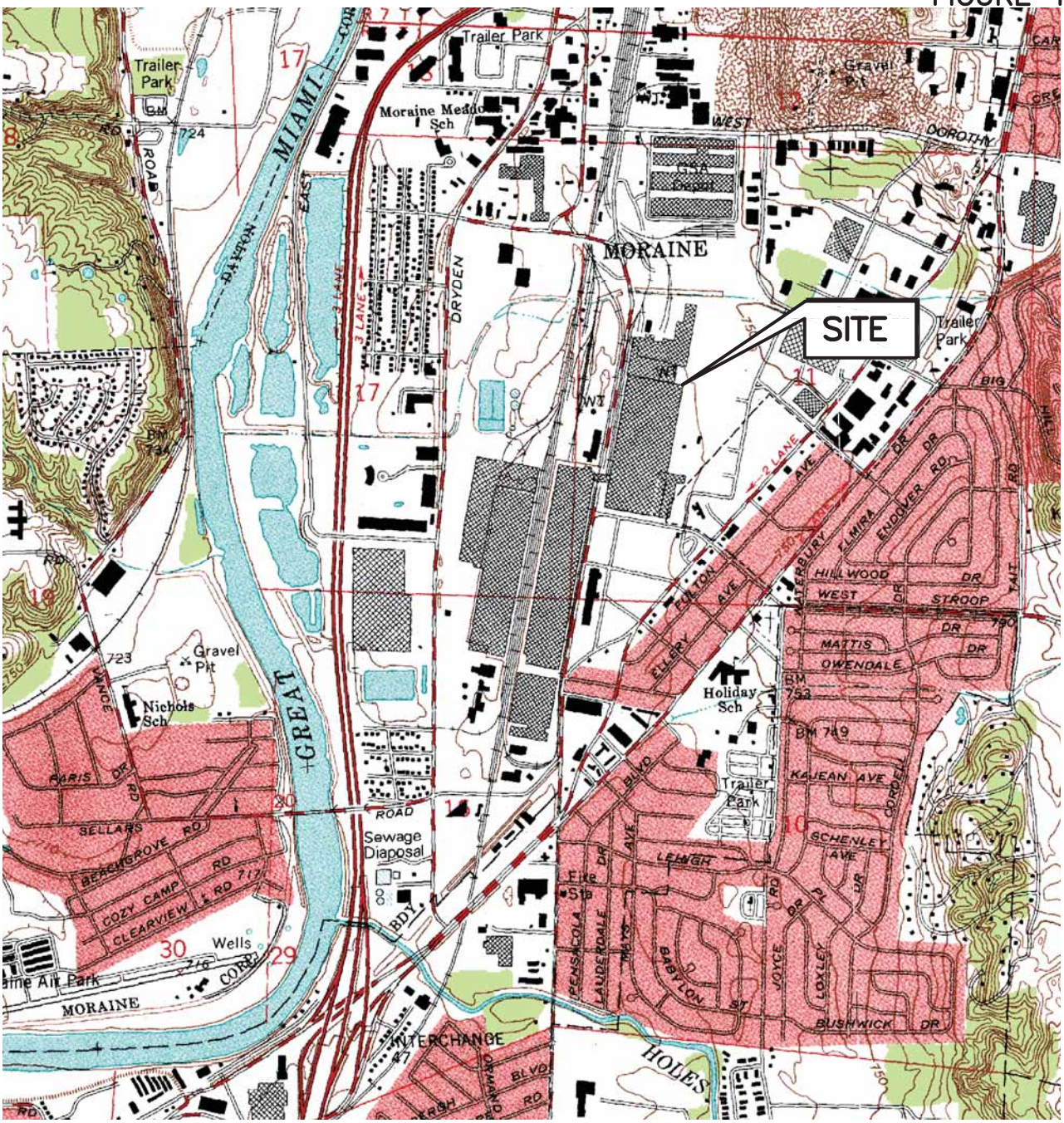
Contractor responsibility

The contractor shall assume full responsibility and liability for the compliance with applicable Federal, State, and local regulations pertaining to work practices, transportation, disposal, and protection of workers, visitors to the site, and persons occupying areas adjacent to the site. The contractor is responsible for providing medical examinations and maintaining medical records of personnel as required by the applicable Federal, State, and local regulations. The contractor shall hold GM and O'Brien & Gere harmless for failure to comply with applicable work, transportation, disposal, safety, health, or other regulation on the part of himself, his employees, or his subcontractors.

Work performed under this contract shall comply with applicable provisions, including the most current versions, and not limited to the listed codes and regulations.

Figures

FIGURE 1



ADAPTED FROM: DAYTON – SOUTH, OHIO U.S.G.S. 7.5 MIN. QUAD

QUADRANGLE LOCATION

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
2601 W STROOP RD, MORAINE, OHIO

SITE LOCATION MAP

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

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MARCH 2009

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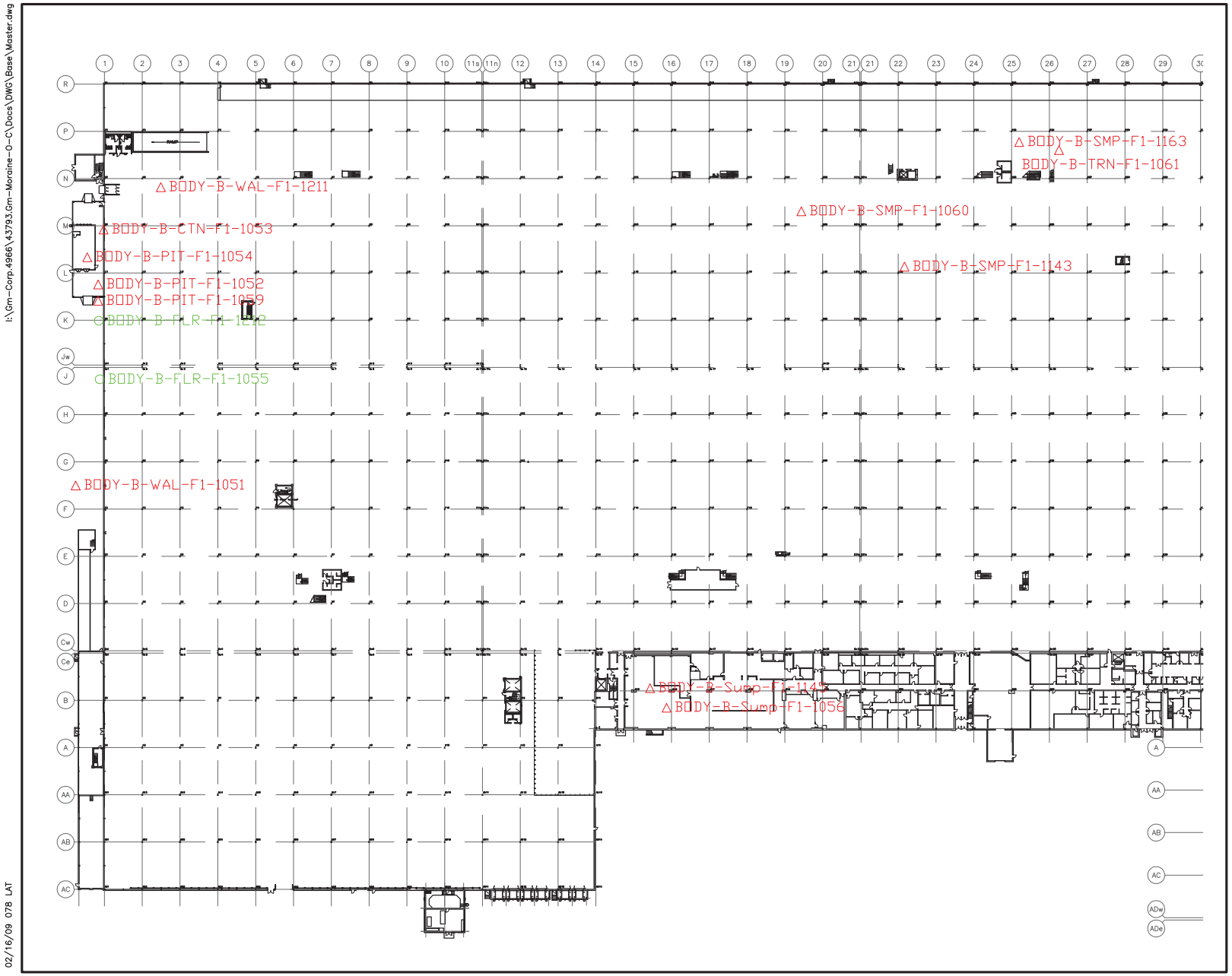
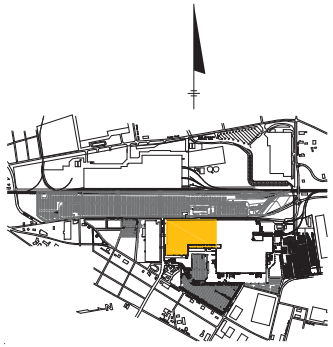
FIGURE 2





PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008	BULK SAMPLE LOCATION
○CCMP-B-FLR-F1-1007	DRILL SAMPLE LOCATION
□CCMP-1-DRL-F1-1219	WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'MAIN ASSEMBLY WITH AISLES' DRAWING (NOT DATED).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
MAIN ASSEMBLY
– BASEMENT

1"=100' 100 0 100

FILE NO. 4966.43793–001
MARCH 2009

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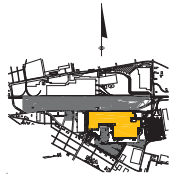
FIGURE 3



PLAN

NOT TO SCALE

LEGEND

BULK SAMPLE LOCATION

DRILL SAMPLE LOCATION

WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'MAIN ASSEMBLY WITH AISLES' DRAWING (NOT DATED).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO
CLIENT NAME 4

SAMPLE LOCATION MAP
MAIN ASSEMBLY
– FIRST FLOOR

1"=100'

FILE NO. 4966.43793-001
MARCH 2009

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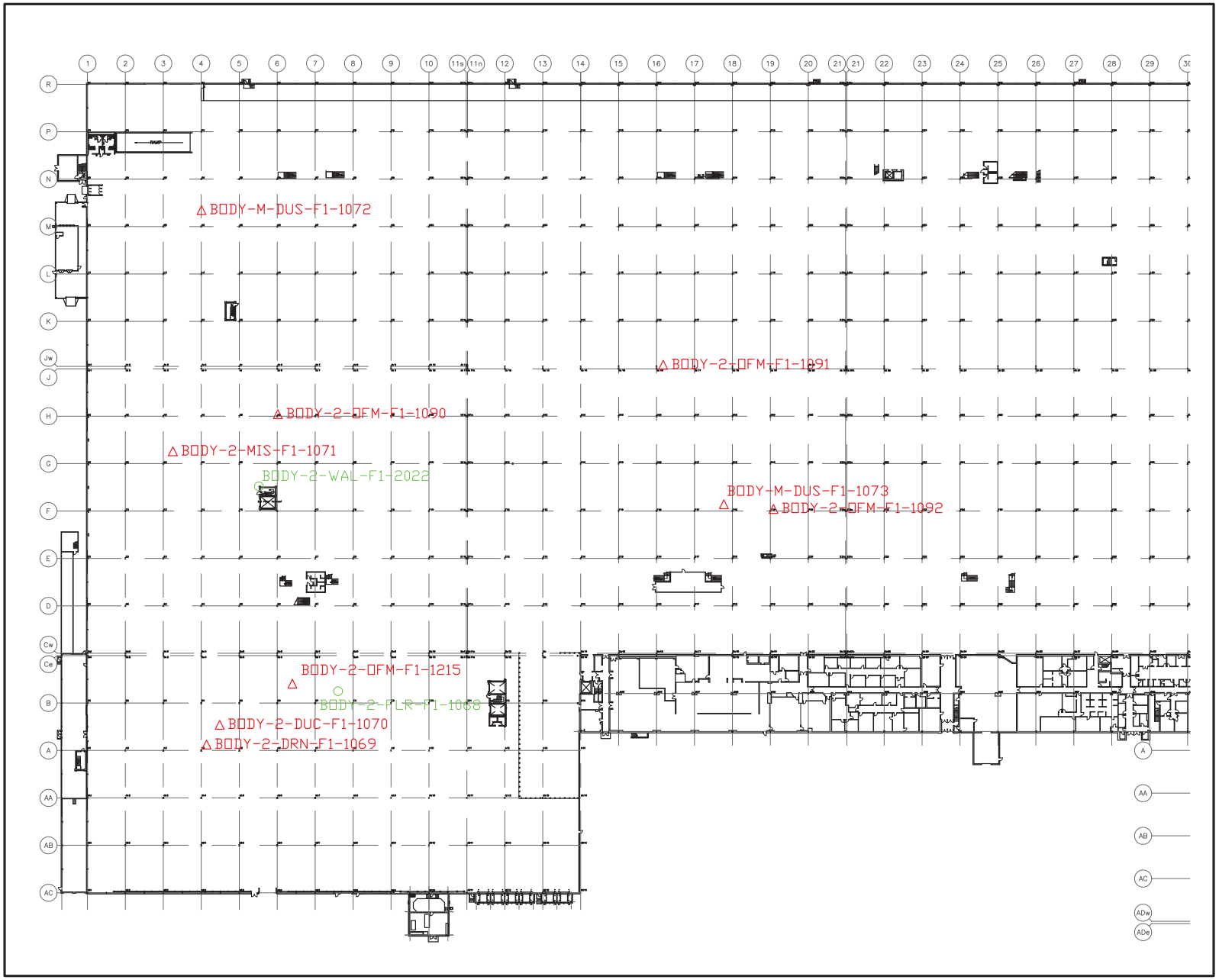
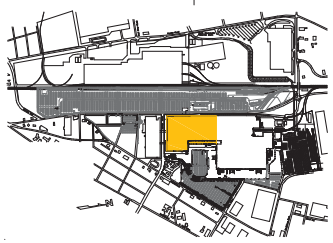


FIGURE 4



PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008	BULK SAMPLE LOCATION
○CCMP-B-FLR-F1-1007	DRILL SAMPLE LOCATION
□CCMP-1-DRL-F1-1219	WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'MAIN ASSEMBLY WITH AISLES' DRAWING (NOT DATED).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
MAIN ASSEMBLY
– MEZZANINES &
SECOND FLOOR

1"=100' 100 0 100

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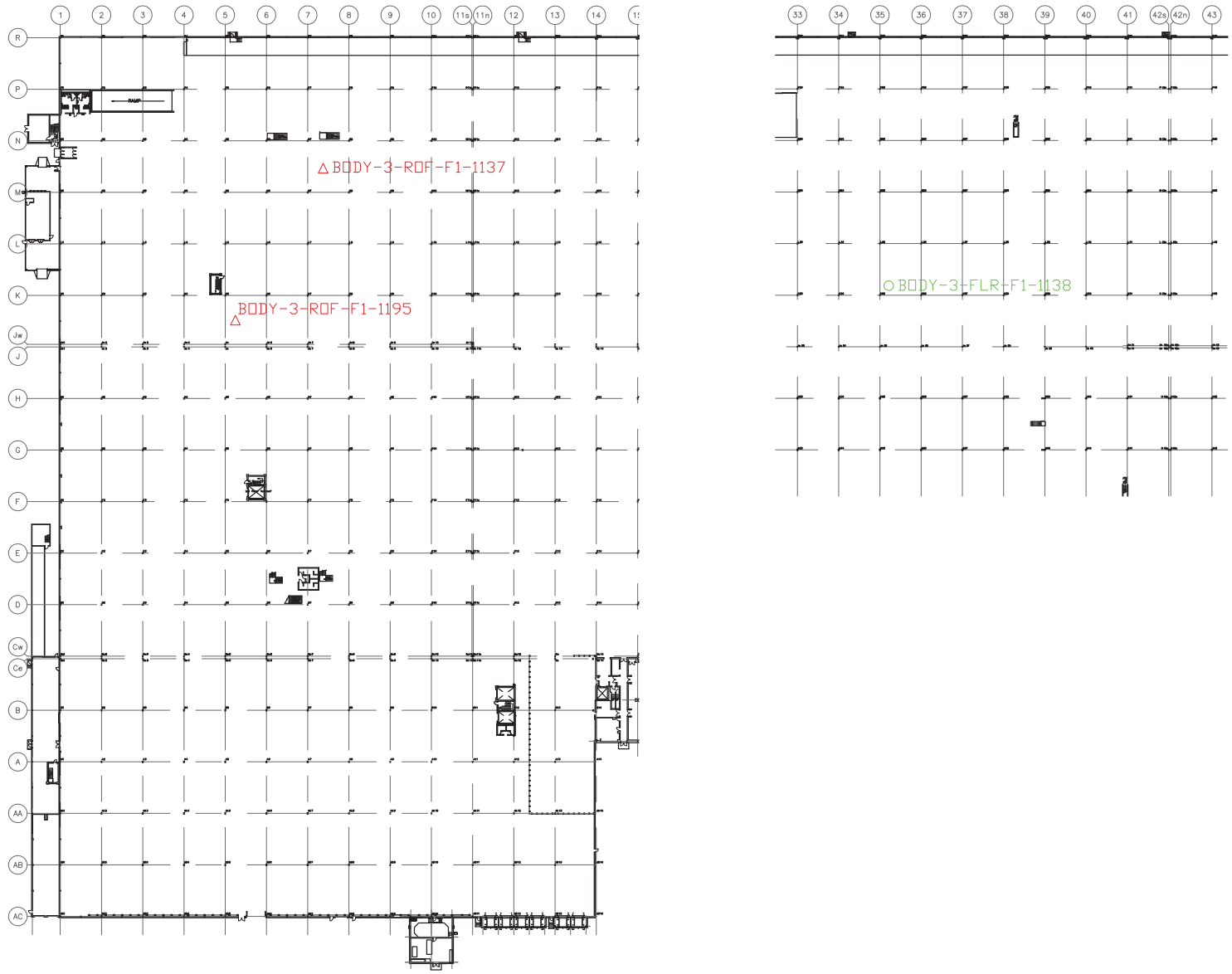
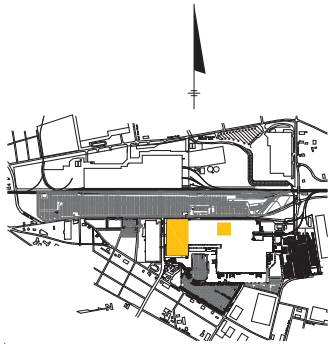


FIGURE 5



PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008	BULK SAMPLE LOCATION
○CCMP-B-FLR-F1-1007	DRILL SAMPLE LOCATION
□CCMP-1-DRL-F1-1219	WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'MAIN ASSEMBLY WITH AISLES' DRAWING (NOT DATED).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
MAIN ASSEMBLY
– THIRD FLOOR

1"=100' 100 0 100

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MARCH 2009

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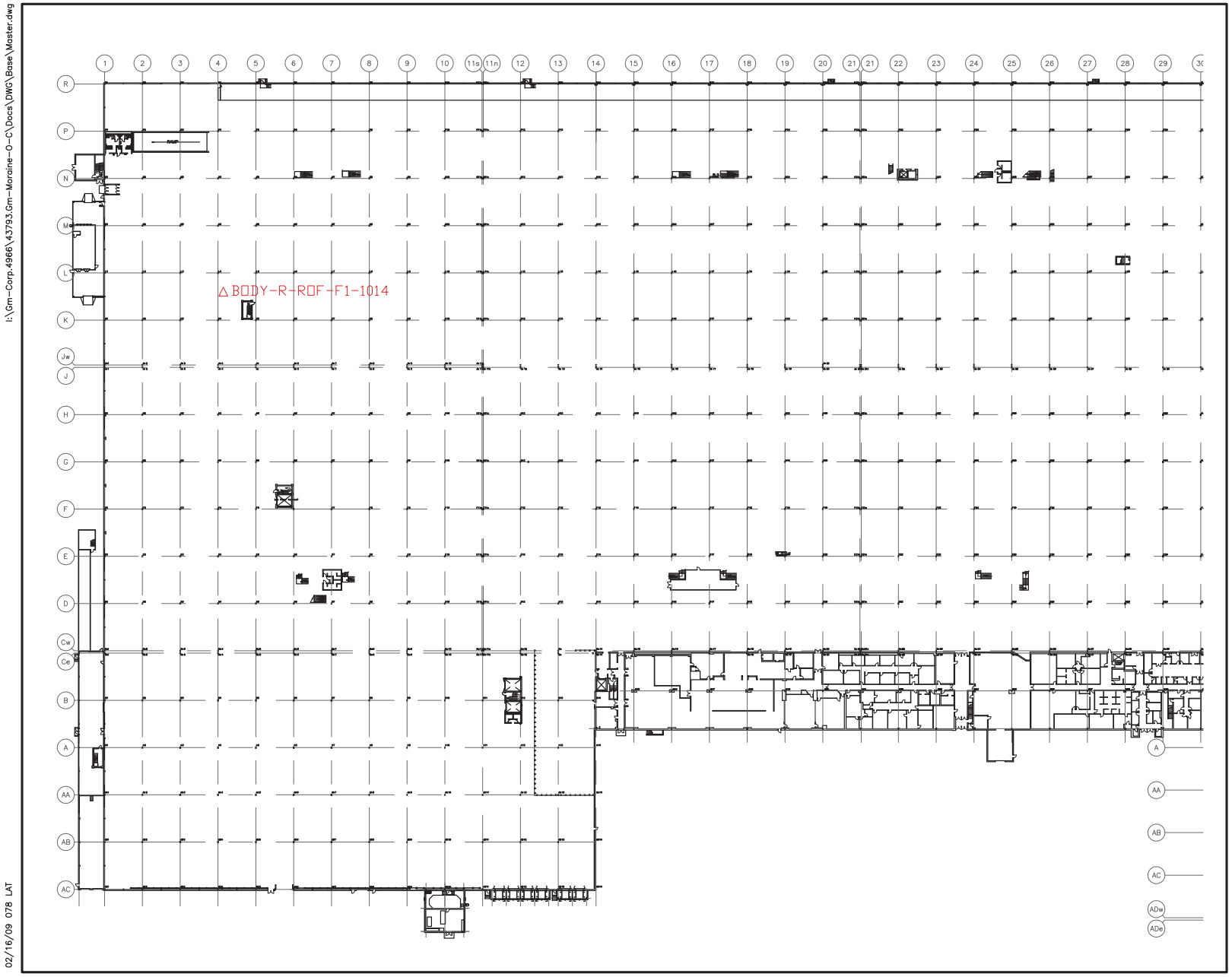
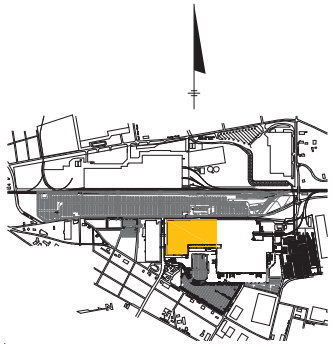
FIGURE 6





PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008 BULK SAMPLE LOCATION

○CCMP-B-FLR-F1-1007 DRILL SAMPLE LOCATION

□CCMP-1-DRL-F1-1219 WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'MAIN ASSEMBLY WITH AISLES' DRAWING (NOT DATED).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
MAIN ASSEMBLY
– ROOF LEVEL

1"=100' 100 0 100

FILE NO. 4966.43793–001
MARCH 2009

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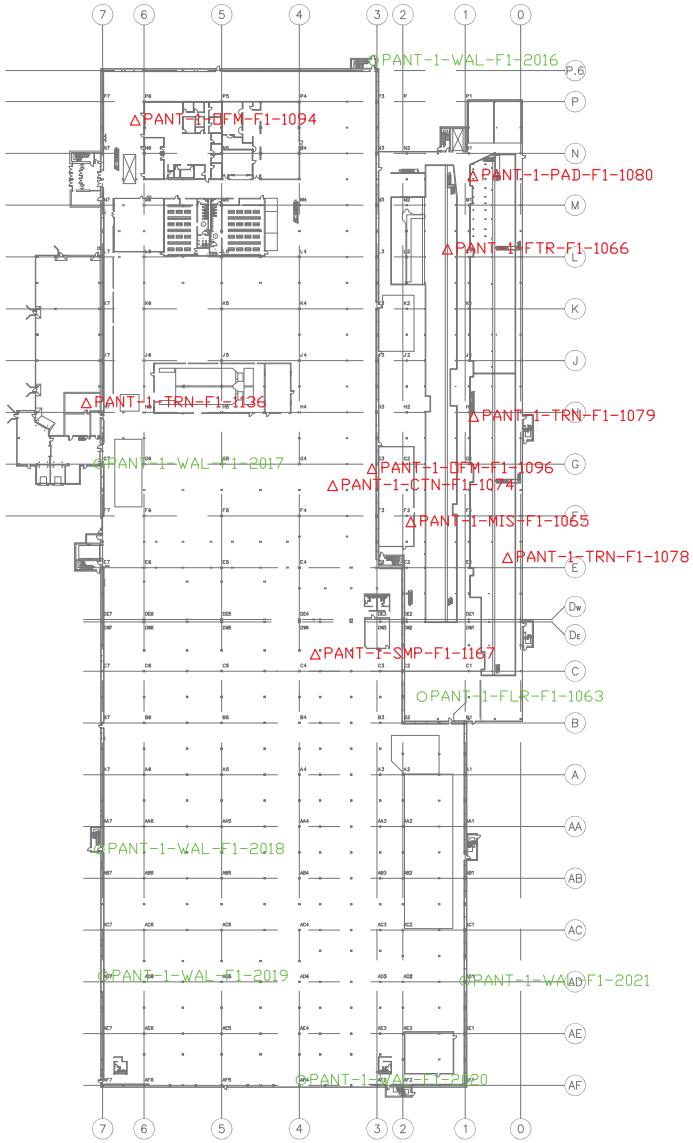

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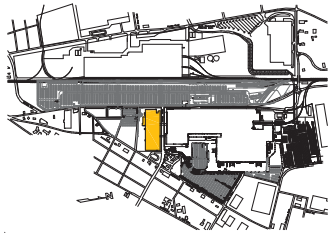

PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008	BULK SAMPLE LOCATION
○CCMP-B-FLR-F1-1007	DRILL SAMPLE LOCATION
□CCMP-1-DRL-F1-1219	WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'MAIN ASSEMBLY WITH AISLES' DRAWING (NOT DATED).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
PAINT SHOP
– FIRST FLOOR

1"=120' 120 0 120

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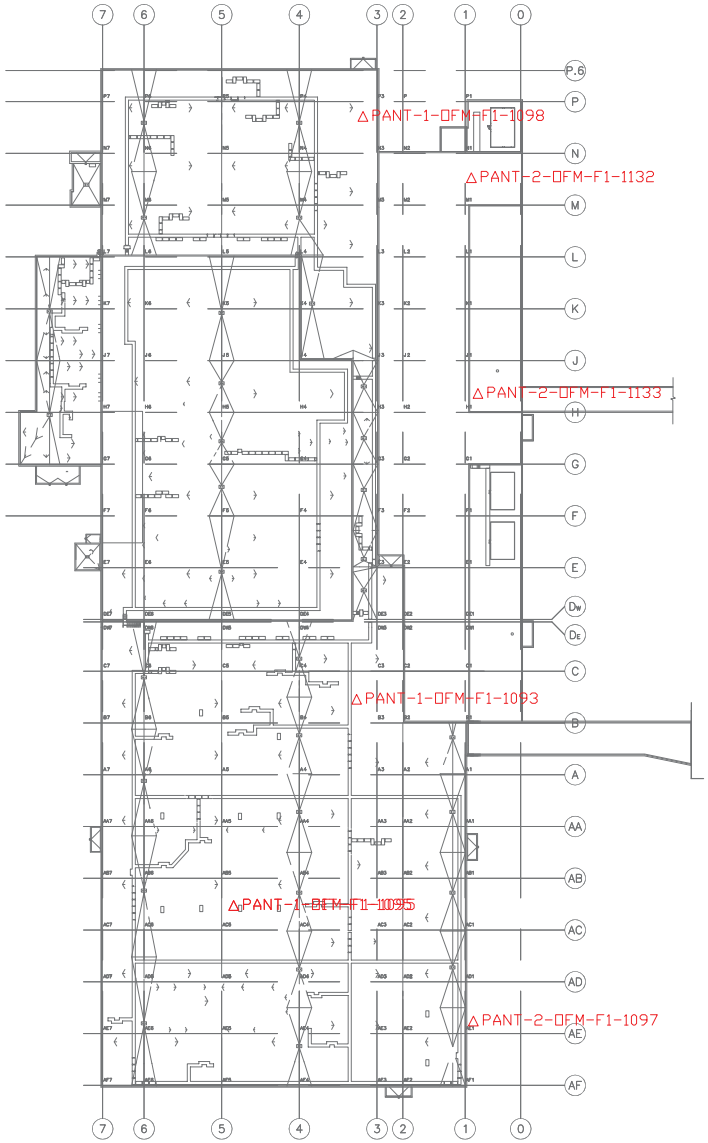

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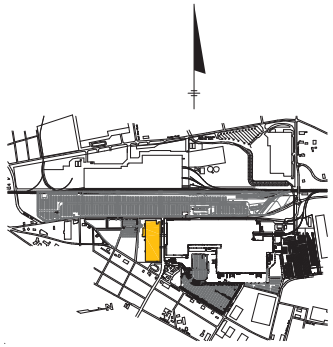

PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008	BULK SAMPLE LOCATION
○CCMP-B-FLR-F1-1007	DRILL SAMPLE LOCATION
□CCMP-1-DRL-F1-1219	WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'MAIN ASSEMBLY WITH AISLES' DRAWING (NOT DATED).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
PAINT SHOP
– SECOND FLOOR

1"=120' 120 0 120

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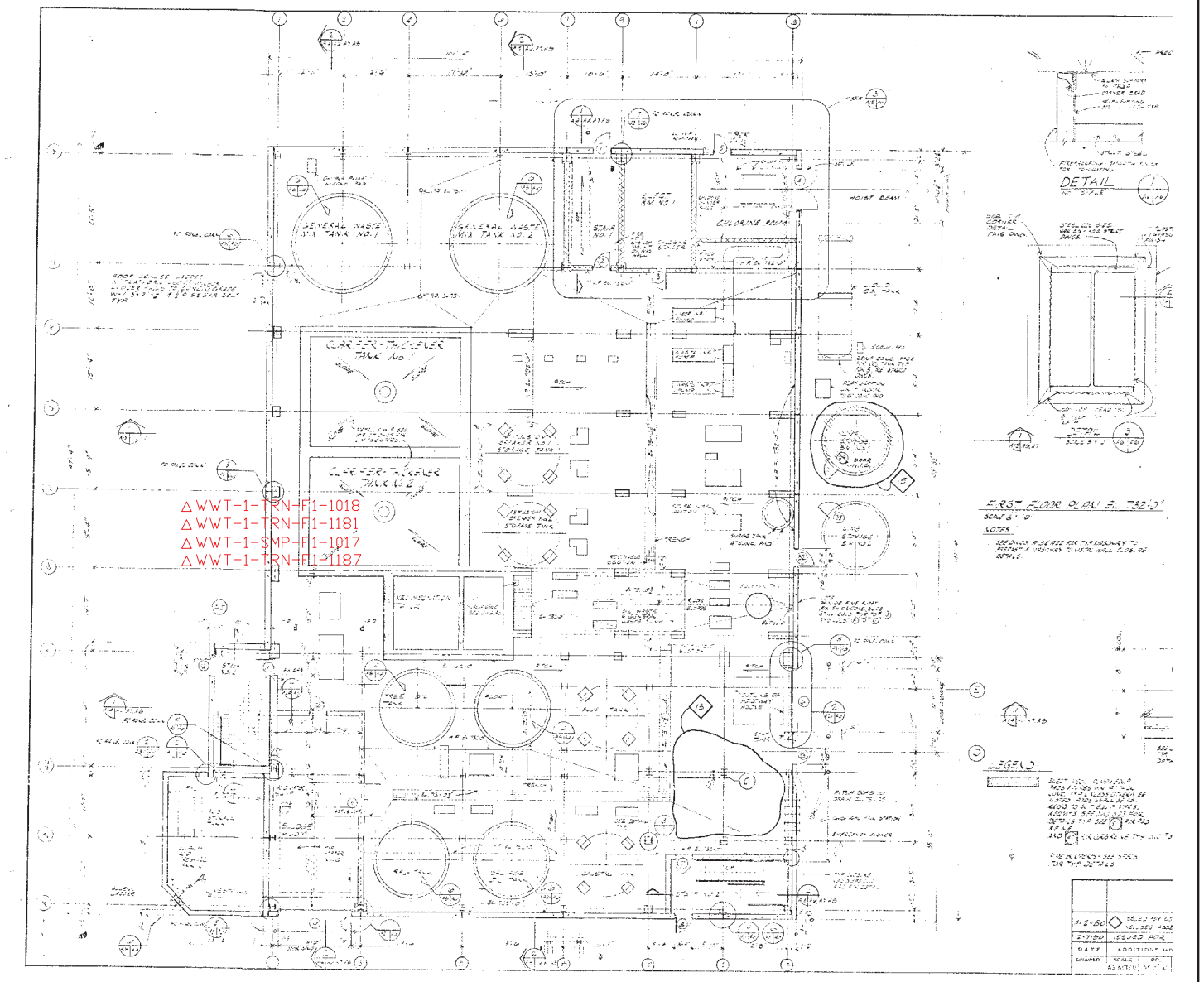
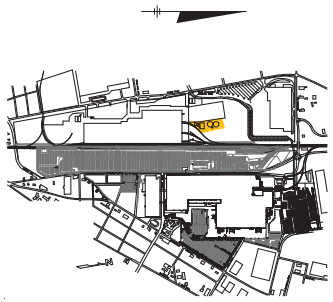
FIGURE 11





PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008 BULK SAMPLE LOCATION

○CCMP-B-FLR-F1-1007 DRILL SAMPLE LOCATION

□CCMP-1-DRL-F1-1219 WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'DELCO AIR CONDITIONING PLANT – FIRST FLOOR PLAN' DRAWING (DATED FEB 1980).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
WWTP
– FIRST FLOOR

1"=20' 20 0 20

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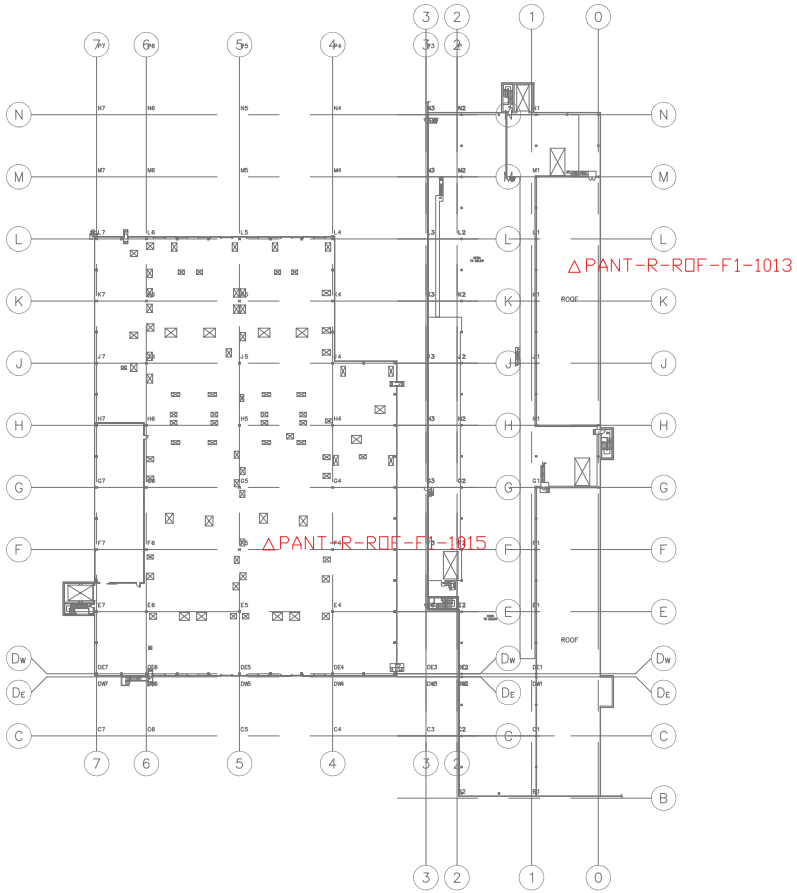
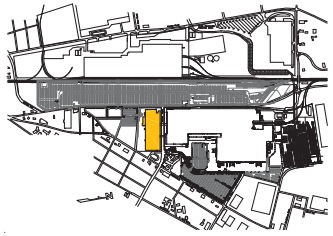


FIGURE 10



PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008	BULK SAMPLE LOCATION
○CCMP-B-FLR-F1-1007	DRILL SAMPLE LOCATION
□CCMP-1-DRL-F1-1219	WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'MAIN ASSEMBLY WITH AISLES' DRAWING (NOT DATED).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
PAINT SHOP
– ROOF

1"=100' 100 0 100

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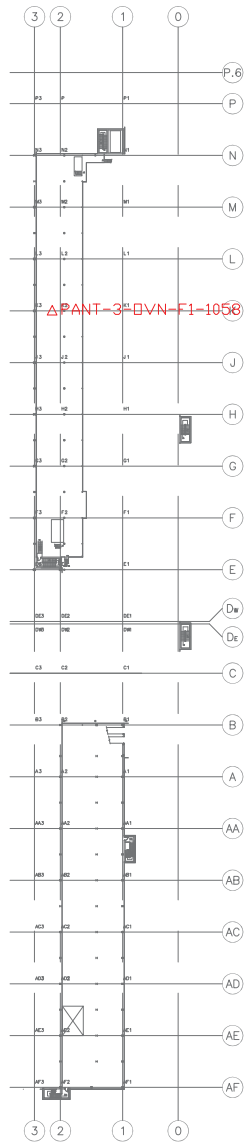
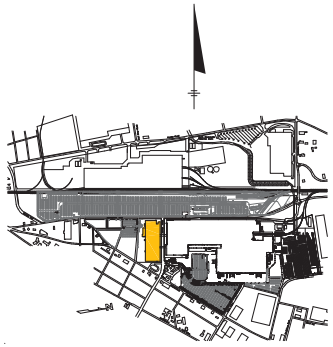


FIGURE 9



PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008 BULK SAMPLE LOCATION

○CCMP-B-FLR-F1-1007 DRILL SAMPLE LOCATION

□CCMP-1-DRL-F1-1219 WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'MAIN ASSEMBLY WITH AISLES' DRAWING (NOT DATED).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
PAINT SHOP
– THIRD FLOOR

1"=120' 120 0 120

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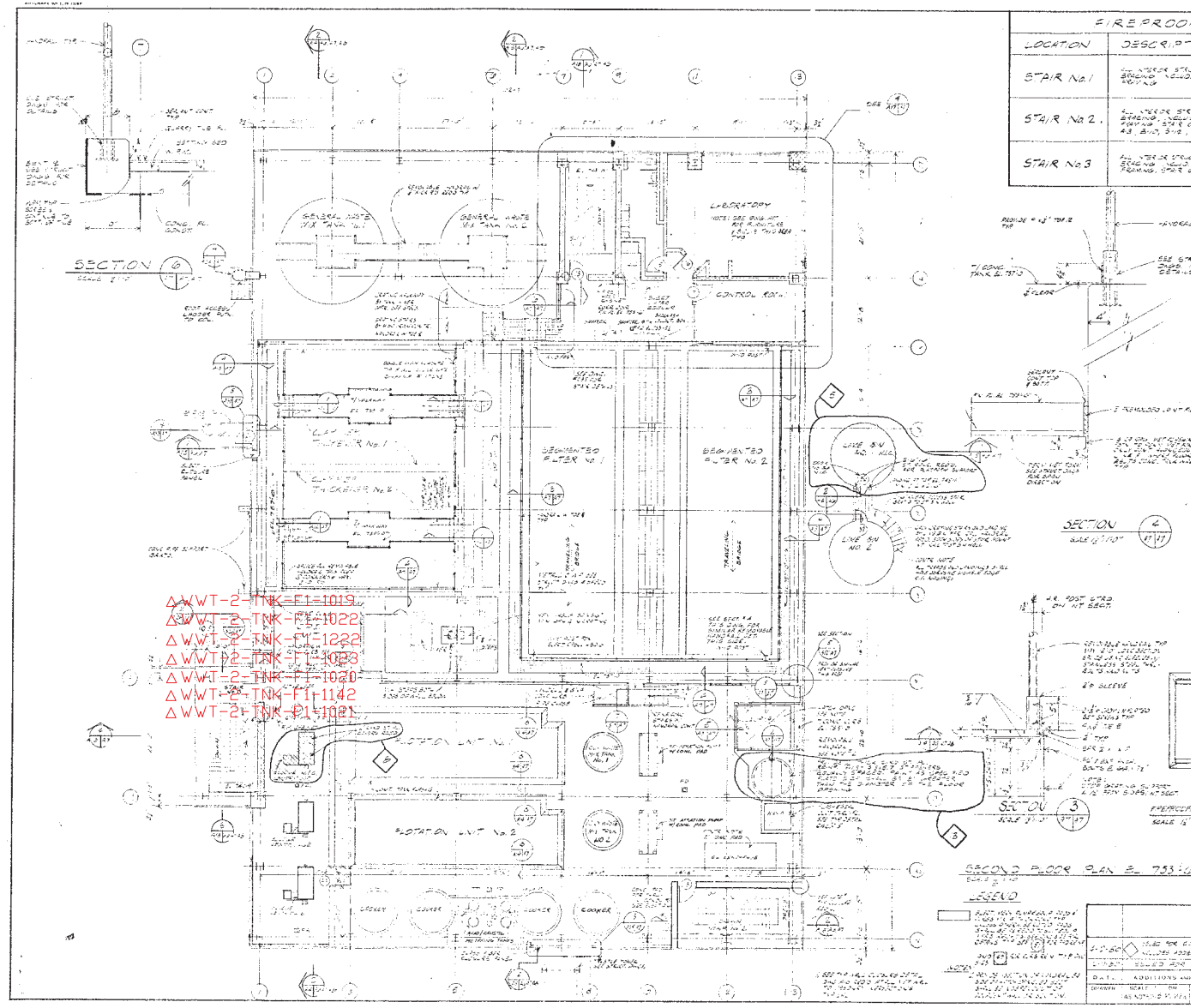
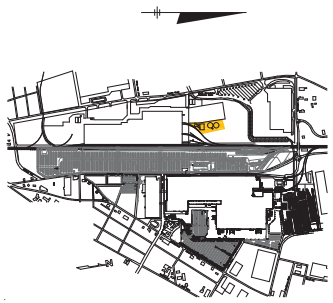
FIGURE 12





PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008 BULK SAMPLE LOCATION

○CCMP-B-FLR-F1-1007 DRILL SAMPLE LOCATION

□CCMP-1-DRL-F1-1219 WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'DELCO AIR CONDITIONING PLANT – SECOND FLOOR PLAN' DRAWING (DATED FEB 1980).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
WWTP
– SECOND FLOOR

1"=20' 20 0 20

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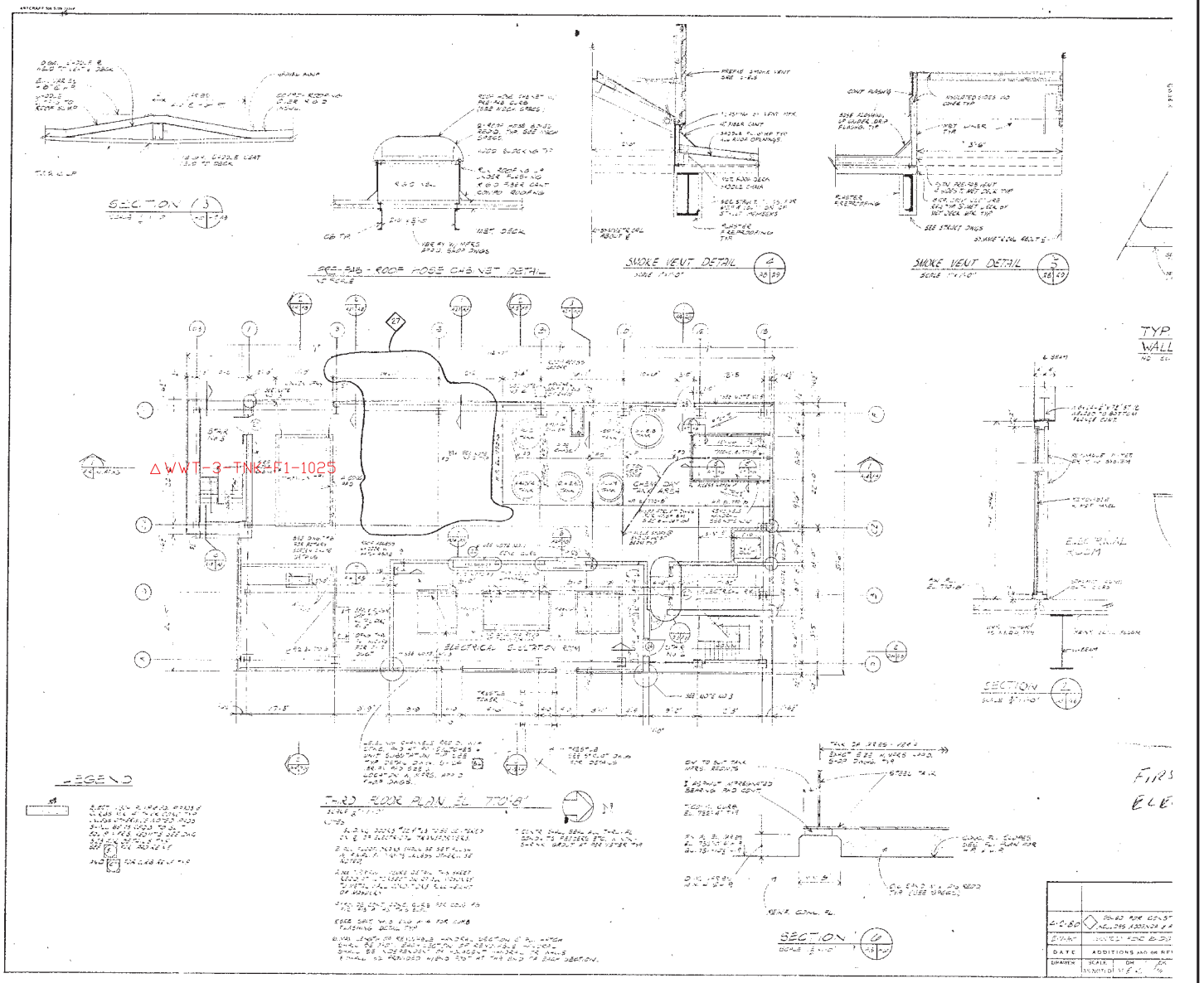
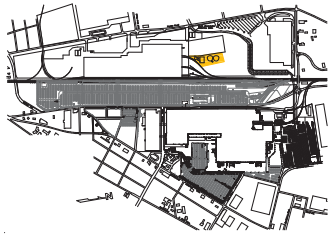
FIGURE 13





PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008 BULK SAMPLE LOCATION

○CCMP-B-FLR-F1-1007 DRILL SAMPLE LOCATION

□CCMP-1-DRL-F1-1219 WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'DELCO AIR CONDITIONING PLANT – THIRD FLOOR PLAN' DRAWING (DATED FEB 1980).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
WWTP
– THIRD FLOOR

1"=20' 20 0 20

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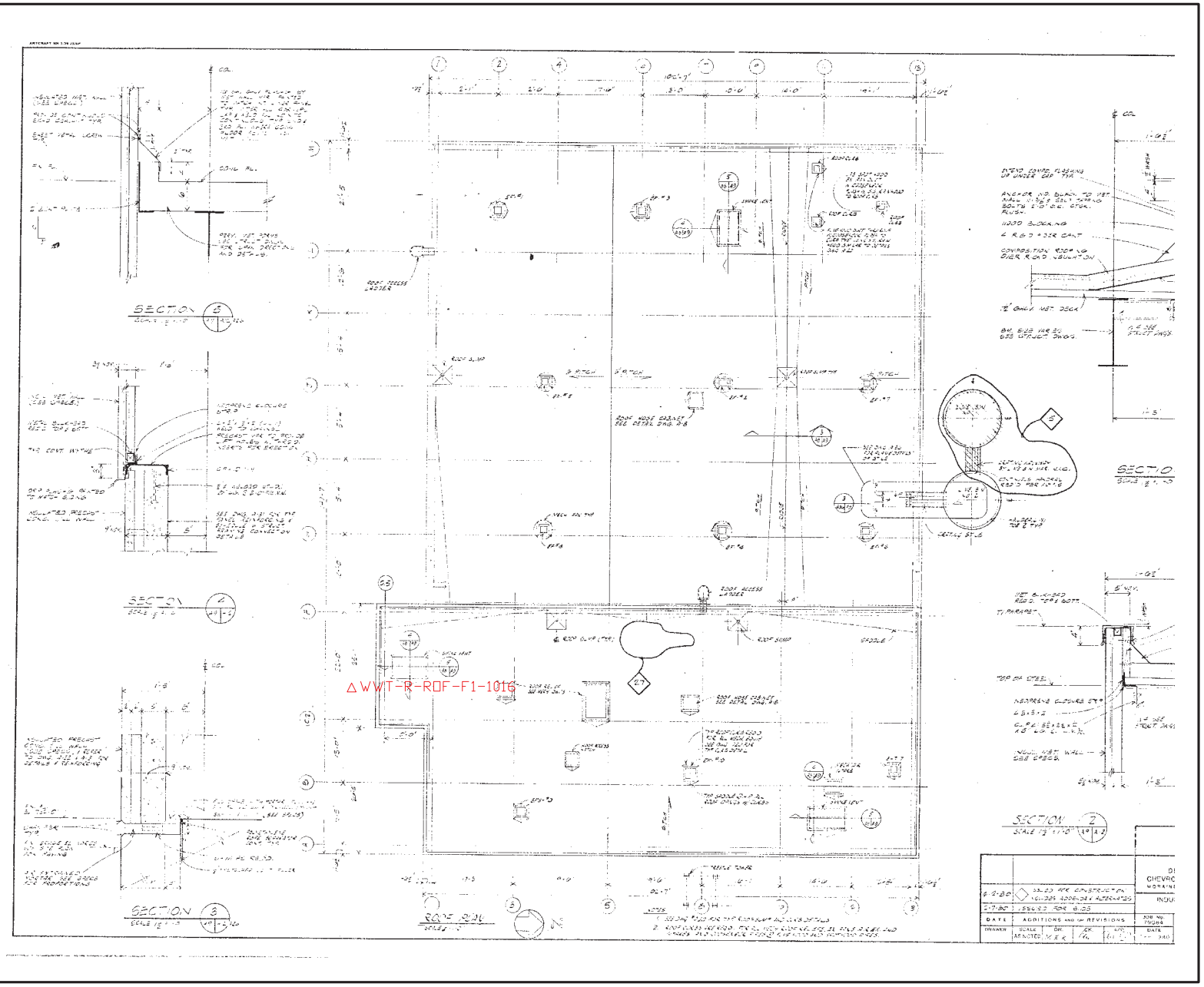
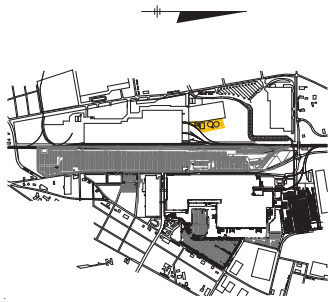
FIGURE 14





PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008 BULK SAMPLE LOCATION

○CCMP-B-FLR-F1-1007 DRILL SAMPLE LOCATION

□CCMP-1-DRL-F1-1219 WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'DELCO AIR CONDITIONING PLANT – ROOF PLAN AND DETAILS' DRAWING (FEB 1980).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
WWTP
– ROOF LEVEL

1"=20' 20 0 20

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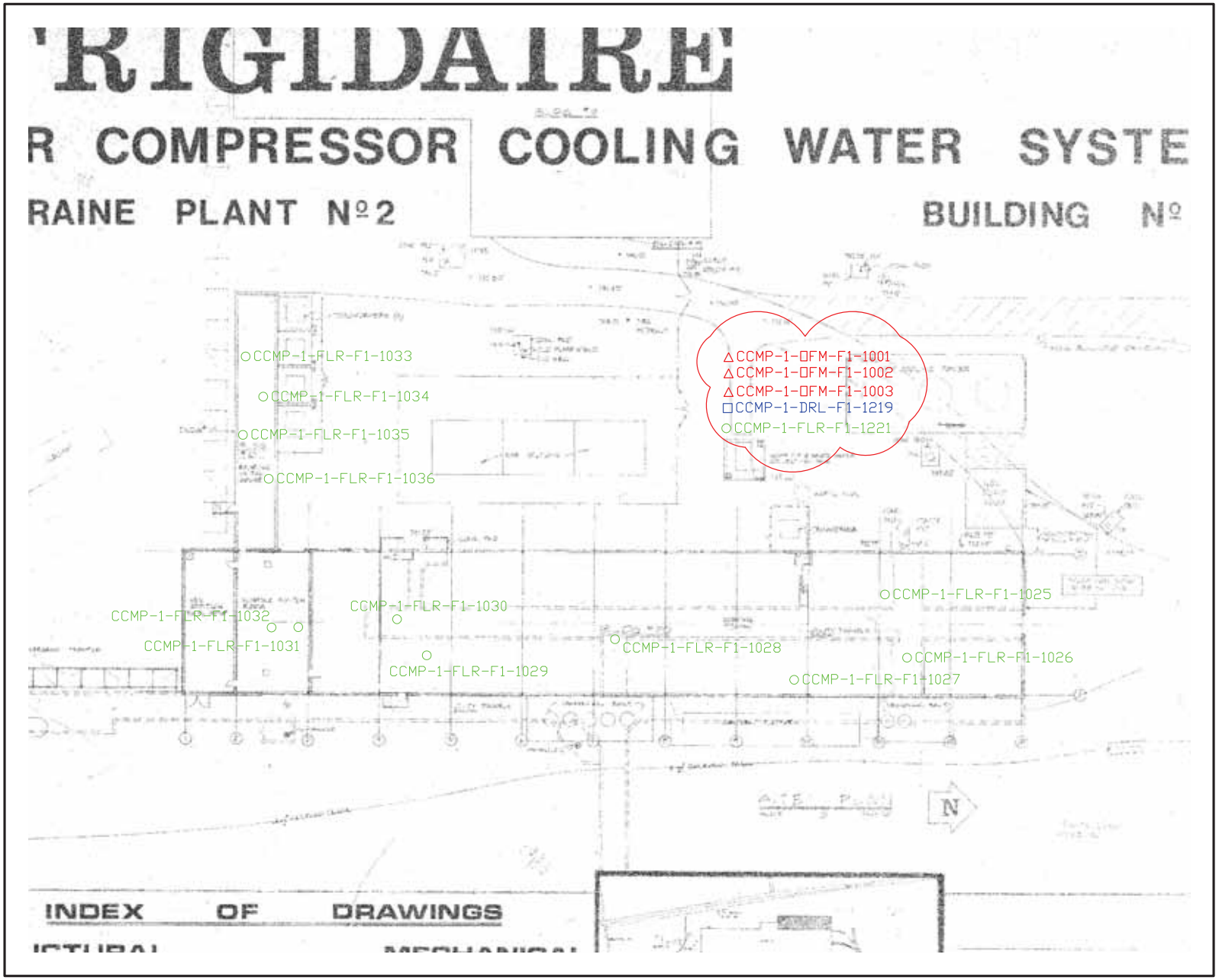
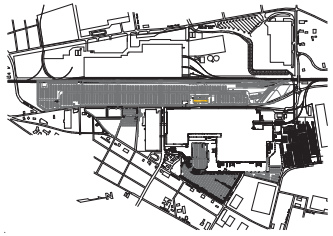
FIGURE 16





PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008	BULK SAMPLE LOCATION
○CCMP-B-FLR-F1-1007	DRILL SAMPLE LOCATION
□CCMP-1-DRL-F1-1219	WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'FRIGIDAIRE AIR COMPRESSOR COOLING WATER SYSTEM' DRAWING (JULY 1973).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
AIR COMPRESSOR BLDG
– FIRST FLOOR

1"=5' 5 0 5

FILE NO. 4966.43793–001
MARCH 2009

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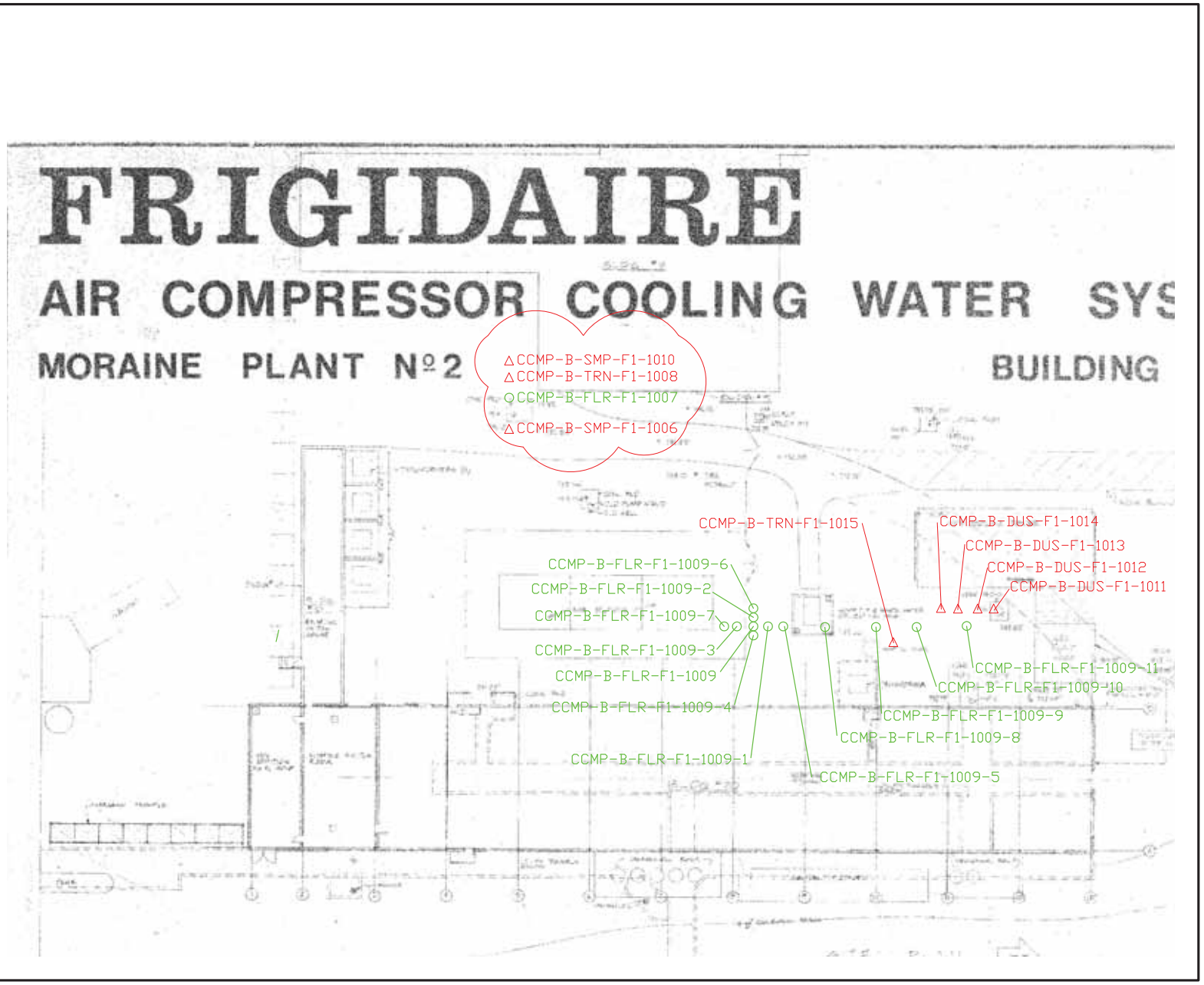
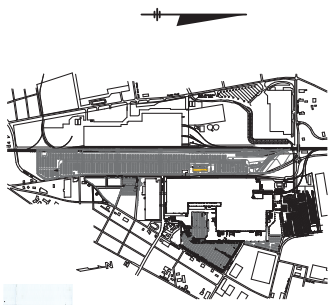
FIGURE 15





PLAN

NOT TO SCALE

LEGEND

△CCMP-B-TRN-F1-1008 BULK SAMPLE LOCATION

○CCMP-B-FLR-F1-1007 DRILL SAMPLE LOCATION

□CCMP-1-BRL-F1-1219 WIPE SAMPLE LOCATION

NOTES:

1. BASE DRAWING ADAPTED FROM GM'S 'FRIGIDAIRE AIR COMPRESSOR COOLING WATER SYSTEM' DRAWING (JULY 1973).

GENERAL MOTORS
GMVM MORAINE ASSEMBLY
MORAINE, OHIO

SAMPLE LOCATION MAP
AIR COMPRESSOR BLDG
– BASEMENT LEVEL

1"=20' 20 0 20

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Tables

GENERAL MORTORS CORPORATION
Moraine Assembly
Moraine, Ohio
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 1
LEGEND

Item of interest	Area Description
AST	aboveground storage tank
BAT	batteries
BTH	booth
CAP	capacitor
CFC	chloroflourcarbon devices
CNT	container
CNV	conveyor
CRA	crane
CRT	cathode ray tube
CTN	containment
CYL	cylinder
DRN	drain
DUC	duct
DUS	dust
ELB	emergency light
FEX	fire extinguisher
FFL	fluid filled line
FLR	floor
FTR	filter
GEN	generator
INC	incinerator
LIT	light fixtures
MCD	mercury containing device
MED	medical waste
MIS	miscellanous materials
OFM	oil filled machinery & equipment
OVN	oven
PAD	pad
PIT	pit
RAD	radioactive device
ROF	roof
RRT	railroad track
SMP	sump
TNK	tank
TRA	transformer
TRN	trench
UST	underground storage tank
WAL	wall

Building	Building Abreviation
Administration	ADMN
Allied Office Building	ALO
Body	BODY
CVO	CVO
ELPO	
General Assembly	GENA
Main Plant Roof	MPR
Misc. Out Buildings	MISC
Old Compressor House	OCMP
Paint	PANT
Waste Water Treatment	WWTP

GENERAL MORTORS CORPORATION
Moraine Assembly
Moraine, Ohio
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 1
ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
532	BAT	emergency light	ADMN	02			2	Each	Combination exit/emergency light in EDS
616	BAT	emergency light	ADMN	01			1	Each	Exercise room
618	BAT	exit sign	ADMN	01			3	Each	Lunch Room (with emergency lights)
622	BAT	emergency light	ADMN	01			1	Each	Medical Office
630	BAT	exit sign	ADMN	01			4	Each	Hallway
646	BAT	exit sign	ADMN	01			1	Each	Parts Learning Room
661	BAT	emergency light	ADMN	01			1	Each	Training Department
668	BAT	emergency light	ADMN	01			1	Each	Employee Relations
671	BAT	emergency light	ADMN	01			1	Each	Safety
672	BAT	exit sign	ADMN	01			1	Each	Safety
1609	BAT	exit sign	ADMN	02			3	Each	In hallway
1614	BAT	emergency light	ADMN	02			1	Each	Hallway
1630	BAT	emergency light	ADMN	02			1	Each	Premier Offices
1636	BAT	emergency light	ADMN	02			1	Each	South Computer Room
1650	BAT	exit sign	ADMN	03			2	Each	Hallway
565	CFC	drinking fountain	ADMN	03			1	Each	Hallway
566	CFC	refrigerated vending machine	ADMN	03			1	Each	Hallway
584	CFC	freezer/cooler	ADMN	02			1	Each	Quality Control Office
607	CFC	freezer/cooler	ADMN	01			4	Each	Cafeteria - North
608	CFC	refrigerated vending machine	ADMN	01			8	Each	Cafeteria - North - Lunch Room
613	CFC	drinking fountain	ADMN	01			2	Each	Locker Room
627	CFC	freezer/cooler	ADMN	01			1	Each	Medical
633	CFC	refrigerated vending machine	ADMN	01			3	Each	Hallway
634	CFC	drinking fountain	ADMN	01			1	Each	Hallway
639	CFC	freezer/cooler	ADMN	01			1	Each	IUE Office
647	CFC	drinking fountain	ADMN	01			1	Each	Parts Learning Room
653	CFC	drinking fountain	ADMN	01			1	Each	Salaried Personnel
681	CFC	freezer/cooler	ADMN	01			2	Each	Special Events Room South
683	CFC	freezer/cooler	ADMN	01			12	Each	Cafeteria South
684	CFC	ice machine	ADMN	01			1	Each	Cafeteria South
1610	CFC	drinking fountain	ADMN	02			3	Each	Hallway
1621	CFC	refrigerated vending machine	ADMN	02			1	Each	Breakroom
1626	CFC	freezer/cooler	ADMN	02			1	Each	Facility Maintenance Office
1635	CFC	HVAC unit	ADMN	02			1	Each	South Computer Room - Liebert HVAC Unit
1638	CFC	freezer/cooler	ADMN	02			1	Each	Premier Offices
1645	CFC	drinking fountain	ADMN	03			1	Each	Hallway
1647	CFC	freezer/cooler	ADMN	03			1	Each	Room 308A
6633	CFC	freezer/cooler	ADMN	03	B	16	3	Each	North penthouse
6634	CFC	drinking fountain	ADMN	03	B	16	13	Each	North penthouse
6636	CFC	electrical control cabinet air	ADMN	03	B	16	19	Each	North penthouse on floor
6641	CFC	window/wall air conditioner	ADMN	03	B	16	5	Each	North penthouse on floor
564	CNT	pail	ADMN	03			5	Gal	Acrylic sealer in hallway

GENERAL MORTORS CORPORATION
Moraine Assembly
Moraine, Ohio
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 1
ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6638	CNT	pail	ADMN	03	B	16	2	Each	North penthouse - 1 gal soybean oil
522	CRT	computer monitor	ADMN	02			13	Each	Quality Control Office
524	CRT	computer monitor	ADMN	02			1	Each	Material Control Confrerence Room
526	CRT	television	ADMN	02			1	Each	Material Control Conference Room
528	CRT	television	ADMN	02			6	Each	Storage Room
529	CRT	computer monitor	ADMN	02			3	Each	Storage Room
530	CRT	control panel CRT	ADMN	02			1	Each	Storage Room
535	CRT	computer monitor	ADMN	02			1	Each	PMM
536	CRT	computer monitor	ADMN	02			2	Each	Factory Maintenance Office
537	CRT	computer monitor	ADMN	02			1	Each	Chemical Management Office
539	CRT	computer monitor	ADMN	03			4	Each	Room 311
541	CRT	control panel CRT	ADMN	03			6	Each	Room 309
543	CRT	television	ADMN	03			1	Each	Room 301
544	CRT	computer monitor	ADMN	03			1	Each	Room 301
545	CRT	television	ADMN	03			1	Each	Room 303
548	CRT	computer monitor	ADMN	03			1	Each	South end office
549	CRT	television	ADMN	03			1	Each	South end office
550	CRT	computer monitor	ADMN	03			1	Each	Room 308
574	CRT	computer monitor	ADMN	03			1	Each	Training room
577	CRT	computer monitor	ADMN	03			3	Each	Safety Training Office
579	CRT	computer monitor	ADMN	02			1	Each	Plant Manager's Office
580	CRT	television	ADMN	02			1	Each	Plant Manager's Office
583	CRT	television	ADMN	02			1	Each	Material Control Conference Room
586	CRT	computer monitor	ADMN	01			1	Each	Modular Work Group Training
589	CRT	television	ADMN	02			1	Each	Old Payroll
592	CRT	television	ADMN	03			1	Each	office across from 311
593	CRT	computer monitor	ADMN	03			1	Each	Technology Lab
594	CRT	computer monitor	ADMN	03			1	Each	Room 304B
600	CRT	computer monitor	ADMN	02			21	Each	EDS Office
601	CRT	computer monitor	ADMN	02			1	Each	Mail Room
602	CRT	computer monitor	ADMN	02			30	Each	Material Purchasing
605	CRT	computer monitor	ADMN	02			3	Each	Vehicle Engineering Assembly
606	CRT	computer monitor	ADMN	01			2	Each	Cafeteria - North
609	CRT	television	ADMN	01			1	Each	Cafeteria - North - Lunch Room
615	CRT	television	ADMN	01			2	Each	Exercise Room
621	CRT	computer monitor	ADMN	01			2	Each	Medical Office
623	CRT	computer monitor	ADMN	01			4	Each	Medical
638	CRT	television	ADMN	01			1	Each	IUE Office
640	CRT	computer monitor	ADMN	01			1	Each	IUE Office
643	CRT	computer monitor	ADMN	01			2	Each	Suggestion Department
651	CRT	computer monitor	ADMN	01			3	Each	Peer Support Help Senter
657	CRT	television	ADMN	01			2	Each	Salaried Personnel

GENERAL MORTORS CORPORATION
Moraine Assembly
Moraine, Ohio
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 1
ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
659	CRT	computer monitor	ADMN	01			1	Each	Salaried Personnel Department
662	CRT	television	ADMN	01			4	Each	Training Department
663	CRT	computer monitor	ADMN	01			2	Each	Training Department
667	CRT	computer monitor	ADMN	01			6	Each	Employee Relations
675	CRT	television	ADMN	01			1	Each	Safety
676	CRT	computer monitor	ADMN	01			1	Each	Safety
678	CRT	television	ADMN	01			1	Each	Hallway
679	CRT	television	ADMN	01			1	Each	Special Events Room - South
682	CRT	computer monitor	ADMN	01			1	Each	Cafeteria South
1617	CRT	computer monitor	ADMN	02			1	Each	Mail Room
1618	CRT	computer monitor	ADMN	02			5	Each	Finance Office
1620	CRT	television	ADMN	02			1	Each	Finance Office
1622	CRT	television	ADMN	02			1	Each	Breakroom
1624	CRT	television	ADMN	02			1	Each	P.E. Converence Room
1625	CRT	television	ADMN	02			1	Each	Facility Maintenance Office
1627	CRT	television	ADMN	02			3	Each	Facility Maintenance Office
1629	CRT	computer monitor	ADMN	02			2	Each	Truck Repair Office
1631	CRT	computer monitor	ADMN	02			3	Each	Premier Offices
1633	CRT	television	ADMN	02			1	Each	South Computer Room
1634	CRT	computer monitor	ADMN	02			2	Each	South Computer Room
1642	CRT	control panel CRT	ADMN	03			1	Each	Telecommunications Cabinet
1643	CRT	television	ADMN	03			1	Each	Predictive Office
1644	CRT	computer monitor	ADMN	03			4	Each	Predictive Office
1646	CRT	television	ADMN	03			1	Each	Room 308A
1648	CRT	computer monitor	ADMN	03			2	Each	Room 308A
1651	CRT	control panel CRT	ADMN	03			2	Each	Hallway
6635	CYL	compressed gas - R22	ADMN	03	B	16	1	Each	North penthouse
6642	CYL	compressed gas - R22	ADMN	03	B	16	5	Each	North Penthouse - 20# tanks
567	FEX	20# dry	ADMN	03			1	Each	Hallway
568	FEX	20# dry	ADMN	03			1	Each	Hallway
585	FEX	20# dry	ADMN	01			1	Each	Modular Work Group Training
591	FEX	20# CO2	ADMN	03			1	Each	office across from 311
610	FEX	20# CO2	ADMN	01			1	Each	Cafeteria - North - Lunch Room
611	FEX	20# water	ADMN	01			1	Each	Cafeteria - North - Lunch Room
619	FEX	20# water	ADMN	01			1	Each	Medical Office
624	FEX	20# CO2	ADMN	01			1	Each	Medical
631	FEX	20# water	ADMN	01			3	Each	Hallway
632	FEX	20# CO2	ADMN	01			1	Each	Hallway
658	FEX	20# CO2	ADMN	01			1	Each	Salaried Personnel
665	FEX	20# water	ADMN	01			1	Each	Training Department
666	FEX	20# water	ADMN	01			2	Each	Employee Relations
670	FEX	20# CO2	ADMN	01			1	Each	Employee Relations

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
680	FEX	20# CO2	ADMN	01			1	Each	Special Events Room South
685	FEX	20# CO2	ADMN	01			2	Each	Cafeteria South
686	FEX	20# water	ADMN	01			1	Each	Cafeteria south
1611	FEX	20# CO2	ADMN	02			4	Each	Hallway
1612	FEX	20# water	ADMN	02			3	Each	Hallway
1632	FEX	20# CO2	ADMN	02			2	Each	South Computer Room
1640	FEX	20# CO2	ADMN	03			3	Each	Hallway
6617	FEX	20# CO2	ADMN	03	B	16	2	Each	North penthouse
6637	FEX	20# water	ADMN	03	B	16	2	Each	North penthouse
6632	FTR	air filter	ADMN	03	B	16	5	Each	North penthouse fan houses
575	LIT	4 ' 2 bulb 1 ballast	ADMN	03			1	Each	Throughout
576	LIT	8 ' 2 bulb 1 ballast	ADMN	03			1	Each	Throughout
596	LIT	8 ' 1 bulb 1 ballast	ADMN	02			1	Each	Plant Engineering Conference Room
597	LIT	4" 3 bulb 2 ballast	ADMN	02			1	Each	Plant Engineering Conference Room
612	LIT	4 ' 4 bulb 2 ballast	ADMN	01			1	Each	Cafeteria - North
614	LIT	4 ' 4 bulb 2 ballast	ADMN	01			1	Each	Locker Room
617	LIT	4 ' 4 bulb 2 ballast	ADMN	01			1	Each	Exercise Room
620	LIT	4" 3 bulb 2 ballast	ADMN	01			1	Each	Medical Office
635	LIT	4 ' 4 bulb 2 ballast	ADMN	01			1	Each	Hallway
636	LIT	4" 3 bulb 2 ballast	ADMN	01			1	Each	IUE Office
641	LIT	4" 3 bulb 2 ballast	ADMN	01			1	Each	Spiritual reflection room
644	LIT	4" 3 bulb 2 ballast	ADMN	01			1	Each	Suggestion Department
650	LIT	4 ' 2 bulb 1 ballast	ADMN	01			1	Each	Parts Learning Room
652	LIT	4 ' 4 bulb 2 ballast	ADMN	01			1	Each	Peer Support Help Center
654	LIT	4 ' 4 bulb 2 ballast	ADMN	01			1	Each	Salaried Personnel
660	LIT	4 ' 4 bulb 2 ballast	ADMN	01			1	Each	Training Department
673	LIT	4 ' 4 bulb 2 ballast	ADMN	01			1	Each	Safety
674	LIT	4 ' 2 bulb 1 ballast	ADMN	01			1	Each	Safety
1615	LIT	2 ' 1 bulb,1 ballast u-	ADMN	02			1	Each	Hallway
1616	LIT	4 ' 2 bulb 1 ballast	ADMN	02			1	Each	Hallway
1641	LIT	2 ' 1 bulb,1 ballast u-	ADMN	03			1	Each	Throughout
1652	LIT	8 ' 2 bulb 1 ballast	ADMN	03			1	Each	Throughout
521	MCD	thermostat	ADMN	02			1	Each	Plant Manager's Conference Room
523	MCD	thermostat	ADMN	02			4	Each	Quality Control Office
525	MCD	thermostat	ADMN	02			1	Each	Material Control Conference Room
527	MCD	thermostat	ADMN	02			2	Each	Storage Room
531	MCD	thermostat	ADMN	02			1	Each	VAR Room
534	MCD	thermostat	ADMN	02			2	Each	EDS
538	MCD	thermostat	ADMN	03			1	Each	Room 310
540	MCD	thermostat	ADMN	03			1	Each	Room 311
542	MCD	thermometer	ADMN	03			1	Each	Room 309
578	MCD	thermostat	ADMN	02			2	Each	Planning Administration Office

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
581	MCD	thermostat	ADMN	02			2	Each	Plant Manager's Office
582	MCD	thermostat	ADMN	02			1	Each	Material Control Conference Room
587	MCD	thermostat	ADMN	01			1	Each	Modular Work Group Training
588	MCD	thermostat	ADMN	02			2	Each	Old Payroll
590	MCD	thermostat	ADMN	03			1	Each	office across from 311
595	MCD	thermometer	ADMN	03			1	Each	Room 304B
598	MCD	thermostat	ADMN	02			1	Each	Plant Engineering Conference Room
599	MCD	thermometer	ADMN	02			5	Each	EDS Office (Honeywell)
603	MCD	thermostat	ADMN	02			5	Each	Material Purchasing (Honeywell)
604	MCD	thermostat	ADMN	02			8	Each	Vehicle Engineering Assembly
629	MCD	thermostat	ADMN	01			1	Each	Medical
637	MCD	thermostat	ADMN	01			1	Each	IUE Office
642	MCD	thermostat	ADMN	01			1	Each	Suggestion Department
655	MCD	thermostat	ADMN	01			1	Each	Salaried Personnel
656	MCD	thermostat	ADMN	01			1	Each	Peer Support Help Center
664	MCD	thermostat	ADMN	01			1	Each	Training Department
669	MCD	thermostat	ADMN	01			2	Each	Employee Relations
677	MCD	thermostat	ADMN	01			1	Each	Safety
1613	MCD	thermostat	ADMN	02			1	Each	Hallway
1619	MCD	thermostat	ADMN	02			4	Each	Finance Office
1623	MCD	thermometer	ADMN	02			1	Each	P.E. Converence Room
1628	MCD	thermostat	ADMN	02			1	Each	Print Room
1637	MCD	thermostat	ADMN	02			1	Each	South Computer Room
1639	MCD	thermostat	ADMN	02			1	Each	Premier Offices
1649	MCD	thermostat	ADMN	03			1	Each	Room 308A
628	MED	sharps	ADMN	01			3	Each	Medical - various containers
546	OFM	robot	ADMN	03			1	Each	TL3R2 controller and arm Room 305
547	OFM	robot	ADMN	03			1	Each	TL3R1 controller and arm Room 305
569	OFM	gear box	ADMN	03			1	Each	overhead door - training room
570	OFM	lift	ADMN	03			1	Each	Training room
571	OFM	gear box	ADMN	03			1	Each	Training room
572	OFM	oil reservoir	ADMN	03			1	Each	Training room
573	OFM	air line lubricator	ADMN	03			1	Each	Training Room
645	OFM	gear box	ADMN	01			4	Each	Parts Learning Room - garage doors
648	OFM	lift	ADMN	01			2	Each	Parts Learning Room
649	OFM	oil reservoir	ADMN	01			2	Each	Parts Learning Room
6639	OFM	hydraulic pump	ADMN	03	B	16	100	Gal	North penthouse
6643	OFM	gear box - over head door	ADMN	03	B	16	1	Each	North penthouse
6644	OFM	gear box	ADMN	03	B	16	2	Each	North penthouse - on rack
533	RAD	smoke detector	ADMN	02			12	Each	EDS
625	RAD	x-ray equipment	ADMN	01			1	Each	Medical - Lead wall enclosure
6631	RAD	smoke detector	ADMN	03	B	16	5	Each	North penthouse fan houses

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6640	TNK	glycol	ADMN	03	B	16	1	Each	North penthouse - 50 gal
626	WAL	lead lined	ADMN	01			1	Each	Medical - X-Ray
33	AST	gasoline	ALO	OE			1	Each	Located in yard near shed
31	BAT	exit sign	ALO	01			1	Each	
32	BAT	emergency light	ALO	01			1	Each	
19	CFC	Refrigerator	ALO	01			3	Each	CFCs
22	CFC	refrigerated vending machine	ALO	01			3	Each	
29	CFC	drinking fountain	ALO	01			1	Each	
20	CRT	television	ALO	01			1	Each	
21	CRT	computer monitor	ALO	01			10	Each	
37	FEX	20# CO2	ALO	01			1	Each	
38	FEX	20# water	ALO	01			3	Each	
39	FEX	20# CO2	ALO	OE			1	Each	
23	LIT	4" 3 bulb 2 ballast	ALO	01			1	Each	
30	LIT	4 ' 2 bulb 1 ballast	ALO	01			1	Each	
35	LIT	8 ' 2 bulb 1 ballast	ALO	OE			1	Each	
36	LIT	high intensity lamp	ALO	OE			1	Each	Located in area outside office
18	MCD	thermostat	ALO	01			1	Each	Possible Mercury
34	SMP	sump	ALO	01			1	Each	
6416	AST	hopper	BODY	02	B	6	1	Each	sawdust collector - MBM shop
6501	AST	hopper	BODY	02	D	9	1	Each	sand/dust
1464	BAT	battery bank	BODY	02			1	Each	Sub Station B - Fire Protection Panel
1474	BAT	battery bank	BODY	02			1	Each	Sub Station A Fire Protection Panel
1498	BAT	battery bank	BODY	OR			2	Each	Substation E - Fire Protection Panel
1542	BAT	fork truck	BODY	01	E	51	1	Each	Recharge Station
1556	BAT	fork truck	BODY	01	E	38	2	Each	fork truck, battery and recharge station
1558	BAT	electric cart	BODY	01	E	38	2	Each	Taylor Dunn and batteries / charging stations
1564	BAT	fork truck	BODY	01	E	35	1	Each	fork truck, battery and recharge station
1796	BAT	fork truck	BODY	01	F	43	2	Each	fork truck, battery and recharge station
1816	BAT	exit sign	BODY	01	H	52	1	Each	Tool repair
1825	BAT	scooter	BODY	01	H	46	5	Each	Scooter battery and charging Station
1832	BAT	fork truck	BODY	01	J	46	4	Each	fork truck, battery and recharge station
1838	BAT	fork truck	BODY	01	J	52	1	Each	fork truck, battery and recharge station
1840	BAT	fork truck	BODY	01	J	53	3	Each	fork truck, battery and recharge station
1842	BAT	fork truck	BODY	01	J	54	3	Each	fork truck, battery and recharge station
1847	BAT	exit sign	BODY	01	J	57	1	Each	
2005	BAT	exit sign	BODY	01	F	31	1	Each	CMM LAB
2032	BAT	exit sign	BODY	01	G	21	1	Each	
2217	BAT	exit sign	BODY	01	C	14	1	Each	
2224	BAT	fork truck	BODY	01	C	13	4	Each	with chargers
2235	BAT	fork truck	BODY	01	AA	13	2	Each	
2238	BAT	automobile	BODY	01	AA	13	8	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2241	BAT	exit sign	BODY	01	AB	14	1	Each	
2246	BAT	exit sign	BODY	01	AC	11	1	Each	
2250	BAT	exit sign	BODY	01	AD	10	1	Each	
2346	BAT	exit sign	BODY	01	AA	3	1	Each	
2474	BAT	exit sign	BODY	01	D	6	1	Each	
2477	BAT	fork truck	BODY	01	C	7	11	Each	fork truck, battery and recharge station
2502	BAT	exit sign	BODY	01	G	5	1	Each	
2617	BAT	exit sign	BODY	01	H	1	1	Each	
2621	BAT	exit sign	BODY	01	L	1	1	Each	
2636	BAT	exit sign	BODY	01	K	4	1	Each	
2759	BAT	exit sign	BODY	01	M	1	1	Each	
2760	BAT	exit sign	BODY	01	M	1	1	Each	
2762	BAT	exit sign	BODY	01	R	5	1	Each	
2765	BAT	exit sign	BODY	01	R	12	1	Each	
3925	BAT	automobile	BODY	01	D	49	1	Each	in electric cart
3956	BAT	fork truck	BODY	01	D	61	1	Each	fork truck, battery and recharge station
3983	BAT	exit sign	BODY	01	E	65	1	Each	
3986	BAT	exit sign	BODY	01	C	65	1	Each	
3988	BAT	fork truck	BODY	01	C	62	2	Each	fork truck, battery and recharge station
4025	BAT	exit sign	BODY	01	F	53	1	Each	
4033	BAT	automobile	BODY	01	H	52	1	Each	electric cart
4040	BAT	fork truck	BODY	01	G	47	5	Each	fork truck, battery and recharge station
4041	BAT	automobile	BODY	01	G	47	4	Each	Electric cart
4044	BAT	automobile	BODY	01	H	40	1	Each	Electric cart
4069	BAT	automobile	BODY	01	L	55	4	Each	Electric carts
4070	BAT	fork truck	BODY	01	L	55	1	Each	fork truck, battery and recharge station
4079	BAT	exit sign	BODY	01	K	57	1	Each	
4088	BAT	fork truck	BODY	01	N	56	2	Each	fork truck, battery and recharge station
4096	BAT	automobile	BODY	01	N	47	1	Each	Electric cart
4097	BAT	fork truck	BODY	01	N	47	5	Each	fork truck, battery and recharge station
4101	BAT	automobile	BODY	01	M	40	1	Each	Electric cart
4109	BAT	fork truck	BODY	01	N	36	10	Each	fork truck, battery and recharge station
4118	BAT	automobile	BODY	01	P	49	1	Each	Electric cart
4119	BAT	fork truck	BODY	01	P	49	13	Each	fork truck, battery and recharge station
4123	BAT	battery bank	BODY	01	P	54	9	Each	9 cells per pack
4124	BAT	automobile	BODY	01	P	54	5	Pallet	waste vehicle batteries
4154	BAT	exit sign	BODY	01	J	24	1	Each	
4155	BAT	exit sign	BODY	01	G	23	1	Each	
4156	BAT	automobile	BODY	01	G	23	1	Each	Electric cart
4175	BAT	automobile	BODY	01	D	23	1	Each	Electric cart
4236	BAT	automobile	BODY	01	H	34	5	Each	Electric carts
4330	BAT	exit sign	BODY	01	C	23	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4334	BAT	exit sign	BODY	01	C	28	1	Each	
4380	BAT	exit sign	BODY	OB	M	1	1	Each	In tunnel at M1
4402	BAT	emergency light	BODY	OB	F		1	Each	in tunnel
4408	BAT	emergency light	BODY	OB	F	25	1	Each	in tunnel
4414	BAT	emergency light	BODY	OB	F	31	1	Each	in tunnel
4415	BAT	emergency light	BODY	OB	F	22	1	Each	in tunnel
4416	BAT	emergency light	BODY	OB	F	28	1	Each	in tunnel
4418	BAT	emergency light	BODY	OB	F	34	1	Each	in tunnel
4419	BAT	emergency light	BODY	OB	F	40	1	Each	in tunnel
4422	BAT	exit sign	BODY	OB	F		1	Each	South end of tunnel
4472	BAT	emergency light	BODY	OB	B	19	1	Each	in room at end of tunnel
4477	BAT	emergency light	BODY	OB	B	19	1	Each	combination emergency light and exit sign
4489	BAT	exit sign	BODY	OB	B	17	1	Each	
4514	BAT	fork truck	BODY	01		0	1	Each	fork truck, battery and recharge station
4516	BAT	exit sign	BODY	01		0	4	Each	south of 1 column line
4520	BAT	fork truck	BODY	01		0	2	Each	forkntruck, battery and recharge station south of 1 column line
4527	BAT	exit sign	BODY	01	BT	5	1	Each	
4528	BAT	emergency light	BODY	01	BT	3	1	Each	
4530	BAT	exit sign	BODY	01	BT	0.9	1	Each	
4579	BAT	emergency light	BODY	01	B	3	1	Each	
4662	BAT	automobile	BODY	OB	N		2	Each	in N tunnel
4683	BAT	exit sign	BODY	OB	N		1	Each	in tunnel
5527	BAT	emergency light	BODY	02	B	11	1	Each	
5529	BAT	exit sign	BODY	02	A	9	1	Each	
5543	BAT	exit sign	BODY	02	B	9	1	Each	
5565	BAT	exit sign	BODY	02	K	4	1	Each	
5677	BAT	automobile	BODY	02	G	9	2	Each	electric cart
5772	BAT	exit sign	BODY	03	D	31	2	Each	
6008	BAT	exit sign	BODY	01	G	10	1	Each	
6016	BAT	automobile	BODY	01	B	12	1	Each	electric cart
6017	BAT	fork truck	BODY	01	B	12	2	Each	fork truck, battery and recharge station
6021	BAT	fork truck	BODY	01	A	12	3	Each	fork truck, battery and recharge station
6022	BAT	automobile	BODY	01	A	13	1	Each	street sweeper
6024	BAT	exit sign	BODY	01	A	12	1	Each	
6025	BAT	automobile	BODY	01	A	12	19	Each	on shelf
6027	BAT	automobile	BODY	01	A	12	1	Each	Tennant
6028	BAT	automobile	BODY	01	A	12	1	Each	crate of used batteries
6035	BAT	fork truck	BODY	01	AA	12	1	Each	onn pallet
6053	BAT	fork truck	BODY	01	AB	12	2	Each	fork truck, battery and recharge station
6055	BAT	exit sign	BODY	01	AC	13	1	Each	
6060	BAT	exit sign	BODY	01	AB	5	1	Each	
6077	BAT	fork truck	BODY	01	B	11	1	Each	fork truck, battery and recharge station

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6405	BAT	exit sign	BODY	01	F	41	1	Each	
6425	BAT	fork truck	BODY	02	C	7	2	Each	fork truck, battery and recharge station
6495	BAT	automobile	BODY	02	D	9	2	Each	electric cart
6512	BAT	exit sign	BODY	02	D	4	1	Each	
6515	BAT	fork truck	BODY	02	E	5	5	Each	fork truck, battery and recharge station
6961	BAT	exit sign	BODY	02	D	36	1	Each	restroom
7759	BLANK		BODY	2					
7757	Body - 3rd	J	BODY	3	ROF	F1			
7645	Body 1st	L	BODY	1	SMP	F1			
5787	BTH	wash bay	BODY	03	E	19	3	Each	Carrier cleaning booth
1465	CAP	substation	BODY	02			1	Each	Sub Station B
1473	CAP	substation	BODY	02			1	Each	Sub Station A
1475	CAP	substation	BODY	02			1	Each	Sub Station C
1495	CAP	substation	BODY	OR			1	Each	Substation E
1867	CAP	electrical control panel	BODY	01	L	37	2	Each	
1886	CAP	electrical control panel	BODY	01	N	33	1	Each	Dust collector # 5
1967	CAP	electrical control panel	BODY	01	L	24	1	Each	on hydraulic pump-on platform
2002	CAP	electrical control panel	BODY	01	J	26	1	Each	on Hydraulic pump
2021	CAP	electrical control panel	BODY	01	F	19	1	Each	on Hydraulic pump
2071	CAP	electrical control panel	BODY	01	J	20	1	Each	on Hydraulic pump
2249	CAP	electrical control panel	BODY	01	AD	10	1	Each	
3980	CAP	electrical control panel	BODY	01	D	60	2	Each	
4333	CAP	electrical control panel	BODY	01	C	26	1	Each	on wall
4344	CAP	electrical control panel	BODY	01	P	3	2	Each	on RO water panel
4395	CAP	electrical control panel	BODY	OB	N		1	Each	Big room in "N" tunnel
5522	CAP	substation	BODY	02	B	7	14	Each	0.3 gallons oil each
5530	CAP	control panel CRT	BODY	02	A	9	1	Each	Dryer panel
5611	CAP	electrical control panel	BODY	02	K	27	2	Each	conveyor 190 panel
5648	CAP	electrical control panel	BODY	02	G	16	1	Each	
5741	CAP	electrical control panel	BODY	03	P	11	2	Each	Drive 184 panel
5748	CAP	electrical control panel	BODY	03	P	12	3	Each	HUB
5754	CAP	electrical control panel	BODY	03	P	23	2	Each	Conveyor 183 panel
5781	CAP	electrical control panel	BODY	03	E	21	1	Each	Conveyor 301 panel
5797	CAP	electrical control panel	BODY	03			1	Each	abandoned prime & misc. #3 ASH
5801	CAP	electrical control panel	BODY	03			1	Each	abandoned 304 booth ASH
5805	CAP	electrical control panel	BODY	03			1	Each	abandoned 306 booth ASH
5837	CAP	electrical control panel	BODY	03			1	Each	abandoned cab & box touch up & misc.#2 ASH
5842	CAP	electrical control panel	BODY	03			1	Each	abandoned 208 booth ASH
5847	CAP	electrical control panel	BODY	03			8	Each	loose on floor - abandoned 206 booth ASH
5848	CAP	electrical control panel	BODY	03			1	Each	abandoned 206 booth ASH
5852	CAP	electrical control panel	BODY	03			1	Each	abandoned 204 booth ASH
5853	CAP	electrical control panel	BODY	03			2	Each	loose on floor - abandoned 204 booth ASH

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TABLE 1
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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5857	CAP	electrical control panel	BODY	03			1	Each	abandoned 202 booth ASH
5996	CAP	drinking fountain	BODY	01	H	13	1	Each	
6569	CAP	electrical control panel	BODY	OM	D	49	1	Each	
6590	CAP	electrical control panel	BODY	OM	N	34	1	Each	
6925	CAP	electrical control panel	BODY	02	L	3	2	Each	conveyor 189 panel
6927	CAP	electrical control panel	BODY	02	L	4	2	Each	conveyor 185 panel
6954	CAP	electrical control panel	BODY	02	L	27	2	Each	Conveyor panel for 187
485	CFC	HVAC unit	BODY	OR			1	Each	ASH 191 Trane Body Shop Office HVAC
1515	CFC	drinking fountain	BODY	01	E	41	1	Each	
1521	CFC	freezer/cooler	BODY	01	D	42	1	Each	
1523	CFC	electrical control cabinet air	BODY	01	D	42	1	Each	
1528	CFC	freezer/cooler	BODY	01	D	46	1	Each	
1530	CFC	drinking fountain	BODY	01	E	47	1	Each	
1531	CFC	freezer/cooler	BODY	01	D	47	1	Each	
1533	CFC	20# CO2	BODY	01	D	49	1	Each	
1535	CFC	electrical control cabinet air	BODY	01	D	52	1	Each	
1537	CFC	ice machine	BODY	01	E	53	1	Each	
1538	CFC	drinking fountain	BODY	01	E	53	1	Each	
1549	CFC	window/wall air conditioner	BODY	01	E	50	1	Each	
1561	CFC	window/wall air conditioner	BODY	01	E	38	1	Each	
1774	CFC	drinking fountain	BODY	01	G	36	1	Each	
1792	CFC	drinking fountain	BODY	01	G	40	1	Each	
1799	CFC	drinking fountain	BODY	01	G	47	1	Each	
1817	CFC	electrical control cabinet air	BODY	01	H	52	1	Each	Tool Repair
1820	CFC	drinking fountain	BODY	01	J	51	1	Each	
1823	CFC	freezer/cooler	BODY	01	H	46	1	Each	
1855	CFC	drinking fountain	BODY	01	M	49	1	Each	
1859	CFC	drinking fountain	BODY	01	M	45	1	Each	
1869	CFC	freezer/cooler	BODY	01	L	37	1	Each	
1874	CFC	drinking fountain	BODY	01	M	35	1	Each	
1899	CFC	drinking fountain	BODY	01	P	26	1	Each	
1914	CFC	ice machine	BODY	01	M	26	1	Each	
1915	CFC	drinking fountain	BODY	01	M	26	1	Each	
1940	CFC	electrical control cabinet air	BODY	01	J	25	1	Each	SY Zone Perception
1987	CFC	drinking fountain	BODY	01	K	26	1	Each	
2003	CFC	drinking fountain	BODY	01	F	31	1	Each	CMM LAB
2017	CFC	electrical control cabinet air	BODY	01	E	19	1	Each	cell 110 LH
2034	CFC	drinking fountain	BODY	01	F	21	1	Each	
2047	CFC	window/wall air conditioner	BODY	01	H	20	1	Each	
2052	CFC	electrical control cabinet air	BODY	01	J	21	1	Each	on floor
2074	CFC	drinking fountain	BODY	01	J	20	1	Each	
2080	CFC	electrical control cabinet air	BODY	01	M	25	1	Each	SY 130 R1

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2082	CFC	electrical control cabinet air	BODY	01	F	27	1	Each	
2083	CFC	electrical control cabinet air	BODY	01	K	20	1	Each	
2226	CFC	freezer/cooler	BODY	OM	A	14	1	Each	
2264	CFC	drinking fountain	BODY	01	AB	8	1	Each	
2279	CFC	drinking fountain	BODY	01	AB	5	1	Each	
2326	CFC	drinking fountain	BODY	01	AA	8	1	Each	
2375	CFC	drinking fountain	BODY	01	A	10	1	Each	
2400	CFC	window/wall air conditioner	BODY	01	A	4	1	Each	
2401	CFC	freezer/cooler	BODY	01	A	4	1	Each	
2455	CFC	drinking fountain	BODY	01	E	6	1	Each	
2459	CFC	freezer/cooler	BODY	01	D	6	1	Each	
2460	CFC	window/wall air conditioner	BODY	01	D	6	1	Each	
2468	CFC	drinking fountain	BODY	01	B	6	1	Each	
2480	CFC	window/wall air conditioner	BODY	01	D	8	1	Each	
2481	CFC	freezer/cooler	BODY	01	D	8	1	Each	
2490	CFC	ice machine	BODY	01	F	6	1	Each	
2491	CFC	drinking fountain	BODY	01	F	6	1	Each	
2536	CFC	drinking fountain	BODY	01	E	2	1	Each	
2565	CFC	drinking fountain	BODY	01	H	3	1	Each	
2580	CFC	drinking fountain	BODY	01	H	6	1	Each	
2587	CFC	window/wall air conditioner	BODY	01	G	7	1	Each	
2589	CFC	electrical control cabinet air	BODY	01	G	7	1	Each	Perception
2625	CFC	freezer/cooler	BODY	01	K	3	1	Each	
2626	CFC	window/wall air conditioner	BODY	01	K	3	1	Each	
2629	CFC	electrical control cabinet air	BODY	01	K	3	1	Each	Perception
2634	CFC	ice machine	BODY	01	K	4	1	Each	
2635	CFC	drinking fountain	BODY	01	K	4	1	Each	
2652	CFC	window/wall air conditioner	BODY	01	J	9	2	Each	
2654	CFC	freezer/cooler	BODY	01	J	9	1	Each	
2689	CFC	drinking fountain	BODY	01	L	7	1	Each	
2739	CFC	electrical control cabinet air	BODY	01	M	2	2	Each	Perception
2756	CFC	drinking fountain	BODY	01	N	2	1	Each	
3948	CFC	freezer/cooler	BODY	01	C	53	1	Each	
3952	CFC	drinking fountain	BODY	01	C	55	1	Each	
3953	CFC	freezer/cooler	BODY	01	C	55	1	Each	
3962	CFC	drinking fountain	BODY	01	E	53	1	Each	
3963	CFC	ice machine	BODY	01	E	53	1	Each	
3990	CFC	HVAC unit	BODY	OM	C	35	1	Each	Trane heat pump unit # 10039888
3991	CFC	drinking fountain	BODY	02	B	35	1	Each	
3993	CFC	drinking fountain	BODY	02	B	34	1	Each	
4018	CFC	electrical control cabinet air	BODY	01	F	44	1	Each	Axle build conveyor 701 panel
4022	CFC	freezer/cooler	BODY	01	G	47	1	Each	Employee lounge

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4037	CFC	drinking fountain	BODY	01	G	47	1	Each	
4039	CFC	freezer/cooler	BODY	01	G	47	1	Each	
4045	CFC	drinking fountain	BODY	01	G	40	1	Each	
4047	CFC	drinking fountain	BODY	01	H	39	1	Each	
4068	CFC	drinking fountain	BODY	01	L	52	1	Each	
4084	CFC	refrigerated vending machine	BODY	01	N	57	1	Each	
4087	CFC	drinking fountain	BODY	01	N	56	1	Each	
4091	CFC	window/wall air conditioner	BODY	01	N	57	1	Each	
4099	CFC	electrical control cabinet air	BODY	01	M	40	2	Each	engine indexers
4106	CFC	window/wall air conditioner	BODY	01	M	37	2	Each	on pallet
4107	CFC	ice machine	BODY	01	N	37	3	Each	on pallet
4111	CFC	window/wall air conditioner	BODY	01	N	36	1	Each	
4113	CFC	freezer/cooler	BODY	01	N	36	1	Each	
4117	CFC	freezer/cooler	BODY	01	P	48	1	Each	
4141	CFC	freezer/cooler	BODY	01	P	26	1	Each	
4147	CFC	drinking fountain	BODY	01	M	23	1	Each	
4148	CFC	drinking fountain	BODY	01	L	24	1	Each	
4152	CFC	drinking fountain	BODY	01	K	24	1	Each	
4153	CFC	drinking fountain	BODY	01	K	24	1	Each	
4161	CFC	window/wall air conditioner	BODY	01	F	23	1	Each	Union office
4164	CFC	freezer/cooler	BODY	01	F	23	1	Each	Team room 11-5A
4165	CFC	window/wall air conditioner	BODY	01	F	23	1	Each	Team room 11-5A
4166	CFC	window/wall air conditioner	BODY	01	F	23	1	Each	Team room 11-5D
4167	CFC	freezer/cooler	BODY	01	F	23	1	Each	Team room 11-5D
4170	CFC	freezer/cooler	BODY	01	F	23	1	Each	Maint area 4
4171	CFC	window/wall air conditioner	BODY	01	F	23	1	Each	Maint area 4
4209	CFC	electrical control cabinet air	BODY	01	M	22	1	Each	conveyor 181
4212	CFC	freezer/cooler	BODY	01	M	32	1	Each	
4214	CFC	window/wall air conditioner	BODY	01	M	32	1	Each	
4215	CFC	drinking fountain	BODY	01	M	35	1	Each	
4221	CFC	drinking fountain	BODY	01	K	31	1	Each	
4223	CFC	drinking fountain	BODY	01	J	33	1	Each	
4227	CFC	freezer/cooler	BODY	01	J	31	2	Each	
4232	CFC	drinking fountain	BODY	01	H	32	1	Each	
4240	CFC	drinking fountain	BODY	01	G	33	1	Each	
4242	CFC	ice machine	BODY	01	F	32	1	Each	
4247	CFC	dehumidifier	BODY	01	F	31	2	Each	Cmm lab
4269	CFC	drinking fountain	BODY	01	F	26	1	Each	
4270	CFC	drinking fountain	BODY	01	G	26	1	Each	
4303	CFC	electrical control cabinet air	BODY	01	L	21	1	Each	
4322	CFC	electrical control cabinet air	BODY	01	N	21	1	Each	
4325	CFC	window/wall air conditioner	BODY	01	N	21	2	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4326	CFC	freezer/cooler	BODY	01	N	21	1	Each	
4328	CFC	freezer/cooler	BODY	01	C	19	3	Each	for cafeteria freezers
4396	CFC	electrical control cabinet air	BODY	OB	N		1	Each	Big room in "N" tunnel
4470	CFC	window/wall air conditioner	BODY	OB	B	19	2	Each	Under cafeteria
4481	CFC	freezer/cooler	BODY	OB	B	17	5	Each	freezers for cafeteria - compressors not found
4483	CFC	freezer/cooler	BODY	OB	B	17	1	Each	in one of the freezers
4484	CFC	freezer/cooler	BODY	OB	B	17	1	Each	cooler in one of the freezers
4492	CFC	freezer/cooler	BODY	OB	B	17	1	Each	
5533	CFC	dehumidifier	BODY	02	A	8	2	Each	air dryer #1 & 2 for Paint
5556	CFC	electrical control cabinet air	BODY	02	A	3	1	Each	HUB
5612	CFC	drinking fountain	BODY	02	K	24	1	Each	
5672	CFC	HVAC unit	BODY	02	G	10	1	Each	portable AC unit
5738	CFC	electrical control cabinet air	BODY	03	L	5	1	Each	on HUB - on lower roof
5742	CFC	electrical control panel	BODY	03	P	11	1	Each	Conveyor 184 panel
5756	CFC	electrical control cabinet air	BODY	03	N	41	1	Each	on HUB
5760	CFC	electrical control cabinet air	BODY	03	G	37	2	Each	on HUB
5763	CFC	electrical control cabinet air	BODY	03	J	35	1	Each	on HUB
5764	CFC	electrical control cabinet air	BODY	03	J	35	1	Each	
5777	CFC	electrical control cabinet air	BODY	03	E	26	2	Each	on HUB
5820	CFC	HVAC unit	BODY	03			2	Each	Carrier A/C - abandoned paint room process ASH
6013	CFC	drinking fountain	BODY	01	G	9	1	Each	
6034	CFC	drinking fountain	BODY	01	AA	12	1	Each	
6039	CFC	drinking fountain	BODY	01	B	3	1	Each	
6042	CFC	electrical control cabinet air	BODY	01	B	4	1	Each	
6074	CFC	window/wall air conditioner	BODY	01	A	12	1	Each	
6075	CFC	drinking fountain	BODY	01	A	12	1	Each	
6167	CFC	ice machine	BODY	01	H	19	1	Each	
6168	CFC	drinking fountain	BODY	01	H	19	1	Each	
6171	CFC	drinking fountain	BODY	01	F	17	1	Each	
6246	CFC	freezer/cooler	BODY	01	H	13	1	Each	
6248	CFC	window/wall air conditioner	BODY	01	H	13	3	Each	
6256	CFC	drinking fountain	BODY	01	K	18	1	Each	
6361	CFC	drinking fountain	BODY	01	K	14	1	Each	
6363	CFC	freezer/cooler	BODY	01	J	12	1	Each	
6365	CFC	window/wall air conditioner	BODY	01	J	12	1	Each	
6368	CFC	drinking fountain	BODY	01	K	12	1	Each	
6375	CFC	drinking fountain	BODY	01	M	12	1	Each	
6386	CFC	window/wall air conditioner	BODY	01	L	11	1	Each	
6387	CFC	freezer/cooler	BODY	01	L	11	1	Each	
6411	CFC	drinking fountain	BODY	02	B	6	1	Each	MBM shop
6413	CFC	freezer/cooler	BODY	02	B	6	1	Each	MBM shop
6431	CFC	drinking fountain	BODY	02	C	1	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6433	CFC	electrical control cabinet air	BODY	02	C	3	1	Each	smarteye interface
6446	CFC	drinking fountain	BODY	02	D	7	1	Each	
6475	CFC	drinking fountain	BODY	02	E	18	1	Each	
6486	CFC	drinking fountain	BODY	02	F	18	1	Each	
6493	CFC	freezer/cooler	BODY	02	E	10	1	Each	
6511	CFC	refrigerated vending machine	BODY	02	D	6	1	Each	
6513	CFC	electrical control cabinet air	BODY	02	E	4	1	Each	on HUB
6522	CFC	drinking fountain	BODY	02	E	9	1	Each	
6523	CFC	ice machine	BODY	02	E	9	1	Each	
6527	CFC	drinking fountain	BODY	02	F	18	1	Each	
6552	CFC	electrical control cabinet air	BODY	03	E	26	1	Each	on HUB
6571	CFC	electrical control cabinet air	BODY	OM	D	48	1	Each	
6577	CFC	electrical control cabinet air	BODY	OM	D	42	1	Each	
6578	CFC	electrical control cabinet air	BODY	OM	M	52	1	Each	HUB
6579	CFC	electrical control cabinet air	BODY	OM	K	47	1	Each	HUB
6583	CFC	electrical control cabinet air	BODY	OM	D	39	1	Each	
6604	CFC	electrical control cabinet air	BODY	02	G	12	1	Each	Old paint shop roof - HUB
6673	CFC	electrical control cabinet air	BODY	02	L	23	2	Each	Old paint shop roof - HUB
6676	CFC	electrical control cabinet air	BODY	02	M	29	1	Each	Old paint shop roof - HUB
6893	CFC	drinking fountain	BODY	OM	D	18	1	Each	office
6958	CFC	drinking fountain	BODY	02	D	55	2	Each	Bathroom area
6965	CFC	drinking fountain	BODY	02	E	25	2	Each	rest room
1516	CNT	drum	BODY	01	E	41	1	Each	unknown
1518	CNT	pail	BODY	01	D	41	1	Each	oil
1539	CNT	drum	BODY	01	D	53	3	Each	Mean Green
1543	CNT	pail	BODY	01	E	50	6	Each	Rubber Lubricant
1544	CNT	pail	BODY	01	E	50	7	Each	oil
1545	CNT	pail	BODY	01	E	50	10	Each	Rubber Lubricant
1546	CNT	pail	BODY	01	E	50	8	Each	Ucon Coating Fluid
1547	CNT	pail	BODY	01	E	49	7	Each	Syn Tech
1550	CNT	drum	BODY	01	E	50	3	Each	oil
1553	CNT	drum	BODY	01	F	44	1	Each	30 gal chain Lubricator
1562	CNT	drum	BODY	01	E	38	1	Each	Unidentified
1783	CNT	pail	BODY	01	F	38	4	Each	oil
1786	CNT	drum	BODY	01	G	38	1	Each	Metal Working Fluid
1787	CNT	pail	BODY	01	G	38	1	Each	cleaner
1800	CNT	drum	BODY	01	F	47	1	Each	Limited slip additive
1801	CNT	pail	BODY	01	F	47	1	Each	Limited slip additive
1807	CNT	drum	BODY	01	G	48	1	Each	used oil
1810	CNT	drum	BODY	01	F	48	8	Each	Dextron LS Gear oil
1837	CNT	drum	BODY	01	J	52	8	Each	Dextron Gear Oil
1888	CNT	drum	BODY	01	P	32	2	Each	chain master greaser

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1892	CNT	pail	BODY	01	N	29	1	Each	degreaser
1896	CNT	drum	BODY	01	N	27	2	Each	Uniseal
1913	CNT	drum	BODY	01	M	25	2	Each	Uniseal on drum feeders
2019	CNT	drum	BODY	01	F	19	4	Each	Unilseal
2220	CNT	drum	BODY	01	B	13	1	Each	30 gal used oil
2231	CNT	drum	BODY	01	B	13	2	Each	30 # Grease
2245	CNT	drum	BODY	01	AC	10	10	Each	Unseal
2368	CNT	pail	BODY	01	AA	8	1	Each	degreaser
2422	CNT	drum	BODY	01	E	7	1	Each	55 gal Unisial
2424	CNT	drum	BODY	01	E	8	2	Each	Partial drums Uniseal
2432	CNT	drum	BODY	01	E	10	4	Each	partial drums Uniseal
2437	CNT	drum	BODY	01	E	11	5	Each	Uniseal
2445	CNT	drum	BODY	01	E	9	1	Each	adhesive
2523	CNT	pail	BODY	01	G	2	3	Each	Terokal 455B
2526	CNT	drum	BODY	01	F	3	1	Each	Partial drums Uniseal
2527	CNT	drum	BODY	01	E	2	2	Each	partial drum Unisial
2541	CNT	drum	BODY	01	E	1	6	Each	partial drums Uniseal
2551	CNT	pail	BODY	01	F	1	22	Each	HZAOO18PH
2552	CNT	pail	BODY	01	G	1	7	Each	Partial PAILS HZAOO18PH
2555	CNT	drum	BODY	01	G	1	2	Each	partial Uniseal
2558	CNT	pail	BODY	01	G	1	30	Each	30 gal drums Castrol longtime PD 00
2567	CNT	drum	BODY	01	G	3	5	Each	Castrul Grease
2631	CNT	drum	BODY	01	K	4	1	Each	dust
2649	CNT	drum	BODY	01	K	8	1	Each	Hydraulic Fluid
2651	CNT	drum	BODY	01	J	9	1	Each	14 partial drums Uniseal
2670	CNT	pail	BODY	01	L	6	7	Each	TEROKAL 4555B partial
2751	CNT	drum	BODY	01	N	4	2	Each	Anti Splatter Compound
3933	CNT	drum	BODY	01	C	52	1	Each	50 gal metal shavings
3939	CNT	pail	BODY	01	D	52	1	Each	5 gal degreaser
3955	CNT	pail	BODY	01	C	61	1	Each	5 gal tar
3964	CNT	drum	BODY	01	D	53	1	Each	50 gal mean grean degreaser
3998	CNT	pail	BODY	01	C	34	1	Each	5 gal alcohol
4009	CNT	misc	BODY	01	C	36	15	Each	misc bottles of cutting oil in 360 body shop cabinet
4024	CNT	drum	BODY	01	G	50	59	Each	50 gal drums DEXRON LS Gear Oil 75W-90
4050	CNT	drum	BODY	01	G	39	5	Each	50 gal Castrol hydraulic circulating fluid
4051	CNT	drum	BODY	01	G	39	10	Each	30 gal Castrol grease
4054	CNT	drum	BODY	01	G	38	20	Each	30 gal drums Castrol grease
4055	CNT	pail	BODY	01	G	38	31	Each	5 gal Castrol grease
4056	CNT	drum	BODY	01	G	38	19	Each	50 gal Castrol Synthetic Oil
4089	CNT	drum	BODY	01	M	54	6	Each	50 gal anti splatter compound
4103	CNT	drum	BODY	01	M	37	1	Each	50 gal anti splatter compound
4126	CNT	pail	BODY	01	P	54	1	Pallet	5 gal pails SS Line Guard

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4132	CNT	drum	BODY	01	N	32	1	Each	50 gal Deoxidine
4140	CNT	pail	BODY	01	P	26	2	Each	5 gal degreaser
4172	CNT	drum	BODY	01	F	23	1	Each	50 gal anti splatter compound
4181	CNT	drum	BODY	01	H	25	1	Each	50 gal anti splatter compound
4185	CNT	pail	BODY	01	H	25	1	Each	5 gal degreaser
4195	CNT	drum	BODY	01	G	26	1	Each	50 gal anti splatter compound
4206	CNT	drum	BODY	01	M	29	1	Each	50 gal castrol chain oil
4224	CNT	pail	BODY	01	K	32	1	Each	5 gal degreaser
4258	CNT	drum	BODY	01	G	27	4	Each	50 gal uniseal
4277	CNT	drum	BODY	01	G	20	2	Each	30 gal anti splatter compound
4278	CNT	drum	BODY	01	G	20	1	Each	50 gal anti splatter compound
4286	CNT	drum	BODY	01	J	20	2	Each	30 gal oil
4304	CNT	drum	BODY	01	L	21	11	Each	50 gal Uniseal
4337	CNT	drum	BODY	01	P	3	1	Each	50 gal lite oil
4339	CNT	drum	BODY	01	P	3	4	Each	50 gal surface clean
4348	CNT	pail	BODY	01	P	3	1	Each	5 gal water, oil and grease
4389	CNT	drum	BODY	OB		1	11	Each	50 gal drums of unknown materials
4460	CNT	pail	BODY	OB	B	19	2	Each	water softener
4464	CNT	pail	BODY	OB	B	19	1	Each	10 gal potassium permangate - corrosive
4467	CNT	pail	BODY	OB	B	19	3	Each	5 gal Optisperse AD 575
4479	CNT	pail	BODY	OB	B	17	1	Each	5 gal sanitizer
4485	CNT	pail	BODY	OB	B	17	1	Each	5 gal glass cleaner
4486	CNT	pail	BODY	OB	B	17	1	Each	5 gal all purpose cleaner
4487	CNT	pail	BODY	OB	B	17	2	Each	5 gal acryllic sealer
4518	CNT	drum	BODY	01		0	1	Each	50 gal antifreeze south of 1 column line
4519	CNT	drum	BODY	01		0	1	Each	50 gal castrol used oil south of 1 column line
4521	CNT	drum	BODY	01		0	8	Each	50 gal mean green degreaser south of 1 column line
4652	CNT	drum	BODY	01	E	0.9	12	Each	Uniseal
4669	CNT	pail	BODY	OB		1	1	Each	in tunnel at south end
5506	CNT	drum	BODY	02	A	5	1	Each	5o gal used oil
5507	CNT	drum	BODY	02	A	5	1	Each	50 gal CL 4856 colling water treatment
5508	CNT	drum	BODY	02	A	5	7	Each	30 gal CL 280
5510	CNT	drum	BODY	02	A	5	1	Each	50 gal 30% ethylene glycol mix
5511	CNT	tote	BODY	02	A	5	1	Each	275 gal Dowtherm SR-1
5513	CNT	pail	BODY	02	A	6	7	Each	5 gal C 2189-6 oxidizer
5514	CNT	pail	BODY	02	A	6	2	Each	5 gal foam trol AF 721
5516	CNT	drum	BODY	02	A	6	1	Each	50 gal CL 4856 C.T. Treat - corrosive
5517	CNT	pail	BODY	02	A	6	6	Each	1 gal Corothane 1-M10-Aluminum
5520	CNT	drum	BODY	02	A	6	4	Each	50 gal Shell DEX antifreeze
5523	CNT	pail	BODY	02	B	7	1	Each	5 gal liquid - not labled
5542	CNT	pail	BODY	02	A	8	1	Each	5 gal adhesive
5553	CNT	drum	BODY	02	A	4	1	Each	30# grease

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5559	CNT	drum	BODY	02	A	2	8	Each	Ansulite
5562	CNT	pail	BODY	02	K	4	1	Each	5 gal anti-slip
5566	CNT	drum	BODY	02	L	6	1	Each	50 gal unknown liquid
5602	CNT	drum	BODY	02	K	19	1	Each	30 gal oil
5606	CNT	drum	BODY	02	K	22	1	Each	50 gal Parco lubricant
5607	CNT	pail	BODY	02	K	24	2	Each	5 gal concrete sprayer
5608	CNT	pail	BODY	02	K	24	2	Each	5 gal degreaser
5613	CNT	drum	BODY	02	J	22	1	Each	50 gal Multan PL 101
5622	CNT	drum	BODY	02	J	16	1	Each	50 gal Thunderbolt concentrate
5668	CNT	pail	BODY	02	G	6	32	Each	5 gal
5669	CNT	pail	BODY	02	G	6	22	Each	Leak stop
5670	CNT	drum	BODY	02	G	7	1	Each	50 gal dust
5674	CNT	pail	BODY	02	G	10	2	Each	5 gal lubricating oil
5675	CNT	pail	BODY	02	G	10	4	Each	cleaner/degreaser
5676	CNT	pail	BODY	02	G	10	1	Each	poly line
5685	CNT	drum	BODY	02	D	4	2	Each	Conveyor 325 - 5 gal oil in mez
5686	CNT	drum	BODY	02	D	4	1	Each	Conveyor 329 - 30 gal lubricant in mez
5732	CNT	drum	BODY	03	N	2	1	Each	30 gal grease
5736	CNT	drum	BODY	03	L	5	2	Each	50 gal unknown liquids - on lower roof
5739	CNT	pail	BODY	03	L	4	1	Each	Tar - on lower roof
5743	CNT	drum	BODY	03	P	12	1	Each	30 gal grease lubricator
5746	CNT	pail	BODY	03	P	12	1	Each	30 gal grease
5753	CNT	drum	BODY	03	P	23	1	Each	30 gal grease
5818	CNT	drum	BODY	03			1	Each	30 - gal unknown - abandoned paint room process ASH
5822	CNT	pail	BODY	03			1	Each	5 gal refrigeration oil - abandonedpaint room process ASH
5823	CNT	drum	BODY	03			1	Each	50 fgal unknown - abandoned paint room process ASH
5824	CNT	drum	BODY	03			2	Each	30gal corrosive - abandoned painty room process ASH
5827	CNT	drum	BODY	03			2	Each	50 gal CL 1456 cooling water treatment - abandoned paint room process
5828	CNT	pail	BODY	03			5	Each	oil - abandoned elevator stairs
5846	CNT	pail	BODY	03			1	Each	5 gal deodorizer - abandoned 208 booth ASH
5985	CNT	drum	BODY	01	C	1	1	Each	50 gal grease
5987	CNT	drum	BODY	01	C	2	3	Each	50 gal grease
5989	CNT	drum	BODY	01	B	2	2	Each	grease
5993	CNT	drum	BODY	01	D	1	25	Each	50 gal uniseal grease
6019	CNT	drum	BODY	01	B	12	2	Each	used oil
6026	CNT	pail	BODY	01	A	12	3	Each	5 gal battery acid neutralizer
6031	CNT	drum	BODY	01	AA	12	1	Each	unknown contents
6036	CNT	drum	BODY	01	D	1	4	Each	Corabond anti-flutter adhesive
6051	CNT	drum	BODY	01	AA	12	1	Each	30 gal parts cleaner
6066	CNT	drum	BODY	01	B	8	4	Each	50 gal grease
6138	CNT	drum	BODY	01	J	17	1	Each	50 gal unknown contents
6146	CNT	drum	BODY	01	G	15	4	Each	50 gal grease

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6165	CNT	drum	BODY	01	J	19	50	Each	50 gal grease
6166	CNT	pail	BODY	01	H	17	1	Each	5 gal unknown contents
6380	CNT	drum	BODY	01	M	11	32	Each	50 gal grease on crates
6447	CNT	pail	BODY	02	C	9	1	Each	5 gal grease
6461	CNT	drum	BODY	02	E	19	1	Each	50 gal Castrol oil
6476	CNT	drum	BODY	02	E	18	1	Each	50 gal Tribol oil
6491	CNT	pail	BODY	02	F	11	1	Each	5 gal speed stripper
6502	CNT	pail	BODY	02	D	9	2	Each	5 gal sawdust
6518	CNT	drum	BODY	02	E	9	11	Each	50 gal oil
6519	CNT	drum	BODY	02	E	9	2	Each	30 gal grease
6520	CNT	pail	BODY	02	E	9	3	Each	5 gal oil
6525	CNT	drum	BODY	02	F	10	2	Each	50 gal oil
6551	CNT	drum	BODY	03	C	16	1	Each	30 gal grease
6555	CNT	drum	BODY	OM	F	43	1	Each	30 gal grease
6556	CNT	pail	BODY	OM	F	43	1	Each	5 gal oil
6559	CNT	drum	BODY	OM	F	44	1	Each	30 gal grease
6562	CNT	pail	BODY	OM	F	62	1	Each	5 gal grease
6567	CNT	drum	BODY	OM	D	49	1	Each	55 gal grease
6568	CNT	pail	BODY	OM	D	49	1	Each	5 gal hydraulic fluid
6576	CNT	drum	BODY	OM	D	42	1	Each	30 gal grease lubricator
6584	CNT	drum	BODY	OM	D	39	1	Each	30 gal grease
6585	CNT	drum	BODY	OM	N	34	1	Each	50 gal unknown contents
6599	CNT	pail	BODY	02	G	14	1	Each	Old paint shop roof - 5 gal modified bitumen adhesive
6600	CNT	pail	BODY	02	H	21	3	Each	Old paint shop roof - 5 gal roffing tar
6602	CNT	pail	BODY	02	H	23	1	Each	Old paint shop roof - 5 gal unknown
6605	CNT	drum	BODY	02	G	10	1	Each	Old paint shop roof - 30 gal gear lube
6607	CNT	pail	BODY	02	E	9	1	Each	Old paint shop roof - 5 gal roofing tar
6645	CNT	drum	BODY	02	L	12	1	Each	Old paint shop roof - 50 gal GM Special Blend - flammable
6646	CNT	drum	BODY	02	K	11	2	Each	Old paint shop roof - 50 gal unknown liquid (open tops)
6647	CNT	drum	BODY	02	J	12	1	Each	Old paint shop roof - 30 gal oil
6654	CNT	drum	BODY	02	K	11	1	Each	Old paint shop roof - 30 gal Tribol oil
6655	CNT	drum	BODY	02	K	10	1	Each	Old paint shop roof - 30 gal oil
6656	CNT	drum	BODY	02	J	10	1	Each	Old paint shop roof - 50 gal unknow liquid (open top drum)
6660	CNT	drum	BODY	02	J	9	3	Each	Old paint shop roof - 30 gal oil
6661	CNT	pail	BODY	02	J	9	2	Each	Old paint shop roof - 5 gal unknown (open top drum)
6662	CNT	drum	BODY	02	J	8	1	Each	Old paint shop roof - 50 gal unknown liquid (open top drum)
6663	CNT	drum	BODY	02	J	8	1	Each	Old paint shop roof - 30 gal oil
6664	CNT	drum	BODY	02	J	7	1	Each	Old paint shop roof - 50 gal unknown liquid (open top drum)
6665	CNT	drum	BODY	02	J	5	1	Each	Old paint shop roof - 30 gal oil
6667	CNT	pail	BODY	02	L	5	1	Each	Old paint shop roof - 5 gal roofing tar
6668	CNT	drum	BODY	02	J	13	1	Each	Old paint shop roof - 50 gal ucartherm
6674	CNT	drum	BODY	02	L	23	1	Each	Old paint shop roof - 50 gal unknown

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6677	CNT	drum	BODY	02	L	27	1	Each	Old paint shop roof - 30 gal grease
6680	CNT	drum	BODY	02	L	27	1	Each	Old paint shop roof - 30# grease
6684	CNT	drum	BODY	02	K	27	1	Each	Old paint shop roof - 30 gal grease
6685	CNT	drum	BODY	02	K	27	1	Each	Old paint shop roof - 30 gal oil
6687	CNT	drum	BODY	02	K	24	1	Each	Old paint shop roof - Carlisle splice cleaner
6688	CNT	drum	BODY	02	K	23	1	Each	Old paint shop roof - 30 gal Tribol grease
6690	CNT	pail	BODY	02	K	20	1	Each	Old paint shop roof - 5 gal unknown
6691	CNT	drum	BODY	02	K	18	1	Each	Old paint shop roof - 50 gal unknown
6693	CNT	drum	BODY	02	M	12	1	Each	Old paint shop roof - 50 gal gear lube
6835	CNT	pail	BODY	OM	D	18	1	Each	5 gal floor finisher
6895	CNT	pail	BODY	OM	D	18	1	Each	5 gal oil
6920	CNT	pail	BODY	02	L	2	1	Each	5 gal grease
6921	CNT	drum	BODY	02	L	2	1	Each	30 gal grease
6924	CNT	drum	BODY	02	L	3	2	Each	30 gal grease
6928	CNT	drum	BODY	02	L	4	3	Each	3 gal grease
6932	CNT	drum	BODY	02	L	23	1	Each	30 gal grease
6934	CNT	drum	BODY	02	L	27	2	Each	30 gal grease loose on floor
6955	CNT	pail	BODY	02	M	28	14	Each	5 gal PF-5060 performance liquid
6956	CNT	drum	BODY	02	M	28	1	Each	50 gal Freon 113
6957	CNT	drum	BODY	02	M	28	1	Each	30 gal grease
6959	CNT	pail	BODY	02	N	50	1	Each	5 gal floor sealer
6960	CNT	pail	BODY	02	N	50	1	Each	5 gal disinfectant
2240	CRA	overhead crane	BODY	01	A	13	2	Each	5 Ton
4222	CRA	crane	BODY	01	K	35	1	Each	mobile
4246	CRA	overhead crane	BODY	01	F	31	2	Each	CMM lab
4255	CRA	crane	BODY	01	H	26	1	Each	350#
5767	CRA	overhead crane	BODY	03	H	36	2	Each	
1511	CRT	computer monitor	BODY	01	D	36	1	Each	
1512	CRT	computer monitor	BODY	01	D	37	1	Each	
1517	CRT	television	BODY	01	D	41	1	Each	
1519	CRT	control panel CRT	BODY	01	E	42	1	Each	
1520	CRT	television	BODY	01	D	42	1	Each	
1522	CRT	computer monitor	BODY	01	D	42	2	Each	
1527	CRT	control panel CRT	BODY	01	D	46	1	Each	
1529	CRT	television	BODY	01	D	46	1	Each	
1540	CRT	control panel CRT	BODY	01	E	53	1	Each	Conveyor 620
1548	CRT	computer monitor	BODY	01	E	50	1	Each	
1557	CRT	computer monitor	BODY	01	F	38	1	Each	
1559	CRT	computer monitor	BODY	01	E	38	2	Each	
1560	CRT	television	BODY	01	E	38	1	Each	
1777	CRT	control panel CRT	BODY	01	F	36	1	Each	on Power Lock
1785	CRT	control panel CRT	BODY	01	F	38	1	Each	Hardinge

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1794	CRT	control panel CRT	BODY	01	F	40	1	Each	On Bridgeport
1797	CRT	computer monitor	BODY	01	F	44	1	Each	
1798	CRT	control panel CRT	BODY	01	F	44	1	Each	
1802	CRT	control panel CRT	BODY	01	F	47	1	Each	Rear axle fill
1803	CRT	control panel CRT	BODY	01	F	48	1	Each	Rear axle fill
1812	CRT	control panel CRT	BODY	01	H	52	27	Each	Tool repair
1813	CRT	computer monitor	BODY	01	H	52	3	Each	Tool repair
1814	CRT	television	BODY	01	H	52	1	Each	Tool repair
1824	CRT	television	BODY	01	H	46	2	Each	
1826	CRT	computer monitor	BODY	01	H	46	1	Each	
1831	CRT	computer monitor	BODY	01	K	44	1	Each	
1835	CRT	computer monitor	BODY	01	T	49	1	Each	
1839	CRT	computer monitor	BODY	01	J	53	1	Each	
1844	CRT	television	BODY	01	J	56	2	Each	on floor
1860	CRT	computer monitor	BODY	01	L	45	1	Each	
1864	CRT	control panel CRT	BODY	01	L	38	1	Each	loose on floor
1866	CRT	control panel CRT	BODY	01	L	37	1	Each	
1868	CRT	computer monitor	BODY	01	L	37	1	Each	
1871	CRT	control panel CRT	BODY	01	L	35	1	Each	
1900	CRT	computer monitor	BODY	01	N	26	1	Each	
1906	CRT	control panel CRT	BODY	01	M	25	1	Each	
1908	CRT	control panel CRT	BODY	01	M	25	1	Each	PAAS Tool Coordinator
1909	CRT	control panel CRT	BODY	01	M	25	1	Each	Nordson
1910	CRT	computer monitor	BODY	01	M	25	1	Each	
1911	CRT	control panel CRT	BODY	01	M	25-	1	Each	
1919	CRT	computer monitor	BODY	01	M	27	1	Each	
1921	CRT	control panel CRT	BODY	01	M	27	1	Each	SY zone cell
1926	CRT	control panel CRT	BODY	01	M	25	1	Each	SY 130 R1
1929	CRT	control panel CRT	BODY	01	M	24	1	Each	SY Cell
1931	CRT	control panel CRT	BODY	01	L	24	1	Each	SY Cell
1932	CRT	computer monitor	BODY	01	L	24	1	Each	
1933	CRT	control panel CRT	BODY	01	K	24	1	Each	
1936	CRT	control panel CRT	BODY	01	K	24	1	Each	
1941	CRT	control panel CRT	BODY	01			1	Each	
1943	CRT	control panel CRT	BODY	01	J	25	1	Each	SY zone Perception
1944	CRT	control panel CRT	BODY	01	T	25	1	Each	
1945	CRT	control panel CRT	BODY	01	J	25	1	Each	
1951	CRT	control panel CRT	BODY	01	K	25	1	Each	
1952	CRT	control panel CRT	BODY	01	K	25	1	Each	Fender RH delivery
1953	CRT	computer monitor	BODY	01	K	25	1	Each	ST 210 P1 R1
1954	CRT	control panel CRT	BODY	01	L	25	1	Each	
1955	CRT	control panel CRT	BODY	01	L	25	1	Each	EFD

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1959	CRT	control panel CRT	BODY	01	L	26	2	Each	
1963	CRT	control panel CRT	BODY	01	L	27	1	Each	
1975	CRT	control panel CRT	BODY	01	J	27	1	Each	Front/ rear door Delivery conveyor
1976	CRT	control panel CRT	BODY	01	J	27	1	Each	Lift gate 370 delivery conveyor
1982	CRT	control panel CRT	BODY	01	L	27	3	Each	
1985	CRT	control panel CRT	BODY	01	K	26	2	Each	
1986	CRT	television	BODY	01	K	26	1	Each	
1988	CRT	control panel CRT	BODY	01	K	26	2	Each	Nordson panel
1992	CRT	control panel CRT	BODY	01	J	26	1	Each	
1993	CRT	computer monitor	BODY	01	J	26	1	Each	
1994	CRT	control panel CRT	BODY	01	J	26	1	Each	Lift gate 360 delivery Conveyor
1996	CRT	control panel CRT	BODY	01	J	26	1	Each	
1997	CRT	control panel CRT	BODY	01	H	26	1	Each	SS cell
2004	CRT	television	BODY	01	F	31	1	Each	CMM LAB
2006	CRT	computer monitor	BODY	01	J	26	1	Each	SP cell
2013	CRT	control panel CRT	BODY	01	E	20	1	Each	ST cell
2016	CRT	control panel CRT	BODY	01	E	19	2	Each	Nordson panel
2025	CRT	control panel CRT	BODY	01	G	20	1	Each	Rear door LH delivery conveyor
2026	CRT	computer monitor	BODY	01	G	20	1	Each	ST Cell
2029	CRT	control panel CRT	BODY	01	F	20	2	Each	
2031	CRT	computer monitor	BODY	01	F	21	1	Each	ST cell
2036	CRT	control panel CRT	BODY	01	F	20	2	Each	ST cell
2039	CRT	control panel CRT	BODY	01	E	21	1	Each	ST cell
2042	CRT	television	BODY	01	E	20	1	Each	
2044	CRT	control panel CRT	BODY	01	H	21	1	Each	Front/rear door LH delivery Conveyor
2045	CRT	control panel CRT	BODY	01	H	20	1	Each	
2048	CRT	computer monitor	BODY	01	H	20	1	Each	small office
2053	CRT	control panel CRT	BODY	01	J	21	2	Each	Nordson panel
2057	CRT	control panel CRT	BODY	01	L	21	1	Each	
2058	CRT	control panel CRT	BODY	01	K	21	1	Each	Hood Chev delivery Conveyor
2059	CRT	control panel CRT	BODY	01	K	21	1	Each	Fender LH delivery conveyor
2060	CRT	control panel CRT	BODY	01	K	20	1	Each	
2061	CRT	control panel CRT	BODY	01	K	19	1	Each	
2068	CRT	control panel CRT	BODY	01	J	19	2	Each	
2070	CRT	computer monitor	BODY	01	J	19	1	Each	
2076	CRT	control panel CRT	BODY	01	H	19	1	Each	
2085	CRT	control panel CRT	BODY	01	F	20	1	Each	Rapistan Panel
2093	CRT	television	BODY	01	D	25	1	Each	
2227	CRT	television	BODY	01	A	14	1	Each	
2253	CRT	sump	BODY	01	AD	10	1	Each	
2257	CRT	control panel CRT	BODY	01	AB	9	1	Each	
2268	CRT	control panel CRT	BODY	01	AB	8	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2273	CRT	control panel CRT	BODY	01	AB	6	1	Each	
2276	CRT	control panel CRT	BODY	01	AB	5	1	Each	
2280	CRT	control panel CRT	BODY	01	AB	5	1	Each	
2284	CRT	control panel CRT	BODY	01	AB	4	1	Each	
2319	CRT	control panel CRT	BODY	01	AA	9	2	Each	
2327	CRT	control panel CRT	BODY	01	AA	8	1	Each	
2337	CRT	control panel CRT	BODY	01	AA	5	1	Each	
2343	CRT	control panel CRT	BODY	01	AA	4	1	Each	
2350	CRT	control panel CRT	BODY	01	AA	4	1	Each	
2356	CRT	control panel CRT	BODY	01	AA	5	1	Each	
2369	CRT	control panel CRT	BODY	01	AA	8	2	Each	
2402	CRT	television	BODY	01	A	4	1	Each	
2425	CRT	control panel CRT	BODY	01	E	8	2	Each	Nordson panel
2430	CRT	control panel CRT	BODY	01	E	10	2	Each	Nordson panel
2434	CRT	control panel CRT	BODY	01	E	11	1	Each	Rapistan Conveyor
2436	CRT	control panel CRT	BODY	01	E	11	1	Each	
2441	CRT	control panel CRT	BODY	01	E	10	2	Each	Nordson panel
2443	CRT	control panel CRT	BODY	01	E	9	2	Each	Nordson panel
2447	CRT	control panel CRT	BODY	01	E	9	1	Each	
2457	CRT	control panel CRT	BODY	01	D	6	1	Each	
2458	CRT	television	BODY	01	D	6	1	Each	
2461	CRT	control panel CRT	BODY	01	D	6	1	Each	
2470	CRT	control panel CRT	BODY	01	B	6	1	Each	Rapistan Conveyor
2479	CRT	television	BODY	01	D	7	1	Each	
2483	CRT	control panel CRT	BODY	01	F	7	1	Each	Rapistan Conveyor
2492	CRT	control panel CRT	BODY	01	F	7	1	Each	
2500	CRT	control panel CRT	BODY	01	D	6	1	Each	
2504	CRT	control panel CRT	BODY	01	G	5	1	Each	
2516	CRT	control panel CRT	BODY	01	G	2	1	Each	
2522	CRT	control panel CRT	BODY	01	G	3	1	Each	
2528	CRT	control panel CRT	BODY	01	F	3	2	Each	Nordson Panel
2546	CRT	control panel CRT	BODY	01	E	1	1	Each	Nordson panel
2550	CRT	control panel CRT	BODY	01	F	1	2	Each	Nordson panel
2559	CRT	control panel CRT	BODY	01	G	1	1	Each	Door Ring RH Delivery Conveyor
2560	CRT	control panel CRT	BODY	01	G	1	1	Each	Door ring Delivery Conveyor
2566	CRT	control panel CRT	BODY	01	G	3	1	Each	Quarter Inner Delivery Conveyor
2586	CRT	television	BODY	01	G	7	1	Each	
2588	CRT	control panel CRT	BODY	01	G	7	1	Each	
2595	CRT	control panel CRT	BODY	01	H	9	1	Each	Rear Door Ring Delivery Conveyor
2604	CRT	control panel CRT	BODY	01	H	6	1	Each	Poor Ring Delivery Conveyor
2618	CRT	control panel CRT	BODY	01	J	1	1	Each	Rapistan Conveyor
2623	CRT	control panel CRT	BODY	01	A	2	1	Each	Rapistan Conveyor

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2627	CRT	television	BODY	01	K	3	1	Each	
2628	CRT	control panel CRT	BODY	01	K	3	1	Each	Perception
2640	CRT	control panel CRT	BODY	01	K	5	1	Each	Quarter inner LH Delivery Conveyor
2641	CRT	control panel CRT	BODY	01	K	5	1	Each	Door Ring RH Delivery Conveyor
2650	CRT	control panel CRT	BODY	01	K	8	1	Each	Rapistan Conveyor
2655	CRT	television	BODY	01	J	9	1	Each	
2671	CRT	control panel CRT	BODY	01	M	6	1	Each	
2674	CRT	control panel CRT	BODY	01	L	6	1	Each	Nordson panel
2677	CRT	control panel CRT	BODY	01	L	5	1	Each	
2688	CRT	control panel CRT	BODY	01	L	6	1	Each	
2691	CRT	computer monitor	BODY	01	L	7	1	Each	
2693	CRT	control panel CRT	BODY	01	L	8	1	Each	
2696	CRT	control panel CRT	BODY	01	L	9	1	Each	
2705	CRT	control panel CRT	BODY	01	M	6	1	Each	
2706	CRT	control panel CRT	BODY	01	M	6	1	Each	Nordson
2711	CRT	control panel CRT	BODY	01	M	5	1	Each	
2723	CRT	control panel CRT	BODY	01	N	7	1	Each	
2724	CRT	control panel CRT	BODY	01	N	7	1	Each	Door Ring RH Delivery System
2729	CRT	control panel CRT	BODY	01	N	9	1	Each	
2734	CRT	control panel CRT	BODY	01	L	3	1	Each	
2738	CRT	control panel CRT	BODY	01	M	2	2	Each	Perception
2754	CRT	control panel CRT	BODY	01	M	3	1	Each	
3926	CRT	computer monitor	BODY	01	D	50	1	Each	
3945	CRT	computer monitor	BODY	01	C	53	1	Each	
3946	CRT	television	BODY	01	C	53	1	Each	
3960	CRT	control panel CRT	BODY	01	D	52	1	Each	
3968	CRT	control panel CRT	BODY	01	E	55	1	Each	
3969	CRT	control panel CRT	BODY	01	D	59	1	Each	wheel & tire shop
3975	CRT	control panel CRT	BODY	01	D	59	2	Each	tire conveyor
3976	CRT	control panel CRT	BODY	01	D	60	1	Each	
3977	CRT	computer monitor	BODY	01	D	60	1	Each	
3982	CRT	computer monitor	BODY	01	E	65	1	Each	
3994	CRT	television	BODY	02	B	33	1	Each	
3995	CRT	computer monitor	BODY	02	B	33	1	Each	
3999	CRT	control panel CRT	BODY	01	G	36	1	Each	on sport machine lathe
4012	CRT	computer monitor	BODY	01	G	38	1	Each	
4015	CRT	control panel CRT	BODY	01	G	39	1	Each	Okuma LC20
4019	CRT	computer monitor	BODY	01	G	47	1	Each	
4020	CRT	television	BODY	01	G	47	1	Each	Employee lounge
4034	CRT	computer monitor	BODY	01	H	49	1	Each	
4038	CRT	television	BODY	01	G	47	1	Each	
4049	CRT	computer monitor	BODY	01	G	39	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4067	CRT	television	BODY	01	L	52	1	Each	
4085	CRT	television	BODY	01	N	56	1	Each	
4086	CRT	computer monitor	BODY	01	N	56	2	Each	
4092	CRT	computer monitor	BODY	01	M	49	1	Each	
4098	CRT	control panel CRT	BODY	01	M	40	7	Each	on shelf
4110	CRT	computer monitor	BODY	01	N	36	1	Each	
4112	CRT	television	BODY	01	N	36	1	Each	
4115	CRT	computer monitor	BODY	01	P	44	1	Each	
4125	CRT	television	BODY	01	P	54	1	Each	
4127	CRT	computer monitor	BODY	01	N	55	1	Each	
4128	CRT	computer monitor	BODY	01	P	54	1	Each	
4138	CRT	television	BODY	01	P	27	1	Each	
4139	CRT	control panel CRT	BODY	01	N	26	2	Each	
4144	CRT	control panel CRT	BODY	01	P	23	3	Each	
4145	CRT	computer monitor	BODY	01	P	23	2	Each	
4146	CRT	control panel CRT	BODY	01	N	23	1	Each	
4151	CRT	computer monitor	BODY	01	K	23	1	Each	
4162	CRT	20# dry	BODY	01	F	23	1	Each	Union office
4163	CRT	television	BODY	01	F	23	1	Each	Team room 11-5A
4168	CRT	television	BODY	01	F	23	1	Each	Team room 11-5D
4169	CRT	television	BODY	01	F	23	1	Each	Maint area 4
4173	CRT	control panel CRT	BODY	01	E	24	1	Each	parts elevator control panel
4176	CRT	computer monitor	BODY	01	F	24	1	Each	
4177	CRT	computer monitor	BODY	01	H	25	1	Each	
4178	CRT	control panel CRT	BODY	01	H	25	1	Each	
4182	CRT	control panel CRT	BODY	01	H	25	2	Each	
4188	CRT	television	BODY	01	H	25	2	Each	
4189	CRT	control panel CRT	BODY	01	H	25	1	Each	
4190	CRT	computer monitor	BODY	01	G	26	3	Each	
4191	CRT	control panel CRT	BODY	01	G	26	1	Each	
4196	CRT	computer monitor	BODY	01	G	26	1	Each	
4207	CRT	computer monitor	BODY	01	M	30	1	Each	
4208	CRT	computer monitor	BODY	01	M	31	1	Each	
4213	CRT	television	BODY	01	M	32	1	Each	
4218	CRT	computer monitor	BODY	01	L	30	9	Each	on crates
4219	CRT	control panel CRT	BODY	01	L	30	2	Each	
4225	CRT	computer monitor	BODY	01	J	31	2	Each	
4226	CRT	television	BODY	01	J	31	2	Each	
4229	CRT	control panel CRT	BODY	01	K	30	1	Each	
4234	CRT	control panel CRT	BODY	01	H	32	1	Each	
4243	CRT	computer monitor	BODY	01	F	32	1	Each	
4245	CRT	computer monitor	BODY	01	F	31	4	Each	CMM lab

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4252	CRT	control panel CRT	BODY	01	H	26	1	Each	
4256	CRT	control panel CRT	BODY	01	G	27	2	Each	
4259	CRT	computer monitor	BODY	01	G	27	1	Each	
4260	CRT	control panel CRT	BODY	01	G	27	2	Each	Nordson panel
4264	CRT	television	BODY	01	G	27	1	Each	
4275	CRT	computer monitor	BODY	01	G	20	4	Each	
4276	CRT	control panel CRT	BODY	01	G	20	2	Each	Allen Bradley
4283	CRT	computer monitor	BODY	01	J	20	4	Each	
4285	CRT	control panel CRT	BODY	01	J	20	2	Each	
4292	CRT	control panel CRT	BODY	01	L	21	5	Each	Chevy SQ zone cell 75
4300	CRT	computer monitor	BODY	01	L	21	2	Each	
4309	CRT	control panel CRT	BODY	01	N	21	5	Each	GMC Olds
4320	CRT	computer monitor	BODY	01	N	21	2	Each	
4327	CRT	television	BODY	01	N	21	2	Each	
4342	CRT	control panel CRT	BODY	01	P	3	1	Each	on RO water panel
4374	CRT	control panel CRT	BODY	01	P	2	1	Each	Triplex softener panel
4488	CRT	computer monitor	BODY	OB	B	17	4	Each	
4653	CRT	control panel CRT	BODY	01	E	0.9	1	Each	Rapistan Conveyor
4655	CRT	control panel CRT	BODY	01	E	0.9	1	Each	Nordson
5524	CRT	control panel CRT	BODY	02	B	7	1	Each	
5532	CRT	control panel CRT	BODY	02	A	9	1	Each	Dryer panel
5588	CRT	control panel CRT	BODY	02	K	9	2	Each	Rapistan conveyor
5599	CRT	control panel CRT	BODY	02	K	17	1	Each	Rapistan panel
5614	CRT	control panel CRT	BODY	02	J	21	1	Each	Rapistan conveyor
5619	CRT	control panel CRT	BODY	02	J	19	1	Each	Rapistan conveyor
5625	CRT	control panel CRT	BODY	02	J	15	1	Each	ASI conveyor
5636	CRT	control panel CRT	BODY	02	J	7	1	Each	Rapistan conveyor
5647	CRT	control panel CRT	BODY	02	G	17	2	Each	HUBs
5671	CRT	control panel CRT	BODY	02	G	9	8	Each	
5721	CRT	control panel CRT	BODY	01	F	8	1	Each	Rapistan Conveyor
5861	CRT	control panel CRT	BODY	01	G	12	8	Each	BA zone
5977	CRT	control panel CRT	BODY	01	AB	3	1	Each	
5978	CRT	control panel CRT	BODY	01	AA	2	1	Each	
5979	CRT	control panel CRT	BODY	01	A	3	3	Each	
5983	CRT	control panel CRT	BODY	01	B	3	2	Each	
5984	CRT	control panel CRT	BODY	01	C	1	2	Each	Nordson panel
5988	CRT	control panel CRT	BODY	01	B	2	2	Each	Nordson panel
5990	CRT	control panel CRT	BODY	01	C	3	1	Each	
5991	CRT	control panel CRT	BODY	01	D	2	1	Each	
5994	CRT	computer monitor	BODY	01	G	12	2	Each	
5999	CRT	control panel CRT	BODY	01	G	12	2	Each	Nordson panel
6002	CRT	control panel CRT	BODY	01	G	109	6	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6004	CRT	computer monitor	BODY	01	G	10	2	Each	Nordson panel
6009	CRT	control panel CRT	BODY	01	G	9	2	Each	Nordson panel
6012	CRT	control panel CRT	BODY	01	G	9	1	Each	
6037	CRT	control panel CRT	BODY	01	B	2	1	Each	
6040	CRT	control panel CRT	BODY	01	B	4	2	Each	
6041	CRT	computer monitor	BODY	01	B	4	2	Each	
6044	CRT	control panel CRT	BODY	01	D	4	1	Each	
6054	CRT	computer monitor	BODY	01	AB	12	2	Each	
6062	CRT	control panel CRT	BODY	01	B	7	4	Each	
6063	CRT	control panel CRT	BODY	01	B	7	2	Each	Nordson panel
6070	CRT	control panel CRT	BODY	01	B	9	5	Each	
6071	CRT	control panel CRT	BODY	01	B	9	2	Each	Nordson panel
6131	CRT	control panel CRT	BODY	01	H	10	2	Each	
6133	CRT	computer monitor	BODY	01	H	10	2	Each	
6135	CRT	control panel CRT	BODY	01	F	14	2	Each	Nordson panel
6136	CRT	control panel CRT	BODY	01	F	14	8	Each	
6137	CRT	computer monitor	BODY	01	F	14	4	Each	
6142	CRT	control panel CRT	BODY	01	H	16	2	Each	
6143	CRT	control panel CRT	BODY	01	H	16	2	Each	Nordson panel
6147	CRT	control panel CRT	BODY	01	G	15	4	Each	
6149	CRT	computer monitor	BODY	01	G	15	1	Each	
6150	CRT	control panel CRT	BODY	01	G	18	2	Each	
6151	CRT	computer monitor	BODY	01	G	18	1	Each	
6153	CRT	control panel CRT	BODY	01	H	18	2	Each	
6164	CRT	control panel CRT	BODY	01	J	18	1	Each	Nordson panel
6169	CRT	control panel CRT	BODY	01	E	18	5	Each	
6170	CRT	computer monitor	BODY	01	E	18	1	Each	
6174	CRT	control panel CRT	BODY	01	E	18	2	Each	Nordson panel
6232	CRT	control panel CRT	BODY	01	I	L	15	Each	
6234	CRT	computer monitor	BODY	01	L	15	1	Each	
6236	CRT	control panel CRT	BODY	01	N	18	3	Each	
6237	CRT	control panel CRT	BODY	01	N	17	1	Each	
6239	CRT	control panel CRT	BODY	01	N	16	1	Each	
6241	CRT	control panel CRT	BODY	01	M	18	1	Each	
6242	CRT	computer monitor	BODY	01	M	17	1	Each	
6243	CRT	control panel CRT	BODY	01	M	16	1	Each	
6245	CRT	computer monitor	BODY	01	M	15	1	Each	
6247	CRT	television	BODY	01	H	13	1	Each	
6251	CRT	control panel CRT	BODY	01	K	16	1	Each	Nordson panel
6253	CRT	control panel CRT	BODY	01	K	17	2	Each	
6255	CRT	computer monitor	BODY	01	K	18	1	Each	
6257	CRT	control panel CRT	BODY	01	K	18	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6258	CRT	control panel CRT	BODY	01	L	18	3	Each	
6259	CRT	computer monitor	BODY	01	L	17	2	Each	
6358	CRT	control panel CRT	BODY	01	M	15	1	Each	
6359	CRT	control panel CRT	BODY	01	M	13	2	Each	
6362	CRT	control panel CRT	BODY	01	J	13	1	Each	
6364	CRT	television	BODY	01	J	12	1	Each	
6366	CRT	control panel CRT	BODY	01	J	12	3	Each	
6367	CRT	computer monitor	BODY	01	J	12	1	Each	
6369	CRT	control panel CRT	BODY	01	L	12	1	Each	Nordson panel
6373	CRT	control panel CRT	BODY	01	M	12	1	Each	
6384	CRT	control panel CRT	BODY	01			1	Each	
6388	CRT	television	BODY	01	L	11	1	Each	
6393	CRT	control panel CRT	BODY	01	J	10	2	Each	
6396	CRT	control panel CRT	BODY	01	K	11	3	Each	
6397	CRT	computer monitor	BODY	01	K	11	1	Each	
6401	CRT	control panel CRT	BODY	01	N	11	1	Each	
6412	CRT	television	BODY	02	B	6	1	Each	MBM shop
6434	CRT	control panel CRT	BODY	02	C	3	1	Each	
6484	CRT	control panel CRT	BODY	02	E	18	1	Each	
6487	CRT	television	BODY	02	E	18	1	Each	
6494	CRT	computer monitor	BODY	02	E	10	2	Each	
6500	CRT	computer monitor	BODY	02	E	9	1	Each	
6508	CRT	computer monitor	BODY	02	D	6	2	Each	
6510	CRT	television	BODY	02	D	6	1	Each	
6516	CRT	television	BODY	02	E	6	2	Each	
6526	CRT	control panel CRT	BODY	02	G	17	1	Each	transfer panel no 291
6548	CRT	control panel CRT	BODY	03	D	6	1	Each	
6573	CRT	control panel CRT	BODY	OM	D	44	1	Each	
6594	CRT	electrical control cabinet air	BODY	OM	D	11	1	Each	
6595	CRT	computer monitor	BODY	OM	D	11	1	Each	
6606	CRT	computer monitor	BODY	02	G	6	1	Each	Old paint shop roof
6686	CRT	computer monitor	BODY	02	K	24	1	Each	Old paint shop roof
6751	CRT	control panel CRT	BODY	OM	B	10	1	Each	Rapistan conveyor
6752	CRT	control panel CRT	BODY	OM	AC	10	1	Each	Rapistan conveyor
6769	CRT	control panel CRT	BODY	OM	B	1	1	Each	Rapistan conveyor
6770	CRT	control panel CRT	BODY	OM	A	5	1	Each	
6771	CRT	computer monitor	BODY	OM	A	5	1	Each	
6772	CRT	computer monitor	BODY	OM	F	8	1	Each	Rapistan
6790	CRT	control panel CRT	BODY	OM	E	5	1	Each	Rapistan conveyor
6791	CRT	computer monitor	BODY	OM	E	5	1	Each	
6792	CRT	control panel CRT	BODY	OM	E	4	1	Each	Rapistan conveyor
6793	CRT	computer monitor	BODY	OM	E	4	1	Each	Rapistan conveyor

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6812	CRT	control panel CRT	BODY	OM	M	15	1	Each	Rapistan conveyor
6813	CRT	computer monitor	BODY	OM	M	15	1	Each	
6814	CRT	control panel CRT	BODY	OM	M	11	1	Each	Rapistan conveyor
6815	CRT	control panel CRT	BODY	OM	K	8	1	Each	Rapistan conveyor
6816	CRT	computer monitor	BODY	OM	K	8	1	Each	Rapistan conveyor
6830	CRT	control panel CRT	BODY	OM	G	12	1	Each	Rapistan conveyor
6833	CRT	control panel CRT	BODY	OM	G	15	1	Each	Rapistan conveyor
6834	CRT	computer monitor	BODY	OM	G	15	1	Each	
6844	CRT	control panel CRT	BODY	OM	E	12	1	Each	Rapistan conveyor
6852	CRT	computer monitor	BODY	OM	H	18	1	Each	RS buffer zone
6853	CRT	control panel CRT	BODY	OM	H	18	1	Each	Rapistan conveyor
6889	CRT	control panel CRT	BODY	OM	F	18	1	Each	Rapistan conveyor
6894	CRT	computer monitor	BODY	OM	D	18	3	Each	
6964	CRT	television	BODY	02	G	33	2	Each	
6968	CRT	control panel CRT	BODY	01	H	10	1	Each	
4426	CTN	coated concrete	BODY	OB		1	1	Each	13' x 5' x 2' in old ELPO area
4509	CTN	coated concrete	BODY	01	K	33	1	Each	20' x 10' x 0.5'
4510	CTN	coated concrete	BODY	01	K	33	1	Each	74' x 20' x 0.5' - heavy staining - see results from sump
5821	CTN	water	BODY	03			1	Each	abandoned paint room process ASH
1499	CYL	compressed gas - nitrogen	BODY	OR			1	Each	Substation E
1532	CYL	compressed gas - other	BODY	01	D	49	1	Each	B Tank
1882	CYL	compressed gas - argon	BODY	01	N	34	2	Each	
1891	CYL	compressed gas - other	BODY	01	N	29	1	Each	Not labled
3928	CYL	compressed gas - oxygen	BODY	01	D	51	2	Each	
3929	CYL	compressed gas - acetylene	BODY	01	D	51	2	Each	
3930	CYL	compressed gas - CO2	BODY	01	D	51	2	Each	
3934	CYL	compressed gas - argon	BODY	01	C	52	7	Each	
3935	CYL	compressed gas - acetylene	BODY	01	C	52	2	Each	
3937	CYL	compressed gas - CO2	BODY	01	C	52	1	Each	
3950	CYL	compressed gas - oxygen	BODY	01	C	54	2	Each	
3951	CYL	compressed gas - acetylene	BODY	01	C	54	1	Each	
3989	CYL	compressed air	BODY	02	C	34	1	Each	100 gal
4048	CYL	compressed gas - propane	BODY	01	G	39	1	Each	20#
4134	CYL	compressed gas - acetylene	BODY	01	N	30	4	Each	
4135	CYL	compressed gas - oxygen	BODY	01	N	30	1	Each	
4199	CYL	compressed gas - CO2	BODY	01	G	26	2	Each	
4210	CYL	compressed gas - CO2	BODY	01	M	32	2	Each	
4230	CYL	compressed gas - oxygen	BODY	01	J	30	1	Each	
4231	CYL	compressed gas - acetylene	BODY	01	J	30	1	Each	
4237	CYL	compressed gas - acetylene	BODY	01	H	34	2	Each	
4239	CYL	compressed gas - oxygen	BODY	01	H	34	6	Each	
4287	CYL	compressed gas - CO2	BODY	01	J	20	2	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5526	CYL	compressed gas - refrigerant	BODY	02	B	7	6	Each	3,200# R134A refrigerant
5537	CYL	compressed gas - acetylene	BODY	02	A	7	1	Each	
5560	CYL	air	BODY	02	A	2	1	Each	in cage
5757	CYL	compressed gas - nitrogen	BODY	03	H	35	1	Each	
5768	CYL	compressed gas - oxygen	BODY	03	K	35	1	Each	
5769	CYL	compressed gas - acetylene	BODY	03	K	35	1	Each	
5778	CYL	compressed gas - oxygen	BODY	03	E	22	1	Each	
5779	CYL	compressed gas - acetylene	BODY	03	E	22	1	Each	
5791	CYL	compressed gas - freon	BODY	03			1	Each	abandoned ASH exhaust fans
6424	CYL	compressed gas - carbon	BODY	02	C	7	1	Each	
6438	CYL	compressed gas - acetylene	BODY	02	C	5	2	Each	
6440	CYL	compressed gas - oxygen	BODY	02	C	5	3	Each	
6442	CYL	compressed gas - argon	BODY	02	C	5	4	Each	
6443	CYL	compressed gas - carbon	BODY	02	C	5	3	Each	
6444	CYL	compressed gas - other	BODY	02	C	5	1	Each	N.O.S.
6496	CYL	compressed gas - oxygen	BODY	02	D	9	1	Each	
6497	CYL	compressed gas - acetylene	BODY	02	D	9	1	Each	
6503	CYL	compressed gas - argon	BODY	02	D	9	2	Each	
6505	CYL	compressed gas - oxygen	BODY	02	D	9	3	Each	
6507	CYL	compressed gas - acetylene	BODY	02	D	9	3	Each	
6514	CYL	compressed gas - acetylene	BODY	02	E	5	6	Each	
6528	CYL	compressed gas - propane	BODY	02	G	19	1	Each	
7760	DRILL		BODY	2					
2089	DRN	drain	BODY	01	R	21	1	Each	In Rail well
3927	DRN	drain	BODY	01	D	51	1	Each	line goes east
4363	DRN	man hole	BODY	01	C	3	1	Each	Sanitary
4364	DRN	man hole	BODY	01	D	3	1	Each	unknown
4365	DRN	man hole	BODY	01	N	9	1	Each	unknown
4366	DRN	man hole	BODY	01	M	9	1	Each	unknown
4367	DRN	man hole	BODY	01	D	12	1	Each	unknown
4368	DRN	man hole	BODY	01	N	18	1	Each	Unknown
4502	DRN	man hole	BODY	01	D	12	1	Each	unmarked
4503	DRN	man hole	BODY	01	N	18	1	Each	unidentified
4505	DRN	drain	BODY	01	D	51	1	Each	
4506	DRN	drain	BODY	01	D	48	1	Each	
4682	DRN	drain	BODY	OB	N		8	Each	in N tunnel
5554	DRN	drain	BODY	02	A	4	1	Each	
5554	DRN	drain	BODY	02	A	4	1	Each	
6727	DRN	drain	BODY	01	L	35	1	Each	unmarked man hole
4064	drt	20# CO2	BODY	01	L	45	1	Each	
5555	DUC	exhaust	BODY	02	A	4	2	Each	Brinks exhaust hoods
1970	DUS	floor	BODY	01	K	24	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5688	DUS	truss	BODY	OM	M	4	1	Each	Heavy dust buildup in area
5690	DUS	truss	BODY	OM	J	15	1	Each	Heavy accumulation of dust in area
5690	DUS	truss	BODY	OM	J	15	1	Each	Heavy accumulation of dust in area
2215	F	20# dry	BODY	01	C	18	1	Each	
2266	F	20# CO2	BODY	01	AB	8	1	Each	
1514	FEX	20# water	BODY	01	E	40	1	Each	
1524	FEX	20# water	BODY	01	E	44	1	Each	
1525	FEX	20# water	BODY	01	E	46	1	Each	
1534	FEX	20# water	BODY	01	E	50	1	Each	
1536	FEX	20# CO2	BODY	01	D	52	1	Each	
1551	FEX	20# dry	BODY	01	F	49	1	Each	
1554	FEX	20# dry	BODY	01	F	43	1	Each	
1555	FEX	20# CO2	BODY	01	F	40	1	Each	
1563	FEX	20# CO2	BODY	01	F	36	1	Each	
1789	FEX	20# water	BODY	01	G	39	1	Each	
1795	FEX	20# water	BODY	01			1	Each	
1811	FEX	20# CO2	BODY	01	G	51	1	Each	
1815	FEX	10# water	BODY	01	H	52	1	Each	Tool repair
1818	FEX	20# CO2	BODY	01	H	52	1	Each	
1819	FEX	20# CO2	BODY	01	J	52	1	Each	
1821	FEX	20# CO2	BODY	01	J	50	1	Each	
1822	FEX	20# CO2	BODY	01	J	47	1	Each	
1827	FEX	20# CO2	BODY	01	J	45	1	Each	
1828	FEX	20# water	BODY	01	J	44	1	Each	
1829	FEX	20# water	BODY	01	J	42	1	Each	
1830	FEX	20# water	BODY	01	K	42	1	Each	
1834	FEX	20# water	BODY	01	K	48	1	Each	
1836	FEX	20# CO2	BODY	01	K	53	1	Each	
1841	FEX	20# CO2	BODY	01	J	54	3	Each	
1853	FEX	20# water	BODY	01	M	51	1	Each	
1856	FEX	20# CO2	BODY	01	M	47	1	Each	
1858	FEX	10# dry	BODY	01	L	46	1	Each	
1861	FEX	20# water	BODY	01	M	43	1	Each	
1862	FEX	20# water	BODY	01	L	39	1	Each	
1865	FEX	20# CO2	BODY	01	M	38	1	Each	
1873	FEX	20# CO2	BODY	01	M	35	1	Each	
1876	FEX	20# CO2	BODY	01	P	38	1	Each	
1877	FEX	20# water	BODY	01	P	41	1	Each	
1878	FEX	20# water	BODY	01	P	46	1	Each	
1879	FEX	20# CO2	BODY	01	N	55	1	Each	
1885	FEX	20# water	BODY	01	N	34	1	Each	
1887	FEX	10# water	BODY	01	P	33	1	Each	

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TABLE 1
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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1928	FEX	20# CO2	BODY	01	M	24	1	Each	
1983	FEX	20# CO2	BODY	01	L	26	1	Each	
2033	FEX	20# CO2	BODY	01	F	21	1	Each	
2040	FEX	20# CO2	BODY	01	E	22	1	Each	
2041	FEX	20# water	BODY	01	E	21	1	Each	
2050	FEX	20# CO2	BODY	01	J	21	1	Each	
2064	FEX	20# CO2	BODY	01	K	19	1	Each	
2078	FEX	20# CO2	BODY	01	H	19	1	Each	
2081	FEX	20# CO2	BODY	01	M	25	1	Each	
2090	FEX	20# water	BODY	01	E	22	1	Each	
2091	FEX	20# CO2	BODY	01	E	22	1	Each	
2092	FEX	20# CO2	BODY	01	D	23	1	Each	
2094	FEX	20# CO2	BODY	01	D	29	1	Each	
2216	FEX	20# water	BODY	01	C	15	1	Each	
2218	FEX	20# water	BODY	01	C	13	1	Each	
2228	FEX	20# water	BODY	01	B	14	1	Each	
2237	FEX	10# water	BODY	01	A	13	1	Each	
2261	FEX	20# CO2	BODY	01	AB	9	1	Each	
2265	FEX	20# CO2	BODY	01	AB	8	1	Each	
2275	FEX	20# CO2	BODY	01	AB	6	1	Each	
2330	FEX	20# CO2	BODY	01	AA	8	1	Each	
2334	FEX	20# CO2	BODY	01	AA	6	1	Each	
2342	FEX	20# CO2	BODY	01	AA	4	1	Each	
2376	FEX	20# CO2	BODY	01	A	10	1	Each	
2406	FEX	20# CO2	BODY	01	C	5	1	Each	
2409	FEX	20# CO2	BODY	01	D	5	1	Each	
2454	FEX	20# CO2	BODY	01	E	6	1	Each	
2469	FEX	20# CO2	BODY	01	B	6	1	Each	
2482	FEX	20# CO2	BODY	01	F	7	1	Each	
2487	FEX	20# water	BODY	01	F	6	1	Each	
2503	FEX	20# CO2	BODY	01	G	5	1	Each	
2561	FEX	20# CO2	BODY	01	H	2	1	Each	
2579	FEX	20# water	BODY	01	H	6	1	Each	
2590	FEX	20# water	BODY	01	G	8	1	Each	
2591	FEX	20# CO2	BODY	01	G	8	1	Each	
2592	FEX	20# water	BODY	01	J	9	1	Each	
2624	FEX	20# CO2	BODY	01	L	3	1	Each	
2666	FEX	20# CO2	BODY	01	M	7	1	Each	
2679	FEX	20# CO2	BODY	01	L	5	1	Each	
2692	FEX	20# CO2	BODY	01	L	8	1	Each	
2753	FEX	20# CO2	BODY	01	N	3	1	Each	
2761	FEX	20# dry	BODY	01	P	4	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2764	FEX	20# CO2	BODY	01	P	6	1	Each	
3917	FEX	20# CO2	BODY	01	C	36	1	Each	
3918	FEX	20# dry	BODY	01	D	37	1	Each	
3919	FEX	20# CO2	BODY	01	D	38	1	Each	
3920	FEX	20# water	BODY	01	D	39	1	Each	
3921	FEX	20# water	BODY	01	D	40	1	Each	
3922	FEX	20# water	BODY	01	D	46	1	Each	
3923	FEX	20# water	BODY	01	C	49	1	Each	
3924	FEX	20# dry	BODY	01	D	48	1	Each	
3931	FEX	20# CO2	BODY	01	C	51	1	Each	
3932	FEX	20# water	BODY	01	D	52	1	Each	
3940	FEX	20# water	BODY	01	D	52	3	Each	
3949	FEX	20# dry	BODY	01	C	54	1	Each	
3954	FEX	20# dry	BODY	01	C	58	1	Each	
3958	FEX	20# CO2	BODY	01	E	50	1	Each	
3961	FEX	20# CO2	BODY	01	D	52	1	Each	
3970	FEX	20# water	BODY	01	E	60	1	Each	
3971	FEX	20# CO2	BODY	01	E	60	1	Each	
3978	FEX	20# CO2	BODY	01	D	62	1	Each	
3981	FEX	20# water	BODY	01	D	62	1	Each	
3984	FEX	20# CO2	BODY	01	E	65	1	Each	
3985	FEX	20# CO2	BODY	01	D	64	1	Each	
3992	FEX	20# dry	BODY	02	B	35	1	Each	
4017	FEX	20# dry	BODY	01	F	43	1	Each	
4023	FEX	20# dry	BODY	01	F	49	1	Each	
4026	FEX	20# CO2	BODY	01	F	53	1	Each	
4027	FEX	20# dry	BODY	01	G	53	1	Each	
4031	FEX	20# water	BODY	01	G	53	1	Each	
4035	FEX	20# CO2	BODY	01	H	48	1	Each	
4036	FEX	20# CO2	BODY	01	H	47	1	Each	
4042	FEX	20# CO2	BODY	01	H	45	1	Each	
4043	FEX	20# dry	BODY	01	H	43	1	Each	
4046	FEX	20# water	BODY	01	H	40	1	Each	
4058	FEX	20# CO2	BODY	01	H	37	1	Each	
4063	FEX	20# CO2	BODY	01	K	42	1	Each	
4065	FEX	20# dry	BODY	01	L	45	1	Each	
4066	FEX	20# dry	BODY	01	L	46	1	Each	
4071	FEX	20# dry	BODY	01	L	57	1	Each	
4090	FEX	20# dry	BODY	01	M	54	1	Each	
4093	FEX	20# dry	BODY	01	N	49	1	Each	
4094	FEX	20# CO2	BODY	01	N	48	1	Each	
4095	FEX	20# water	BODY	01	N	47	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4105	FEX	20# water	BODY	01	N	37	1	Each	
4116	FEX	20# CO2	BODY	01	P	44	1	Each	
4120	FEX	20# water	BODY	01	P	49	1	Each	
4129	FEX	20# water	BODY	01	P	35	1	Each	
4149	FEX	20# CO2	BODY	01	L	24	1	Each	
4150	FEX	20# CO2	BODY	01	K	23	1	Each	
4174	FEX	20# CO2	BODY	01	D	23	1	Each	
4179	FEX	20# water	BODY	01	H	25	1	Each	
4193	FEX	20# CO2	BODY	01	G	26	1	Each	
4200	FEX	20# dry	BODY	01	K	28	1	Each	
4202	FEX	20# CO2	BODY	01	J	28	1	Each	
4203	FEX	20# CO2	BODY	01	H	28	1	Each	
4204	FEX	20# CO2	BODY	01	F	28	1	Each	
4205	FEX	20# CO2	BODY	01	M	28	1	Each	
4211	FEX	20# water	BODY	01	M	32	1	Each	
4216	FEX	20# CO2	BODY	01	L	34	1	Each	
4217	FEX	20# dry	BODY	01	L	32	1	Each	
4233	FEX	20# CO2	BODY	01	H	32	1	Each	
4235	FEX	20# water	BODY	01	H	34	1	Each	
4241	FEX	20# CO2	BODY	01	F	34	1	Each	
4244	FEX	20# water	BODY	01	H	31	1	Each	
4249	FEX	20# CO2	BODY	01	E	32	1	Each	
4250	FEX	20# CO2	BODY	01	D	29	1	Each	
4251	FEX	20# CO2	BODY	01	H	26	1	Each	
4301	FEX	20# CO2	BODY	01	L	21	1	Each	
4329	FEX	20# CO2	BODY	01	C	22	1	Each	
4331	FEX	20# CO2	BODY	01	C	25	1	Each	
4332	FEX	20# water	BODY	01	C	26	1	Each	
4335	FEX	20# CO2	BODY	01	D	21	1	Each	
4336	FEX	20# water	BODY	01	C	21	1	Each	
4387	FEX	20# CO2	BODY	OB		1	1	Each	
4388	FEX	20# water	BODY	OB		1	1	Each	
4390	FEX	20# water	BODY	OB		1	1	Each	
4393	FEX	20# dry	BODY	OB		1	1	Each	
4394	FEX	20# CO2	BODY	OB		1	1	Each	
4406	FEX	10# water	BODY	OB	F	22	1	Each	in tunnel
4407	FEX	20# water	BODY	OB	F	25	1	Each	in tunnel
4409	FEX	20# water	BODY	OB	F	28	1	Each	in tunnel
4410	FEX	20# water	BODY	OB	F	31	1	Each	in tunnel
4417	FEX	20# water	BODY	OB	F	34	1	Each	in tunnel
4420	FEX	20# water	BODY	OB	F	40	1	Each	in tunnel
4490	FEX	20# water	BODY	OB	B	17	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4491	FEX	20# CO2	BODY	OB	B	17	1	Each	
4500	FEX	20# CO2	BODY	OB		1	1	Each	in tunnel
4501	FEX	10# CO2	BODY	OB		1	1	Each	in tunnel
4663	FEX	50# CO2	BODY	OB	N		1	Each	in tunnel
4671	FEX	20# CO2	BODY	OB		1	1	Each	in tunnel
5528	FEX	20# dry	BODY	02	B	11	1	Each	
5544	FEX	20# CO2	BODY	02	B	4	1	Each	
5545	FEX	various	BODY	02	A	4	5	Each	accumulation area for fire protection
5557	FEX	various	BODY	02	A	2	66	Each	in crib
5561	FEX	20# CO2	BODY	02	L	4	1	Each	
5564	FEX	20# CO2	BODY	02	K	5	1	Each	
5601	FEX	20# dry	BODY	02	K	19	1	Each	
5623	FEX	20# water	BODY	02	J	16	1	Each	parts elevator
5633	FEX	20# CO2	BODY	02	J	13	1	Each	
5639	FEX	20# water	BODY	02	K	7	1	Each	
5646	FEX	20# CO2	BODY	02	H	19	1	Each	
5649	FEX	20# dry	BODY	02	G	6	1	Each	
5650	FEX	20# CO2	BODY	02	H	15	1	Each	
5651	FEX	20# water	BODY	02	H	15	1	Each	
5652	FEX	20# CO2	BODY	02	G	12	1	Each	
5653	FEX	20# CO2	BODY	02	H	13	1	Each	
5663	FEX	20# CO2	BODY	02	J	6	1	Each	
5673	FEX	20# CO2	BODY	02	G	10	1	Each	
5678	FEX	20# water	BODY	02	H	7	5	Each	
5680	FEX	20# CO2	BODY	02	F	4	1	Each	
5733	FEX	10# dry	BODY	03	P	2	1	Each	
5734	FEX	20# water	BODY	03	N	3	1	Each	
5735	FEX	20# dry	BODY	03	M	4	1	Each	
5737	FEX	20# water	BODY	03	L	5	1	Each	on lower roof
5749	FEX	20# water	BODY	03	N	12	1	Each	
5759	FEX	20# CO2	BODY	03	G	37	1	Each	
5765	FEX	20# CO2	BODY	03	K	35	1	Each	
5766	FEX	20# water	BODY	03	K	35	1	Each	
5788	FEX	20# water	BODY	03			3	Each	South abandoned penthouse
5830	FEX	10# CO2	BODY	03			1	Each	abandoned elevator stairs
5981	FEX	20# CO2	BODY	01	AA	1	1	Each	
5997	FEX	20# CO2	BODY	01	H	12	1	Each	
6001	FEX	20# CO2	BODY	01	E	12	1	Each	
6007	FEX	20# CO2	BODY	01	G	10	1	Each	
6014	FEX	20# dry	BODY	01	G	8	1	Each	
6015	FEX	20# CO2	BODY	01	G	8	1	Each	
6038	FEX	20# CO2	BODY	01	B	3	1	Each	

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TABLE 1
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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6043	FEX	20# CO2	BODY	01	D	4	1	Each	
6046	FEX	20# CO2	BODY	01	B	5	1	Each	
6052	FEX	20# water	BODY	01	AA	12	1	Each	
6059	FEX	20# CO2	BODY	01	AB	8	1	Each	
6061	FEX	20# CO2	BODY	01	AB	3	1	Each	
6067	FEX	20# dry	BODY	01	C	8	1	Each	
6068	FEX	20# CO2	BODY	01	C	7	1	Each	
6132	FEX	20# CO2	BODY	01	J	10	1	Each	
6145	FEX	20# CO2	BODY	01	H	16	1	Each	
6148	FEX	20# CO2	BODY	01	G	15	1	Each	
6240	FEX	20# CO2	BODY	01	M	19	1	Each	
6261	FEX	20# water	BODY	01	L	16	1	Each	
6360	FEX	20# CO2	BODY	01	L	14	1	Each	
6374	FEX	20# CO2	BODY	01	L	12	1	Each	
6377	FEX	20# CO2	BODY	01	N	12	1	Each	
6378	FEX	20# CO2	BODY	01	N	13	1	Each	
6390	FEX	20# CO2	BODY	01	M	10	1	Each	
6400	FEX	20# CO2	BODY	01	P	10	1	Each	
6402	FEX	20# CO2	BODY	01	N	12	1	Each	
6403	FEX	20# CO2	BODY	01	N	13	1	Each	
6408	FEX	20# water	BODY	02	B	9	1	Each	
6409	FEX	20# CO2	BODY	02	B	6	1	Each	
6415	FEX	20# water	BODY	02	B	6	1	Each	MBM shop
6427	FEX	20# CO2	BODY	02	C	6	1	Each	
6429	FEX	20# CO2	BODY	02	C	2	1	Each	
6430	FEX	20# CO2	BODY	02	C	1	1	Each	
6435	FEX	20# water	BODY	02	D	4	1	Each	
6445	FEX	20# dry	BODY	02	D	6	1	Each	
6448	FEX	20# CO2	BODY	02	D	9	1	Each	
6451	FEX	20# dry	BODY	02	C	13	1	Each	
6457	FEX	20# dry	BODY	02	C	19	1	Each	
6458	FEX	20# dry	BODY	02	D	19	1	Each	
6460	FEX	20# dry	BODY	02	E	19	1	Each	
6477	FEX	20# CO2	BODY	02	E	18	1	Each	
6488	FEX	20# water	BODY	02	E	17	1	Each	
6489	FEX	20# dry	BODY	02	E	13	1	Each	
6490	FEX	20# dry	BODY	02	F	13	1	Each	
6492	FEX	20# CO2	BODY	02	E	11	1	Each	
6498	FEX	20# dry	BODY	02	D	9	1	Each	
6517	FEX	20# water	BODY	02	F	9	1	Each	
6531	FEX	20# CO2	BODY	02	G	7	1	Each	
6547	FEX	20# dry	BODY	03	D	6	1	Each	office area

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6589	FEX	20# water	BODY	OM	N	34	1	Each	
6591	FEX	20# water	BODY	OM	N	28	1	Each	
6601	FEX	20# water	BODY	02	H	21	1	Each	Old paint shop roof
6670	FEX	20# dry	BODY	02	J	14	1	Each	Old paint shop roof
6671	FEX	20# water	BODY	02	M	20	1	Each	Old paint shop roof
6672	FEX	20# water	BODY	02	L	21	1	Each	Old paint shop roof
6689	FEX	20# water	BODY	02	K	21	1	Each	Old paint shop roof
6832	FEX	20# CO2	BODY	OM	G	15	1	Each	
6898	FEX	20# CO2	BODY	OM	D	18	1	Each	
6931	FEX	20# dry	BODY	02	L	13	1	Each	
6933	FEX	20# dry	BODY	02	L	27	1	Each	
6962	FEX	20# CO2	BODY	02	G	33	1	Each	
6963	FEX	20# water	BODY	02	G	33	1	Each	
1791	FLR	concrete	BODY	01	F	39	1	Each	Maintenance area
1870	FLR	concrete	BODY	01	M	37	1	Each	Heavy staining
2229	FLR	concrete	BODY	01	A	13	1	Each	Stained
2236	FLR	concrete	BODY	01	AA	13	1	Each	Heavy Staining in wash bay
2478	FLR	concrete	BODY	01	D	7	1	Each	stained
2763	FLR	concrete	BODY	01	R	4	1	Each	Broken Floor in RR well
4340	FLR	concrete	BODY	01	P	3	1	Each	Heavy staining
4433	FLR	concrete	BODY	OB		1	1	Each	Dried up sludge
5525	FLR	concrete	BODY	02	B	7	1	Each	heavy staining
5719	FLR	concrete	BODY	02	B	7	1	Each	heavy staining
5770	FLR	debris	BODY	03	K	35	1	Each	Heavy build up on floor
7655	FLR	concrete	BODY						
7656	FLR	concrete	BODY						
1788	FTR	exhaust	BODY	01	F	38	1	Each	on Haring Grinder
1790	FTR	exhaust	BODY	01	F	38	1	Each	unit on floor
1805	FTR	oil filter	BODY	01	F	47	1	Each	Rear axle fill
2001	FTR	oil filter	BODY	01	J	26	1	Each	on Hydraulic Pump
2022	FTR	oil filter	BODY	01	F	19	1	Each	on hydraulic pump
2072	FTR	on hydraulic pump	BODY	01	J	20	1	Each	
2349	FTR	air filter	BODY	01	AA	4	1	Each	
2393	FTR	dust	BODY	01	A	4	2	Each	
2476	FTR	dust	BODY	01	C	8	1	Each	
2557	FTR	oil filter	BODY	01	G	1	8	Each	2 on each of 4 Hydraulic Pumps
4104	FTR	water	BODY	01	M	37	1	Each	on floor
4142	FTR	air filter	BODY	01	P	25	1	Each	on floor
4346	FTR	water	BODY	01	P	3	2	Each	water softener
4377	FTR	water	BODY	01	P	2	1	Each	
4461	FTR	water	BODY	OB	B	19	2	Each	
4677	FTR	water	BODY	OB	N		5	Each	loose on floor in upper storage area near N24

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5539	FTR	air filter	BODY	02	A	9	6	Each	for air dryer
5540	FTR	air filter	BODY	02	A	8	12	Each	on air dryer
5679	FTR	air filter	BODY	02	J	4	1	Each	weld air
5798	FTR	air filter	BODY	03			1	Each	abandoned prime & misc. 3 ASH
5803	FTR	air filter	BODY	03			1	Each	abandoned 304 booth ASH
5806	FTR	air filter	BODY	03			1	Each	abandoned 306 booth ASH
5840	FTR	air filter	BODY	03			1	Each	abandoned cab & box touch up & misc. #2 ASH
5851	FTR	air filter	BODY	03			1	Each	abandoned 206 booth ASH
5856	FTR	air filter	BODY	03			1	Each	abandoned 204 booth ASH
5860	FTR	air filter	BODY	03			1	Each	abandoned 202 booth ASH
6141	FTR	air filter	BODY	01	H	16	4	Each	
6254	FTR	air filter	BODY	01	K	17	8	Each	
6260	FTR	air filter	BODY	01	L	17	4	Each	
6385	FTR	air filter	BODY	01	M	11	4	Each	
6479	FTR	air filter	BODY	02	E	18	3	Each	Compressor units 1,2 &3
6530	FTR	water	BODY	02	F	19	1	Each	
6598	FTR	air filter	BODY	OM	K	3	1	Each	Torrit Filter
6675	FTR	air filter	BODY	02	M	24	1	Each	Old paint shop roof - ELPO heated ceiling
6692	FTR	water	BODY	02	N	13	1	Each	Old paint shop roof
6871	FTR	air filter	BODY	OM	G	25	1	Each	Torrit filter
6883	FTR	exhaust	BODY	OM	G	21	1	Each	
1462	LIT	4 ' 4 bulb 2 ballast	BODY	02			1	Each	Sub Station B
1510	LIT	4 ' 2 bulb 1 ballast	BODY	01			1	Each	
4016	LIT	1' 2bulb, 1 ballast	BODY	01	G	39	1	Each	work light on desk
1463	MCD	thermostat	BODY	02			2	Each	Sub Station B
1472	MCD	thermostat	BODY	02			3	Each	Sub Station A
1497	MCD	thermostat	BODY	OR			2	Each	Substation E
4466	MCD	mercury switch	BODY	OB	B	19	3	Each	on each of 3 boilers
4473	MCD	thermostat	BODY	OB	B	19	3	Each	1 on each of 3 boilers
4660	MCD	mercury switch	BODY	OB	L		2	Each	on sump in L line trench
4674	MCD	mercury switch	BODY	OB	N		1	Each	on sump pump in upper storage area off near N24
4686	MCD	mercury switch	BODY	OB	N		2	Each	In lower storage area, loose on floor
4694	MCD	mercury switch	BODY	OB	M-N	1	2	Each	on sump in old boiler room
5755	MCD	thermostat	BODY	03	P	33	1	Each	on wall
5792	MCD	thermostat	BODY	03			1	Each	abandoned ASH exhause fans
5793	MCD	thermostat	BODY	03			3	Each	abandoned prime & misc #3 ASH
5796	MCD	gas pressure switch	BODY	03			8	Each	abandoned prime & misc. #3 ASH
5802	MCD	thermostat	BODY	03			2	Each	abandoned 304 booth ASH
5804	MCD	gas pressure switch	BODY	03			6	Each	abandoned 304 booth ASH
5807	MCD	gas pressure switch	BODY	03			8	Each	abandoned 306 booth ASH
5817	MCD	thermostat	BODY	03			1	Each	abandoned 306 booth ASH
5819	MCD	thermometer	BODY	03			8	Each	abandoned paint rool process ASH

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5838	MCD	gas pressure switch	BODY	03			8	Each	abandoned cab & box touch up & misc. #2 ASH
5839	MCD	thermostat	BODY	03			2	Each	abandoned cab & box touch up & misc. #2 ASH
5844	MCD	gas pressure switch	BODY	03			6	Each	abandoned 208 booth ASH
5845	MCD	thermostat	BODY	03			2	Each	abandoned 208 booth ASH
5849	MCD	gas pressure switch	BODY	03			8	Each	abandoned 206 booth ASH
5850	MCD	thermostat	BODY	03			2	Each	abandoned 206 booth ASH
5854	MCD	thermostat	BODY	03			2	Each	abandoned 204 booth ASH
5855	MCD	gas pressure switch	BODY	03			6	Each	abandoned 204 booth ASH
5858	MCD	thermostat	BODY	03			2	Each	abandoned 202 booth ASH
5859	MCD	gas pressure switch	BODY	03			10	Each	abandoned 202 booth ASH
1833	MED	bio hazard pail	BODY	01	K	47	1	Each	
1857	MED	Bio Hazard	BODY	01	L	46	1	Each	
3972	MED	biohazard pail	BODY	01	E	60	1	Each	
5563	MED	biohazard pail	BODY	02	K	5	1	Each	
5799	MED	bags	BODY	03			9	Each	abandoned 304 booth ASH - birds, fecal matter
6391	MED	drum feeder	BODY	01	L	10	2	Each	
2233	MIS	Kerosene heaters	BODY	01	A	13	2	Each	5 gal Kerosene
2234	MIS	pressure washer	BODY	01	A	13	2	Each	gasoline powered
2239	MIS	pump	BODY	01	AA	13	1	Each	gasoline powered
3941	MIS	cleaning supplies	BODY	01	C	52	20	Each	misc cans, lubricants, degreaser
3947	MIS	kerosene heater	BODY	01	C	53	1	Each	
3959	MIS	welder	BODY	01	D	54	1	Each	oxygen & acetlyne
3966	MIS	cleaning supplies	BODY	01	E	55	5	Each	
4030	MIS	kerosene heater	BODY	01	G	53	2	Each	5 gal kerosene
4032	MIS	flammable locker	BODY	01	H	53	1	Each	
4102	MIS	kerosene heater	BODY	01	M	40	1	Each	5 gal kerosene
4114	MIS	cleaning supplies	BODY	01	P	39	75	Each	misc bottles
4133	MIS	flammable locker	BODY	01	N	32	1	Each	
4228	MIS	kerosene heater	BODY	01	J	31	1	Each	5 gal kerosene
4248	MIS	flammable locker	BODY	01	F	31	1	Each	CMM lab
4517	MIS	kerosene heater	BODY	01		0	1	Each	5 gal kerosene south of 1 column line
4667	MIS	cart	BODY	OB		1	1	Each	300 gal oily substance
4668	MIS	vac cart	BODY	OB		1	1	Each	debris
5534	MIS	flammable locker	BODY	02	A	9	1	Each	
5536	MIS	flammable locker	BODY	02	A	7	1	Each	
5558	MIS	kerosene heater	BODY	02	A	2	1	Each	5 gal kerosene
5641	MIS	flammable locker	BODY	02	J	6	1	Each	
5666	MIS	paint sprayers	BODY	02	G	6	4	Each	for floor line painting
5681	MIS	carrier	BODY	02	G	3	1	Each	body carrier
5758	MIS	drum feeder	BODY	03	H	38	1	Each	loose on floor
5762	MIS	drum feeder	BODY	03	G	35	1	Each	
5986	MIS	drum feeder	BODY	01	C	2	6	Each	grease

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5998	MIS	drum feeder	BODY	01	G	12	2	Each	
6006	MIS	drum feeder	BODY	01	G	10	2	Each	
6010	MIS	drum feeder	BODY	01	G	9	2	Each	
6023	MIS	flammable locker	BODY	01	A	12	1	Each	oil, gas, diesel
6050	MIS	equipment washer	BODY	01	AA	12	1	Each	
6065	MIS	drum feeder	BODY	01	B	7	4	Each	
6072	MIS	drum feeder	BODY	01	B	9	2	Each	
6134	MIS	drum feeder	BODY	01	F	14	4	Each	
6144	MIS	drum feeder	BODY	01	H	16	4	Each	
6172	MIS	drum feeder	BODY	01	J	18	4	Each	
6252	MIS	drum feeder	BODY	01	K	16	2	Each	
6371	MIS	drum feeder	BODY	01	L	12	2	Each	
6376	MIS	drum feeder	BODY	01	N	12	1	Each	
6392	MIS	drum feeder	BODY	01	K	10	2	Each	
6399	MIS	drum feeder	BODY	01	K	11	2	Each	
6417	MIS	kerosene heater	BODY	02	B	6	1	Each	MBM shop
6418	MIS	spary paint machine	BODY	02	B	6	1	Each	MBM shop - gas powered
6681	MIS	flammable locker	BODY	02	L	27	1	Each	Old paint shop roof
6683	MIS	flammable locker	BODY	02	K	27	1	Each	Old paint shop roof
6896	MIS	laboratory chemicals	BODY	OM	D	18	5	Each	small bottles
980	OFM	robot	BODY	01	K	27	1	Each	SS 035 R1-1
1526	OFM	gear box	BODY	01	D	46	1	Each	
1541	OFM	gear box - conveyor drive	BODY	01	E	53	2	Each	Conveyor 620
1552	OFM	oil reservoir	BODY	01	F	44	1	Each	Chain Lubricator for overhead conveyors
1775	OFM	mill	BODY	01	F	36	5	Each	Bridgeport
1776	OFM	mill	BODY	01	F	36	1	Each	Power Lock
1778	OFM	press	BODY	01	F	36	1	Each	hand press
1780	OFM	lathe	BODY	01	F	37	1	Each	Lodge & Shipley
1781	OFM	band saw	BODY	01	F	37	1	Each	Marvel
1782	OFM	band saw	BODY	01	F	38	1	Each	Do All
1784	OFM	lathe	BODY	01	F	38	1	Each	Hardinge
1793	OFM	mill	BODY	01	F	40	1	Each	Bridgeport
1843	OFM	gear box - over head door	BODY	01	J	56	1	Each	
1845	OFM	compactor	BODY	01	J	56	2	Each	
1846	OFM	hydraulic pump	BODY	01	J	56	2	Each	
1848	OFM	hydraulic pump	BODY	01	J	56	2	Each	lift for Compactor
1849	OFM	gear box - over head door	BODY	01	L	57	1	Each	dock # 246
1850	OFM	gear box - over head door	BODY	01	L	57	1	Each	dock # 248
1851	OFM	gear box - over head door	BODY	01	L	57	1	Each	dock # 249
1852	OFM	gear box - over head door	BODY	01	L	57	1	Each	dock # 244
1872	OFM	robot	BODY	01		36	9	Each	disconnected on floor without controllers
1880	OFM	gear box - over head door	BODY	01	P	55	2	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1889	OFM	robot	BODY	01	N	31	17	Each	Not connected
1890	OFM	oil reservoir	BODY	01	N	30	3	Each	loose on floor
1893	OFM	oil reservoir	BODY	01	N	28	1	Each	Chain lubricator loose
1895	OFM	gear box - conveyor drive	BODY	01	N	28	6	Each	on loose Conveyors
1897	OFM	gear box	BODY	01	N	27	4	Each	loose on floor
1898	OFM	band saw	BODY	01	N	26	1	Each	Do All
1901	OFM	compressor	BODY	01	N	24	1	Each	small portable
1902	OFM	robot	BODY	01	M	24	1	Each	TZ 010 RI
1905	OFM	robot	BODY	01	M	24	1	Each	TZ 020 R 1
1907	OFM	robot	BODY	01	M	25	1	Each	TZ 030 R1
1912	OFM	gear box - conveyor drive	BODY	01	M	25	1	Each	Training cell
1916	OFM	robot	BODY	01	M	27	1	Each	SY 010 R1
1917	OFM	oil reservoir	BODY	01	M	27	2	Each	Traban Lubricators grease SY Zone
1920	OFM	robot	BODY	01	M	27	1	Each	SY 030 R1
1922	OFM	robot	BODY	01	M	27	1	Each	SY 060 P2 R1
1923	OFM	robot	BODY	01	M	26	1	Each	SY 070 P2 R1
1924	OFM	robot	BODY	01	L	25	1	Each	SY 080 R1
1925	OFM	robot	BODY	01	L	25	1	Each	SY 090 R1
1927	OFM	drum feeder	BODY	01	M	24	4	Each	SY Line Sealer
1930	OFM	robot	BODY	01	L	24	1	Each	SY 110 R1
1934	OFM	robot	BODY	01	K	24	1	Each	SY 210 P2 R1
1935	OFM	robot	BODY	01	K	24	1	Each	SY 220 P2 R1
1937	OFM	robot	BODY	01	J	24	1	Each	SY 230 R1
1938	OFM	robot	BODY	01	J	24	1	Each	SY 260 R1
1939	OFM	gear box - conveyor drive	BODY	01	J	24	1	Each	SY Cell
1946	OFM	robot	BODY	01	J	25	1	Each	SP 010 RR1
1947	OFM	hydraulic pump	BODY	01	J	25	1	50	SY Zone
1948	OFM	robot	BODY	01	X	25	1	Each	SY 240 R1
1949	OFM	robot	BODY	01	K	25	1	Each	SY 250 R1
1950	OFM	robot	BODY	01	K	25	1	Each	ST 220 P1 R1
1956	OFM	robot	BODY	01	L	25	1	Each	SY 190 R1
1957	OFM	robot	BODY	01	L	25	1	Each	SY 150 R1
1958	OFM	robot	BODY	01	L	25	1	Each	SY 130 R1
1960	OFM	robot	BODY	01	L	26	1	Each	SY 070 P1 R1
1961	OFM	robot	BODY	01	L	27	1	Each	SY 060 P1 R1
1962	OFM	robot	BODY	01	L	27	1	Each	SY 040 R1
1964	OFM	gear box	BODY	01	L	26	1	Each	SY cell
1965	OFM	hydraulic pump	BODY	01	L	25	1	Each	SY Cell
1966	OFM	hydraulic pump	BODY	01	L	24	1	200	on platform
1968	OFM	gear box	BODY	01	N	24	3	Each	SY cell
1971	OFM	gear box	BODY	01	K	24	1	Each	SY cell
1972	OFM	gear box	BODY	01	H	27	1	Each	SS cell

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1973	OFM	robot	BODY	01	J	27	1	Each	SS 200 R1
1974	OFM	robot	BODY	01	J	27	1	Each	SS 180 RR1
1977	OFM	robot	BODY	01	K	27	1	Each	SS 110 R1 R1-1
1978	OFM	robot	BODY	01	K	27	1	Each	SS 060 R1 R1-1
1979	OFM	mill	BODY	01	k	27	1	Each	SS 045 RR1
1980	OFM	robot	BODY	01	K	27	1	Each	SS 035 R1-1
1981	OFM	robot	BODY	01	K	27	1	Each	SS 025 RR2
1984	OFM	robot	BODY	01	K	26	1	Each	SS 080 R1 R1-1
1989	OFM	drum feeder	BODY	01	J	26	4	Each	Uniseal adhesive
1990	OFM	robot	BODY	01	J	26	1	Each	SS 120 R1 R1-1
1991	OFM	robot	BODY	01	J	26	1	Each	SS 130 R1 R1-1
1995	OFM	robot	BODY	01	J	26	1	Each	4 190 RR1
1998	OFM	gear box	BODY	01	K	27	1	Each	SS cell
1999	OFM	gear box	BODY	01	K	26	1	Each	SS cell
2000	OFM	hydraulic pump	BODY	01	J	26	1	150	on Platform
2011	OFM	robot	BODY	01	E	20	1	Each	ST 060 LR1
2012	OFM	robot	BODY	01	E	20	1	Each	ST 080 LR1
2014	OFM	robot	BODY	01	E	19	1	Each	ST 120 LR1
2018	OFM	drum feeder	BODY	01	F	19	3	Each	Unseal
2020	OFM	hydraulic pump	BODY	01	F	19	1	Gal	on platform
2023	OFM	robot	BODY	01	F	19	1	Each	ST 170 LRI
2024	OFM	gear box	BODY	01	G	19	1	Each	ST cell
2027	OFM	robot	BODY	01	G	20	1	Each	ST 180 LR1
2028	OFM	robot	BODY	01	G	20	1	Each	ST 175 LR2
2035	OFM	robot	BODY	01	E	21	1	Each	ST 110 LR1
2037	OFM	robot	BODY	01	F	21	1	Each	ST 401 RI
2038	OFM	robot	BODY	01	F	21	1	Each	ST 025 L1
2043	OFM	gear box	BODY	01	E	20	1	Each	ST cell
2046	OFM	robot	BODY	01	H	20	1	Each	SS 190 LR1
2049	OFM	drum feeder	BODY	01	J	20	4	Each	Uniseal
2051	OFM	oil reservoir	BODY	01	J	21	1	Each	OH chain Lubricator
2055	OFM	robot	BODY	01	J	21	1	Each	SS 130 LR1
2056	OFM	robot	BODY	01	J	21	1	Each	SS 080 LR1
2062	OFM	robot	BODY	01	K	19	1	Each	SS 025 LR1
2063	OFM	robot	BODY	01	K	19	1	Each	SS 035 LR1
2065	OFM	robot	BODY	01	K	19	1	Each	SS 045 LR1
2066	OFM	robot	BODY	01	J	19	1	Each	SS 060 R1 LH
2067	OFM	robot	BODY	01	J	19	1	Each	SS 110 LR1
2069	OFM	gear box	BODY	01	J	19	1	Each	
2073	OFM	hydraulic pump	BODY	01	J	20	1	Each	on platform
2075	OFM	robot	BODY	01	H	19	1	Each	SS 180 LR2
2077	OFM	gear box	BODY	01	H	19	1	Each	

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2079	OFM	robot	BODY	01	H	19	1	Each	SS 200 LR1
2084	OFM	gear box	BODY	01	N	20	4	Each	parts elevator
2086	OFM	gear box - conveyor drive	BODY	01	N	20	1	Each	Rapistan conveyor
2087	OFM	gear box - conveyor drive	BODY	01	N	21	2	Each	Rapistan Conveyor
2088	OFM	gear box - conveyor drive	BODY	01	N	22	2	Each	Rapistan Conveyor
2219	OFM	lift	BODY	01	B	13	1	Each	fork truck lift
2230	OFM	generator	BODY	01	A	13	1	Each	
2232	OFM	pump	BODY	01	A	13	2	Each	gasoline powered
2242	OFM	gear box - over head door	BODY	01	AB	14	1	Each	
2243	OFM	gear box - over head door	BODY	01	AC	13	1	Each	dock # 091
2244	OFM	gear box - over head door	BODY	01	AC	13	1	Each	dock # 093
2255	OFM	gear box	BODY	01	AB	10	1	Each	
2256	OFM	robot	BODY	01	AB	9	1	Each	R 160 PI R3
2259	OFM	robot	BODY	01	AB	9	1	Each	R 160 PI R1
2260	OFM	robot	BODY	01	AB	9	1	Each	R 150 PI R3
2262	OFM	robot	BODY	01	AB	8	1	Each	R 150 PI RI
2263	OFM	robot	BODY	01	AB	8	1	Each	R 130 PI R3
2267	OFM	robot	BODY	01	AB	8	1	Each	R 130 PI RI
2269	OFM	robot	BODY	01	AB	7	1	Each	R 120 PI R 3
2270	OFM	robot	BODY	01	AB	7	1	Each	R 120 PI RI
2271	OFM	robot	BODY	01	AB	6	1	Each	R 100 PI R3
2272	OFM	robot	BODY	01	AB	6	1	Each	R 100 PI RI
2274	OFM	robot	BODY	01	AB	6	1	Each	1
2277	OFM	robot	BODY	01	AB	5	1	Each	R 070 PI R3
2278	OFM	robot	BODY	01	AB	5	1	Each	R 070 PI RI
2281	OFM	robot	BODY	01	AB	4	1	Each	R 060 PI R3
2282	OFM	robot	BODY	01	AB	4	1	Each	R 060 PI RI
2283	OFM	robot	BODY	01	AB	4	1	Each	R 050 PI R3
2285	OFM	robot	BODY	01	AB	3	1	Each	R 050 PI RI
2286	OFM	robot	BODY	01	AB	3	1	Each	R 040 P2 R2
2287	OFM	robot	BODY	01	AB	3	1	Each	R 040 P2 R4
2288	OFM	robot	BODY	01	AB	3	1	Each	R 050 P2 R2
2289	OFM	gear box	BODY	01	AB	3	3	Each	
2290	OFM	robot	BODY	01	AB	4	1	Each	R 050 P2 R4
2291	OFM	gear box	BODY	01	AB	4	6	Each	
2292	OFM	robot	BODY	01	AB	4	1	Each	R 060 M RZ
2293	OFM	robot	BODY	01	AB	4	1	Each	R 060 P2 R4
2294	OFM	robot	BODY	01	AB	4	1	Each	R 070 P2 R2
2295	OFM	robot	BODY	01	AB	5	1	Each	R 070 P2 R4
2296	OFM	gear box	BODY	01	AB	5	3	Each	
2297	OFM	robot	BODY	01	AB	6	1	Each	R 090 P2 R2
2298	OFM	gear box	BODY	01	AB	6	6	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2299	OFM	robot	BODY	01	AB	6	1	Each	R 100 P2 R2
2300	OFM	robot	BODY	01	AB	6	1	Each	R 100 P2 R4
2301	OFM	gear box	BODY	01	AB	7	4	Each	
2302	OFM	robot	BODY	01	AB	7	1	Each	R I20 P2 R2
2303	OFM	robot	BODY	01	AB	7	1	Each	R 120 P2 R4
2304	OFM	robot	BODY	01	AB	8	1	Each	R 130 P2 R2
2305	OFM	robot	BODY	01	AB	8	1	Each	R 130 P2 R4
2306	OFM	gear box	BODY	01	AB	8	4	Each	
2307	OFM	robot	BODY	01	AB	8	1	Each	H 100 R3
2308	OFM	robot	BODY	01	AB	9	1	Each	R 150 P2 R2
2309	OFM	robot	BODY	01	AB	9	1	Each	R 150 P2 R4
2310	OFM	robot	BODY	01	AB	9	1	Each	R 160 P2 R2
2313	OFM	gear box	BODY	01	AB	9	6	Each	
2315	OFM	gear box	BODY	01	AB	10	2	Each	
2317	OFM	gear box	BODY	01	AA	10	3	Each	
2318	OFM	oil reservoir	BODY	01	AA	10	50	Gal	oil
2320	OFM	robot	BODY	01	AA	9	1	Each	R 160 P2 R3
2321	OFM	robot	BODY	01	AA	9	1	Each	R 160 P2 RI
2322	OFM	robot	BODY	01	AA	8	1	Each	R 150 P2 R3
2323	OFM	robot	BODY	01	AA	8	1	Each	R 150 P2 RI
2324	OFM	robot	BODY	01	AA	8	1	Each	R 130 P2 R3
2325	OFM	robot	BODY	01	AA	8	1	Each	R 130 P2 RI
2328	OFM	robot	BODY	01	AA	7	1	Each	R 120 P2 R3
2329	OFM	robot	BODY	01	AA	7	1	Each	R 120 P2 RI
2331	OFM	robot	BODY	01	AA	6	1	Each	R 100 P2 R2
2332	OFM	robot	BODY	01	AA	6	1	Each	R 100 P2 R1
2333	OFM	robot	BODY	01	AA	6	1	Each	R 090 P2 RI
2335	OFM	robot	BODY	01	AA	5	1	Each	R 070 P2 R3
2336	OFM	robot	BODY	01	AA	5	1	Each	R 070 P2 RI
2338	OFM	robot	BODY	01	AA	4	1	Each	R 060 P2 R3
2339	OFM	robot	BODY	01	AA	4	1	Each	R 060 P2 RI
2340	OFM	robot	BODY	01	AA	4	1	Each	R 050 P2 R3
2341	OFM	robot	BODY	01	AA	4	1	Each	R 050 P2 RI
2344	OFM	robot	BODY	01	AA	3	1	Each	R 040 P2 R3
2345	OFM	robot	BODY	01	AA	3	1	Each	R 040 P2 RI
2347	OFM	gear box	BODY	01	AA	3	2	Each	
2348	OFM	robot	BODY	01	AA	4	1	Each	R 310 R3
2351	OFM	robot	BODY	01	AA	4	1	Each	R 300 R3
2352	OFM	robot	BODY	01	AA	4	1	Each	R 300 R1
2353	OFM	gear box	BODY	01	AA	4	6	Each	
2354	OFM	robot	BODY	01	AA	5	1	Each	R 290 R3
2355	OFM	robot	BODY	01	AA	5	1	Each	R 290 R1

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TABLE 1
ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2357	OFM	robot	BODY	01	AA	5	1	Each	R 280 R3
2358	OFM	robot	BODY	01	AA	5	1	Each	R 280 R1
2359	OFM	gear box	BODY	01	AA	5	6	Each	
2360	OFM	gear box	BODY	01	AA	6	6	Each	
2361	OFM	robot	BODY	01	AA	6	1	Each	R 260 R3
2362	OFM	robot	BODY	01	AA	6	1	Each	R 260 R1
2363	OFM	gear box	BODY	01	AA	7	6	Each	
2364	OFM	robot	BODY	01	AA	7	1	Each	R 250 R3
2365	OFM	robot	BODY	01	AA	7	1	Each	R 250 R1
2366	OFM	robot	BODY	01	AA	8	1	Each	R 230 R3
2367	OFM	gear box	BODY	01	AA	8	6	Each	
2371	OFM	robot	BODY	01	AA	8	1	Each	R 210 R3
2372	OFM	robot	BODY	01	AA	9	1	Each	R 210 RI
2373	OFM	cardboard bailer	BODY	01	AA	9	1	Each	
2374	OFM	gear box	BODY	01	AA	10	2	Each	
2377	OFM	robot	BODY	01	A	9	1	Each	R 210 R2
2379	OFM	robot	BODY	01	A	8	1	Each	R 210 R4
2380	OFM	gear box	BODY	01	A	8	1	Each	
2381	OFM	robot	BODY	01	A	7	1	Each	R 230 R2
2382	OFM	robot	BODY	01	A	7	1	Each	R 230 R4
2383	OFM	robot	BODY	01	A	7	1	Each	R 250 R2
2384	OFM	robot	BODY	01	A	7	1	Each	R 250 R4
2385	OFM	robot	BODY	01	A	6	1	Each	R 260 R2
2386	OFM	robot	BODY	01	A	6	1	Each	R 260 R4
2387	OFM	robot	BODY	01	A	5	1	Each	R 280 R2
2388	OFM	robot	BODY	01	A	5	1	Each	R 280 R4
2389	OFM	robot	BODY	01	A	5	1	Each	R 290 R2
2390	OFM	robot	BODY	01	A	5	1	Each	R 290 R4
2391	OFM	robot	BODY	01	A	4	1	Each	R 300 R2
2392	OFM	robot	BODY	01	A	4	1	Each	R 300 R4
2394	OFM	robot	BODY	01	A	4	1	Each	BC 050 R3
2395	OFM	robot	BODY	01	A	3	1	Each	R 310 R4
2397	OFM	gear box	BODY	01	A	3	3	Each	
2399	OFM	gear box	BODY	01	A	4	3	Each	
2403	OFM	robot	BODY	01	B	5	1	Each	L 170 R8
2404	OFM	robot	BODY	01	B	5	1	Each	L 170 R6
2405	OFM	gear box	BODY	01	B	5	2	Each	
2407	OFM	robot	BODY	01	B	5	1	Each	L 170 R4
2408	OFM	robot	BODY	01	C	5	1	Each	L 170 R2
2410	OFM	gear box	BODY	01	C	5	3	Each	
2411	OFM	robot	BODY	01	D	5	1	Each	L 140 R4
2412	OFM	robot	BODY	01	D	5	1	Each	L 140 R2

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TABLE 1
ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2413	OFM	gear box	BODY	01	D	5	4	Each	
2414	OFM	gear box	BODY	01	E	5	2	Each	
2415	OFM	gear box	BODY	01	E	6	2	Each	
2416	OFM	robot	BODY	01	E	6	1	Each	L 090 R8
2417	OFM	robot	BODY	01	E	6	1	Each	L 090 R6
2418	OFM	gear box	BODY	01	E	7	3	Each	
2419	OFM	gear box	BODY	01	E	8	3	Each	
2420	OFM	robot	BODY	01	E	7	1	Each	L 090 R4
2421	OFM	robot	BODY	01	E	7	1	Each	L 090 RZ
2423	OFM	drum feeder	BODY	01	E	8	2	Each	
2426	OFM	robot	BODY	01	E	9	1	Each	L 050 R2
2427	OFM	gear box	BODY	01	E	9	6	Each	
2428	OFM	robot	BODY	01	E	10	1	Each	L 040 R4
2429	OFM	robot	BODY	01	E	10	1	Each	L 040 RZ
2431	OFM	drum feeder	BODY	01	E	10	4	Each	
2433	OFM	gear box	BODY	01	E	10	2	Each	
2435	OFM	elevator	BODY	01	E	11	1	Each	parts elevator
2438	OFM	robot	BODY	01	E	10	1	Each	L 040 RI
2439	OFM	robot	BODY	01	E	10	1	Each	L 040 RI
2440	OFM	robot	BODY	01	E	10	1	Each	L 040 R3
2442	OFM	drum feeder	BODY	01	E	10	4	Each	
2444	OFM	drum feeder	BODY	01	E	9	2	Each	adhesive
2446	OFM	robot	BODY	01	E	9	1	Each	L 050 RI
2448	OFM	gear box	BODY	01	E	9	1	Each	
2449	OFM	oil reservoir	BODY	01	E	8	1	Each	50 gal Chain lubricator
2450	OFM	robot	BODY	01	E	7	1	Each	L 090 RI
2451	OFM	robot	BODY	01	E	7	1	Each	L 090 R3
2452	OFM	robot	BODY	01	E	6	1	Each	L 090 R5
2453	OFM	robot	BODY	01	E	6	1	Each	L 090 R7
2456	OFM	drum feeder	BODY	01	D	6	1	Each	
2462	OFM	robot	BODY	01	C	6	1	Each	L 140 RI
2463	OFM	robot	BODY	01	C	6	1	Each	L 140 R3
2464	OFM	robot	BODY	01	C	6	1	Each	L 170 RI
2465	OFM	robot	BODY	01	C	6	1	Each	L 170 R3
2466	OFM	robot	BODY	01	C	6	1	Each	L 170 R5
2467	OFM	robot	BODY	01	B	6	1	Each	L 170 R7
2471	OFM	lift	BODY	01	A	5	1	Each	parts elevator
2472	OFM	gear box	BODY	01	A	5	4	Each	on parts elevator
2475	OFM	hydraulic pump	BODY	01	C	8	2	Each	50 gal loose on floor
2485	OFM	elevator	BODY	01	F	7	1	Each	parts elevator
2486	OFM	gear box	BODY	01	F	7	4	Each	on parts elevator
2488	OFM	elevator	BODY	01	F	6	1	Each	Verify if hydraulic or mechanical

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ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2489	OFM	Bridgeport	BODY	01	F	5	1	Each	oil reservoir
2493	OFM	gear box	BODY	01	G	7	6	Each	
2495	OFM	gear box	BODY	01	G	6	6	Each	
2497	OFM	robot	BODY	01	G	6	1	Each	D 120 R2
2498	OFM	robot	BODY	01	G	6	1	Each	D 110 R4
2499	OFM	robot	BODY	01	D	6	1	Each	D 110 R2
2501	OFM	gear box	BODY	01	G	5	4	Each	
2505	OFM	robot	BODY	01	G	5	1	Each	D 090 R2
2506	OFM	robot	BODY	01	G	4	1	Each	D 080 R4
2507	OFM	robot	BODY	01	G	4	1	Each	D 080 R2
2509	OFM	gear box	BODY	01	G	4	6	Each	
2510	OFM	robot	BODY	01	G	4	1	Each	D 070 R4
2511	OFM	gear box	BODY	01	G	3	4	Each	on Station 070
2513	OFM	gear box	BODY	01	G	3	4	Each	
2514	OFM	robot	BODY	01	G	3	1	Each	D 070 R2
2515	OFM	gear box	BODY	01	G	2	2	Each	on Station 090
2517	OFM	robot	BODY	01	G	2	1	Each	D 060 R4
2518	OFM	pail feeder	BODY	01	G	2	2	Each	
2520	OFM	robot	BODY	01	G	2	1	Each	D 060 R2
2521	OFM	robot	BODY	01	G	2	1	Each	D 040 R6
2524	OFM	robot	BODY	01	G	2	1	Each	D 040 R8
2525	OFM	drum feeder	BODY	01	G	2	1	Each	Uniseal
2533	OFM	drum feeder	BODY	01	E	2	2	Each	Uniseal
2534	OFM	robot	BODY	01	E	2	1	Each	D 040 R4
2535	OFM	robot	BODY	01	E	2	1	Each	D 040 R2
2537	OFM	lift	BODY	01	E	2	1	Each	parts elevator
2538	OFM	gear box	BODY	01	E	2	4	Each	on parts elevator
2539	OFM	gear box	BODY	01	E	2	1	Each	
2543	OFM	drum feeder	BODY	01	E	1	2	Each	Uniseal
2544	OFM	robot	BODY	01	E	1	1	Each	D 040 R3
2545	OFM	robot	BODY	01	E	1	1	Each	D 040 RI
2547	OFM	cardboard bailer	BODY	01	F	1	3	Each	
2553	OFM	drum feeder	BODY	01	G	1	1	Each	Uniseal
2554	OFM	pail feeder	BODY	01	G	1	3	Each	HZAOO18PH
2556	OFM	hydraulic pump	BODY	01	G	1	4	Each	150 GAL each
2562	OFM	robot	BODY	01	G	2	1	Each	D 060 RI
2563	OFM	robot	BODY	01	G	2	1	Each	D 060 R3
2564	OFM	gear box	BODY	01	G	2	5	Each	
2568	OFM	gear box	BODY	01	G	3	4	Each	
2569	OFM	robot	BODY	01	G	3	1	Each	D 070 RI
2570	OFM	robot	BODY	01	G	3	1	Each	D 070 R3
2571	OFM	gear box	BODY	01	G	4	4	Each	

TABLE 1
ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2572	OFM	robot	BODY	01	G	4	1	Each	D 080 RI
2573	OFM	robot	BODY	01	G	4	1	Each	D 080 R3
2574	OFM	gear box	BODY	01	G	4	1	Each	on Rack
2576	OFM	gear box	BODY	01	G	5	6	Each	on Rack
2577	OFM	robot	BODY	01	G	5	1	Each	D 090 RI
2578	OFM	gear box	BODY	01	G	5	4	Each	
2581	OFM	robot	BODY	01	G	6	1	Each	D 110 RI
2582	OFM	robot	BODY	01	G	6	1	Each	D 110 R3
2583	OFM	gear box	BODY	01	G	6	6	Each	
2584	OFM	robot	BODY	01	G	6	1	Each	D 120 RI
2585	OFM	robot	BODY	01	G	6	1	Each	D 120 R3
2593	OFM	lift	BODY	01	H	9	1	Each	parts elevator
2594	OFM	gear box	BODY	01	H	9	4	Each	on parts elevator
2596	OFM	gear box	BODY	01	H	8	3	Each	
2597	OFM	gear box	BODY	01	H	7	1	Each	
2598	OFM	robot	BODY	01	H	7	1	Each	H 100 R2
2599	OFM	robot	BODY	01	H	7	1	Each	H 090 R4
2600	OFM	gear box	BODY	01	H	7	1	Each	H 090 Rz
2601	OFM	gear box	BODY	01	H	6	6	Each	
2602	OFM	robot	BODY	01	H	6	1	Each	H 085 R4
2603	OFM	robot	BODY	01	H	6	1	Each	H 085 R2
2605	OFM	hydraulic pump	BODY	01	H	6	1	Each	150 galon oil
2606	OFM	robot	BODY	01	H	5	1	Each	H 060 R6
2607	OFM	gear box	BODY	01	H	5	1	Each	T 90383
2608	OFM	gear box	BODY	01	H	5	4	Each	
2609	OFM	robot	BODY	01	H	5	1	Each	H 060 R4
2610	OFM	robot	BODY	01	H	5	1	Each	H 060 R2
2611	OFM	gear box	BODY	01	H	4	4	Each	
2612	OFM	gear box	BODY	01	H	3	4	Each	
2613	OFM	robot	BODY	01	H	3	1	Each	H 030 R4
2614	OFM	gear box	BODY	01	H	2	3	Each	
2615	OFM	drum feeder	BODY	01	H	2	2	Each	Sealer
2616	OFM	gear box	BODY	01	H	2	4	Each	
2619	OFM	gear box	BODY	01	J	1	6	Each	
2620	OFM	gear box	BODY	01	K	1	6	Each	
2622	OFM	gear box	BODY	01	K	2	3	Each	
2632	OFM	robot	BODY	01	K	4	1	Each	C 080 R 4
2633	OFM	robot	BODY	01	K	4	1	Each	C 080 R2
2638	OFM	robot	BODY	01	K	5	1	Each	C 070 R4
2639	OFM	robot	BODY	01	A	5	1	Each	C 070 R2
2643	OFM	oil reservoir	BODY	01	K	6	1	Each	50 gal chain lubricator
2644	OFM	robot	BODY	01	K	6	1	Each	C 60 R2

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2645	OFM	robot	BODY	01	K	6	1	Each	C 050 R4
2647	OFM	robot	BODY	01	K	6	1	Each	C 050 R2
2648	OFM	robot	BODY	01	M	7	1	Each	C 030 R4
2656	OFM	gear box - conveyor drive	BODY	01	L	9	2	Each	
2657	OFM	robot	BODY	01	L	9	1	Each	E 010 LR3
2658	OFM	robot	BODY	01	L	9	1	Each	E 010 LR2
2659	OFM	robot	BODY	01	L	9	1	Each	E 010 LR5
2661	OFM	robot	BODY	01	L	8	1	Each	E 010 LR4
2662	OFM	robot	BODY	01	L	8	1	Each	E 020 LRI
2663	OFM	robot	BODY	01	L	8	1	Each	E 040 LR1
2664	OFM	robot	BODY	01	L	7	1	Each	E 070 LR3
2665	OFM	robot	BODY	01	L	7	1	Each	E 055 LR1
2667	OFM	robot	BODY	01	L	6	1	Each	E 070 LR2
2668	OFM	robot	BODY	01	L	6	1	Each	E 070 LR1
2669	OFM	pail feeder	BODY	01	L	6	4	Each	TEROKAL 4555B
2672	OFM	robot	BODY	01	L	6	1	Each	E 080 LR3
2673	OFM	robot	BODY	01	L	6	1	Each	E 080 LR2
2675	OFM	robot	BODY	01	L	6	1	Each	E 080 LR1
2676	OFM	robot	BODY	01	L	5	1	Each	E 090 LR2
2678	OFM	robot	BODY	01	L	5	1	Each	E 090 LR1
2678	OFM	robot	BODY	01	L	5	1	Each	E 090 LR1
2680	OFM	robot	BODY	01	L	5	1	Each	E 122 LR2
2681	OFM	robot	BODY	01	L	5	1	Each	E 122 LR1
2682	OFM	robot	BODY	01	L	5	1	Each	E 121 LR2
2683	OFM	robot	BODY	01	L	5	1	Each	E 121 LR1
2684	OFM	robot	BODY	01	L	5	1	Each	E 090 LR3
2685	OFM	robot	BODY	01	L	5	1	Each	E 077 ALR1
2686	OFM	gear box	BODY	01	L	5	1	Each	
2687	OFM	gear box	BODY	01	L	6	2	Each	
2690	OFM	robot	BODY	01	L	7	1	Each	E 070 LR4
2694	OFM	gear box	BODY	01	L	8	1	Each	
2697	OFM	robot	BODY	01	M	9	1	Each	E 010 RR1
2698	OFM	robot	BODY	01	M	8	1	Each	E 010 RR4
2699	OFM	robot	BODY	01	M	8	1	Each	E 020 RR1
2700	OFM	robot	BODY	01	M	8	1	Each	E 040 RR1
2701	OFM	robot	BODY	01	M	7	1	Each	E 055 RR1
2702	OFM	robot	BODY	01	L	7	1	Each	E 070 RR3
2703	OFM	robot	BODY	01	M	7	1	Each	E 070 RR2
2704	OFM	robot	BODY	01	M	6	1	Each	E 070 RR1
2707	OFM	robot	BODY	01	M	6	1	Each	E 080 RR3
2708	OFM	robot	BODY	01	M	6	1	Each	E 080 RR2
2709	OFM	robot	BODY	01	M	6	1	Each	E 080 RR1

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TABLE 1
ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2710	OFM	robot	BODY	01	M	6	1	Each	E 090 RR2
2712	OFM	robot	BODY	01	M	5	1	Each	E 090 RR1
2713	OFM	robot	BODY	01	M	5	1	Each	E 110 RR1
2714	OFM	robot	BODY	01	N	5	1	Each	E 122 RR2
2715	OFM	robot	BODY	01	N	5	1	Each	E 122 RN
2716	OFM	robot	BODY	01	N	5	1	Each	E 121 RR2
2717	OFM	robot	BODY	01	N	5	1	Each	E 121 RR1
2718	OFM	robot	BODY	01	N	5	1	Each	E 090 RR3
2720	OFM	robot	BODY	01	N	5	1	Each	E 077 ARR1
2721	OFM	gear box	BODY	01	N	5	1	Each	
2722	OFM	gear box	BODY	01	N	6	2	Each	
2725	OFM	robot	BODY	01	M	6	1	Each	E 070 ARR1
2726	OFM	robot	BODY	01	M	7	1	Each	E 070 RR4
2727	OFM	gear box	BODY	01	N	8	1	Each	
2728	OFM	gear box	BODY	01	N	9	2	Each	
2730	OFM	robot	BODY	01	M	9	1	Each	E 010 RR3
2731	OFM	robot	BODY	01	L	4	1	Each	E 130 LR2
2732	OFM	robot	BODY	01	L	4	1	Each	E 130 LR3
2733	OFM	robot	BODY	01	L	3	1	Each	E 130 LR4
2735	OFM	gear box	BODY	01	L	2	1	Each	
2736	OFM	robot	BODY	01	L	2	1	Each	E 150 LR4
2737	OFM	robot	BODY	01	L	2	1	Each	E 150 LR1
2740	OFM	robot	BODY	01	M	2	1	Each	E 180 LR1
2741	OFM	robot	BODY	01	M	2	1	Each	E 150 LR2
2742	OFM	robot	BODY	01	M	2	1	Each	E 180 RR1
2743	OFM	robot	BODY	01	M	2	1	Each	E 150 RR2
2744	OFM	robot	BODY	01	M	2	1	Each	E 150 LR3
2745	OFM	robot	BODY	01	M	2	1	Each	E 150 RR3
2746	OFM	robot	BODY	01	M	3	1	Each	E 130 LR1
2747	OFM	robot	BODY	01	N	3	1	Each	E 130 RR1
2748	OFM	gear box	BODY	01	M	3	2	Each	
2749	OFM	robot	BODY	01	M	4	1	Each	E 130 RR2
2750	OFM	robot	BODY	01	M	4	1	Each	E 130 RR3
2752	OFM	robot	BODY	01	M	3	1	Each	E 130 RR4
2755	OFM	gear box	BODY	01	N	3	1	Each	
2757	OFM	robot	BODY	01	N	2	1	Each	E 150 RR4
2758	OFM	robot	BODY	01	N	2	1	Each	E 150 RR1
2766	OFM	gear box - over head door	BODY	01	R	12	1	Each	
3252	OFM	hydraulic pump	BODY	01	L	57	1	Each	dock #246
3253	OFM	hydraulic pump	BODY	01	L	57	1	Each	dock #248
3254	OFM	hydraulic pump	BODY	01	L	57	1	Each	dock #249
3255	OFM	hydraulic pump	BODY	01	L	57	1	Each	dock #244

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3936	OFM	gear box	BODY	01	C	52	1	Each	on drill press
3938	OFM	oil reservoir	BODY	01	C	52	1	Each	10 gal grease lubricator
3973	OFM	gear box - conveyor drive	BODY	01	D	59	2	Each	tire conveyor
3979	OFM	gear box	BODY	01	D	60	5	Each	Tire conveyor
3987	OFM	gear box - over head door	BODY	01	C	65	1	Each	
3996	OFM	gear box	BODY	01	B-C	34	25	Each	loose on floor
4001	OFM	oil reservoir	BODY	01	G	36	1	Each	Sport machine lathe
4002	OFM	oil reservoir	BODY	01	G	36	1	Each	Harrison lathe
4003	OFM	oil reservoir	BODY	01	G	36	1	Each	Monarch lathe
4004	OFM	oil reservoir	BODY	01	C	37	1	Each	ROMI lathe
4005	OFM	oil reservoir	BODY	01	C	37	2	Each	Hardinge lathe
4006	OFM	oil reservoir	BODY	01	C	37	1	Each	Cincinnati milling machine
4007	OFM	oil reservoir	BODY	01	C	36	2	Each	Bridgeport milling machine
4008	OFM	oil reservoir	BODY	01	C	36	1	Each	Milwaukee milling machine
4010	OFM	oil reservoir	BODY	01	G	36	1	Each	DoAll
4011	OFM	oil reservoir	BODY	01	G	38	1	Each	Hardinge CNC machine
4013	OFM	oil reservoir	BODY	01	G	38	1	Each	Hardinge lathe
4014	OFM	oil reservoir	BODY	01	G	39	2	Each	Okuma LC20
4028	OFM	gear box - over head door	BODY	01	G	53	1	Each	
4029	OFM	lift	BODY	01	G	52	1	Each	Rotary lift
4062	OFM	lift	BODY	01	K	38	1	Each	JLG
4072	OFM	cardboard bailer	BODY	01	L	57	2	Each	100 gal tank
4073	OFM	cardboard bailer	BODY	01	L	57	2	Each	50 gal tank
4074	OFM	gear box - over head door	BODY	01	L	57	1	Each	dock
4075	OFM	gear box - over head door	BODY	01	L	57	1	Each	dock
4076	OFM	hydraulic pump	BODY	01	L	57	1	Each	dock
4078	OFM	hydraulic pump	BODY	01	L	57	1	Each	dock
4080	OFM	gear box - over head door	BODY	01	N	57	1	Each	dock
4081	OFM	gear box - over head door	BODY	01	N	57	1	Each	dock
4082	OFM	hydraulic pump	BODY	01	N	57	1	Each	dock
4083	OFM	hydraulic pump	BODY	01	N	57	1	Each	dock
4100	OFM	gear box	BODY	01	M	40	1	Each	on floor
4108	OFM	robot	BODY	01	M	36	8	Each	Fanuc robots loose on floor
4121	OFM	robot	BODY	01	P	52	3	Each	loose red robots on floor
4122	OFM	robot	BODY	01	P	52	1	Each	loose on floor
4130	OFM	oil reservoir	BODY	01	N	35	1	Each	50 gal chain lubricator
4131	OFM	oil reservoir	BODY	01	N	35	2	Each	30 gal grease lubricator
4136	OFM	gear box	BODY	01	N	30	8	Each	on floor
4137	OFM	oil reservoir	BODY	01	N	29	2	Each	30 gal chain lubricator
4143	OFM	gear box - conveyor drive	BODY	01	P	24	5	Each	
4157	OFM	gear box	BODY	01	F	24	1	Each	on conveyor
4158	OFM	lift	BODY	01	F	24	1	Each	parts elevator

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4160	OFM	gear box	BODY	01	F	24	2	Each	on parts elevator
4180	OFM	robot	BODY	01	H	25	1	Each	SB 020 RR1
4184	OFM	oil reservoir	BODY	01	H	25	1	Each	50 gal chain lubricator
4186	OFM	robot	BODY	01	H	25	1	Each	SB 010 RR1
4187	OFM	robot	BODY	01	H	25	1	Each	loose on floor
4192	OFM	gear box	BODY	01	G	26	1	Each	
4194	OFM	robot	BODY	01	G	26	1	Each	SA 010 RR1
4197	OFM	robot	BODY	01	G	26	1	Each	SA 020 RR
4198	OFM	robot	BODY	01	G	26	1	Each	SA 010 RR
4220	OFM	gear box	BODY	01	K	30	1	Each	on crate
4253	OFM	robot	BODY	01	H	26	1	Each	ST 180 RR1
4254	OFM	gear box	BODY	01	H	26	1	Each	
4257	OFM	robot	BODY	01	G	27	1	Each	ST 170 RR1
4261	OFM	robot	BODY	01	G	27	1	Each	ST 120 RR1
4262	OFM	robot	BODY	01	G	27	1	Each	ST 110 RR
4263	OFM	robot	BODY	01	G	27	1	Each	ST 130 RR1
4265	OFM	gear box	BODY	01	G	27	1	Each	
4266	OFM	robot	BODY	01	G	27	1	Each	ST 060 RR1
4267	OFM	robot	BODY	01	G	27	1	Each	ST 040 RR1
4268	OFM	robot	BODY	01	G	27	1	Each	ST 025 RR1
4271	OFM	hydraulic pump	BODY	01	G	27	2	Each	200 gal overhead
4272	OFM	gear box	BODY	01	G	27	2	Each	overhead
4273	OFM	gear box	BODY	01	G	27	2	Each	overhead
4274	OFM	oil reservoir	BODY	01	G	27	1	Each	10 gal chain lubricator above
4279	OFM	gear box	BODY	01	G	20	1	Each	
4280	OFM	gear box	BODY	01	G	20	1	Each	SA 010 LR2
4281	OFM	gear box	BODY	01	G	20	1	Each	SA 010 LR1
4282	OFM	robot	BODY	01	G	20	1	Each	SA 020 LR1
4284	OFM	gear box	BODY	01	J	20	1	Each	
4288	OFM	robot	BODY	01	J	20	1	Each	SB 020 LR1
4289	OFM	robot	BODY	01	J	20	1	Each	SB 010 LR1
4291	OFM	robot	BODY	01	J	20	1	Each	SB 010 LR2
4293	OFM	robot	BODY	01	L	21	1	Each	SQ 062 CR1
4294	OFM	robot	BODY	01	L	21	1	Each	SQ 063 CR1
4295	OFM	robot	BODY	01	L	21	1	Each	SQ 030 CR1
4296	OFM	robot	BODY	01	L	21	1	Each	SQ 010 CR1
4297	OFM	robot	BODY	01	L	21	1	Each	SQ 020 LR1
4298	OFM	robot	BODY	01	L	21	1	Each	H 100 RH
4299	OFM	drum feeder	BODY	01	L	21	4	Each	
4302	OFM	gear box	BODY	01	L	21	2	Each	
4305	OFM	robot	BODY	01	L	21	1	Each	SQ 100 CR1
4306	OFM	gear box	BODY	01	L	21	2	Each	overhead

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4307	OFM	hydraulic pump	BODY	01	L	21	2	Each	overhead
4310	OFM	robot	BODY	01	N	21	1	Each	SQ 090 GR1
4311	OFM	robot	BODY	01	N	21	1	Each	SQ 110 GR1
4312	OFM	robot	BODY	01	N	21	1	Each	SQ 080 GR1
4313	OFM	robot	BODY	01	N	21	1	Each	SQ 010 GR1
4314	OFM	robot	BODY	01	N	21	1	Each	BB 040 AR1
4315	OFM	robot	BODY	01	N	21	1	Each	SQ 051 GR1
4316	OFM	robot	BODY	01	N	21	1	Each	SQ 052 GR1
4317	OFM	robot	BODY	01	N	21	1	Each	SQ 053 GR1
4318	OFM	gear box	BODY	01	N	21	2	Each	
4321	OFM	oil reservoir	BODY	01	N	21	4	Each	lubricators
4323	OFM	gear box	BODY	01	N	21	2	Each	overhead
4324	OFM	hydraulic pump	BODY	01	N	21	2	Each	200 gal tanks overhead
4372	OFM	elevator	BODY	01	B	11	1	Each	Hydraulic personnel/equipment elevator
4376	OFM	manlift	BODY	01	P	2	1	Each	Genie
4391	OFM	gear box	BODY	OB		1	1	Each	On filter
4392	OFM	hydraulic pump	BODY	OB		1	1	Each	50 gal oil
4432	OFM	gasoline pump	BODY	OB		1	1	Each	in tunnel
4462	OFM	lift table	BODY	OB	B	19	1	Each	
4478	OFM	gear box	BODY	OB	B	17	6	Each	on floor
4480	OFM	gear box	BODY	OB	B	17	1	Each	on floor
4513	OFM	gear box - over head door	BODY	01	B	1	1	Each	
4515	OFM	welder	BODY	01		0	1	Each	south of olumn line
4522	OFM	pressure washer	BODY	01		0	1	Each	south of 1 column line
4648	OFM	gear box	BODY	01	L	0.9	2	Each	
4649	OFM	robot	BODY	01	L	0.9	1	Each	E 010 LR1
4650	OFM	robot	BODY	01	AB	0.9	1	Each	R 160 P2 R4
4651	OFM	robot	BODY	01	F	0.9	1	Each	D 040 R5
4654	OFM	robot	BODY	01	F	0.9	1	Each	D 040 17
4666	OFM	compactor	BODY	OB		1	1	Each	trash pump in south end of tunnel
4670	OFM	gear box - over head door	BODY	OB		1	2	Each	in tunnel
5505	OFM	oil reservoir	Body	02	A	5	2	Each	air line oilers
5518	OFM	gear box	BODY	02	A	6	1	Each	on pressure washer
5535	OFM	flammable locker	BODY	02	A	8	13	Each	paint
5575	OFM	gear box - conveyor drive	BODY	02	K	6	5	Each	roller conveyor
5576	OFM	gear box	BODY	02	K	7	5	Each	roller conveyor
5577	OFM	gear box	BODY	02	K	8	1	Each	roller conveyor
5589	OFM	gear box	BODY	02	K	9	13	Each	roller conveyor
5590	OFM	gear box	BODY	02	K	11	8	Each	roller conveyor
5591	OFM	gear box	BODY	02	K	10	3	Each	roller conveyor
5592	OFM	gear box	BODY	02	K	12	12	Each	roller conveyor
5593	OFM	gear box	BODY	02	K	13	8	Each	roller conveyor

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5594	OFM	gear box	BODY	02	K	14	5	Each	roller conveyor
5595	OFM	gear box	BODY	02	K	15	5	Each	roller conveyor
5596	OFM	gear box	BODY	02	K	16	3	Each	roller conveyor
5598	OFM	gear box	BODY	02	K	16	3	Each	roller conveyor
5600	OFM	gear box - conveyor drive	BODY	02	K	18	4	Each	roller conveyor
5603	OFM	gear box - conveyor drive	BODY	02	K	19	1	Each	conveyor drive
5604	OFM	lift	BODY	02	K	19	4	Each	parts elevator
5609	OFM	gear box - conveyor drive	BODY	02	K	24	1	Each	roller conveyor
5610	OFM	gear box - conveyor drive	BODY	02	K	25	3	Each	roller conveyor
5615	OFM	gear box - conveyor drive	BODY	02	J	21	3	Each	roller conveyor
5616	OFM	gear box - conveyor drive	BODY	02	J	20	2	Each	roller conveyor
5617	OFM	gear box - conveyor drive	BODY	02	J	19	3	Each	roller conveyor
5618	OFM	gear box - conveyor drive	BODY	02	J	18	10	Each	roller conveyor
5620	OFM	gear box - conveyor drive	BODY	02	J	17	8	Each	roller conveyor
5621	OFM	gear box - conveyor drive	BODY	02	J	16	1	Each	roller conveyor
5624	OFM	gear box - conveyor drive	BODY	02	J	15	4	Each	roller conveyor
5626	OFM	gear box - conveyor drive	BODY	02	J	14	5	Each	roller conveyor
5627	OFM	gear box - conveyor drive	BODY	02	J	13	2	Each	roller conveyor
5630	OFM	gear box - conveyor drive	BODY	02	J	12	7	Each	roller conveyor
5631	OFM	gear box - conveyor drive	BODY	02	J	11	2	Each	roller conveyor
5632	OFM	gear box - conveyor drive	BODY	02	J	9	5	Each	roller conveyor
5634	OFM	gear box - conveyor drive	BODY	02	J	8	3	Each	roller conveyor
5635	OFM	hydraulic pump	BODY	02	J	8	1	Each	50 gal oil
5637	OFM	hydraulic pump	BODY	02	J	7	1	Each	50 gal oil
5638	OFM	gear box - conveyor drive	BODY	02	J	7	6	Each	roller conveyor
5640	OFM	gear box - conveyor drive	BODY	02	J	6	6	Each	roller conveyor
5642	OFM	gear box - conveyor drive	BODY	02	H	13	1	Each	on floor
5643	OFM	gear box - conveyor drive	BODY	02	H	14	1	Each	roller conveyor
5644	OFM	hydraulic pump	BODY	02	J	17	1	Each	50 gal oil
5645	OFM	hydraulic pump	BODY	02	J	16	1	Each	50 gal oil
5654	OFM	gear box - conveyor drive	BODY	02	G	12	2	Each	Conveyor 307 main drive
5655	OFM	gear box - conveyor drive	BODY	02	K	21	2	Each	roller conveyor
5656	OFM	oil reservoir	BODY	02	G	12	2	Each	Conveyor 304 chain lubricator
5659	OFM	oil reservoir	BODY	02	G	12	2	Each	Conveyor 307 - 30 gal grease lubricator
5660	OFM	gear box	BODY	02	G	10	1	Each	loose on floor
5661	OFM	gear box	BODY	02	H	8	1	Each	press brake
5662	OFM	band saw	BODY	02	H	8	1	Each	
5664	OFM	shear	BODY	02	H	6	1	Each	Cincinnati
5665	OFM	shear	BODY	02	H	6	1	Each	HTF
5667	OFM	generator	BODY	02	G	6	1	Each	
5682	OFM	gear box - conveyor drive	BODY	02	G	4	2	Each	Conveyor 325 - in mez
5683	OFM	oil reservoir	BODY	02	G	4	1	Each	Conveyor 325 1 qt grease lubricator in mez

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5684	OFM	gear box - conveyor drive	BODY	02	D	4	2	Each	Conveyor 329 in mez
5698	OFM	robot	BODY	01	E	13	1	Each	BA 050 R1
5699	OFM	robot	BODY	01	G	10	1	Each	G150 R1
5701	OFM	robot	BODY	2742	H	18	1	Each	AC 010 R5
5703	OFM	robot	BODY	01	H	16	1	Each	AB 010 R1
5704	OFM	robot	BODY	01	G	15	1	Each	AE 030 R1
5705	OFM	robot	BODY	01	B	1	1	Each	M 070 R2
5706	OFM	robot	BODY	01	B	7	1	Each	KL 120 LR1
5707	OFM	robot	BODY	1	OFM	F1			KR 040 RR1
5708	OFM	robot	BODY	01	B	9	1	Each	K 040 RR1
5710	OFM	robot	BODY	01	K	18	1	Each	BB 020 R3
5711	OFM	robot	BODY	01	K	11	1	Each	F 020 R1
5712	OFM	gear box - over head door	BODY	OM	L	8	1	Each	Conveyor 11B
5715	OFM	gear box - conveyor drive	BODY	OM	F	10	2	Each	Conveyor 17
5716	OFM	gear box - conveyor drive	BODY	01	H	6	2	Each	Conveyor 12A
5717	OFM	gear box - conveyor drive	BODY	02	C	16	2	Each	Conveyor 300
5718	OFM	gear box - conveyor drive	BODY	2				Each	Conveyor 304
5722	OFM	lift	BODY	01	F	14	1	Each	parts elevator
5723	OFM	lift	BODY	01	J	16	1	Each	parts elevator
5729	OFM	gear box - conveyor drive	BODY	03	H	1	2	Each	Conveyor 186
5730	OFM	oil reservoir	BODY	03	H	1	2	Each	Conveyor 186 chain lubricators
5744	OFM	oil reservoir	BODY	03	P	12	1	Each	5 gal grease chain lubricator
5747	OFM	oil reservoir	BODY	03	P	12	1	Each	Conveyor chain lubricator
5750	OFM	gear box	BODY	03	P	23	2	Each	Conveyor 183
5751	OFM	oil reservoir	BODY	03	P	23	2	Each	5 gal grease lubricator
5752	OFM	oil reservoir	BODY	03	P	23	2	Each	30 gal grease lubricator
5761	OFM	gear box	BODY	03	G	36	8	Each	loose on floor
5771	OFM	oil reservoir	BODY	03	D	31	1	Each	50 gal grease lubricator
5773	OFM	gear box - conveyor drive	BODY	03	D2	31	2	Each	Conveyor 721
5774	OFM	oil reservoir	BODY	03	D	31	2	Each	Trabon grease lubricator
5775	OFM	oil reservoir	BODY	03	D	31	2	Each	Conveyor chain lubricator
5776	OFM	oil reservoir	BODY	03	D	31	1	Each	conveyor grease lubricator
5780	OFM	gear box - conveyor drive	BODY	03	E	21	2	Each	Conveyor 301
5782	OFM	oil reservoir	BODY	03	E	21	2	Each	chain oil lubricator
5783	OFM	oil reservoir	BODY	03	E	21	1	Each	Conveyor grease lubricator
5784	OFM	oil reservoir	BODY	03	E	21	2	Each	Trabon grease lubricator
5785	OFM	gear box - conveyor drive	BODY	03	E	20	1	Each	Conveyor 244
5786	OFM	oil reservoir	BODY	03	E	21	1	Each	Chain oil lubricator
5862	OFM	robot	BODY	01	E	12	1	Each	BA 050 R2
5863	OFM	robot	BODY	01	E	12	1	Each	BA 045 R1
5864	OFM	robot	BODY	01	E	12	1	Each	BA 045 R2
5866	OFM	robot	BODY	01	E	13	1	Each	BA 040 R1

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5867	OFM	robot	BODY	01	E	13	1	Each	BA 010 R2
5868	OFM	robot	BODY	01	E	13	1	Each	BA 005 R1
5869	OFM	robot	BODY	01	E	13	1	Each	BA 010 R1
5870	OFM	robot	BODY	01	E	14	1	Each	BA 030 R1
5871	OFM	robot	BODY	01	E	14	1	Each	BA 045 R1
5872	OFM	robot	BODY	01	E	14	1	Each	BA 050 AR1
5873	OFM	robot	BODY	01	E	14	1	Each	BA 080 R2
5874	OFM	robot	BODY	01	G	12	1	Each	BA 100 R1
5875	OFM	robot	BODY	01	G	12	1	Each	BA 120 AR1
5876	OFM	robot	BODY	01	G	12	1	Each	BA 080 AR1
5877	OFM	robot	BODY	01	G	12	1	Each	B1 160 AR1
5878	OFM	robot	BODY	01	G	12	1	Each	BA 160 R1
5879	OFM	robot	BODY	01	G	12	1	Each	BA 170 R1
5880	OFM	robot	BODY	01	G	12	1	Each	BA 190 R1
5881	OFM	robot	BODY	01	G	12	1	Each	BA 170 R2
5882	OFM	robot	BODY	01	H	12	1	Each	BA 170 R3
5883	OFM	robot	BODY	01	H	12	1	Each	BA 140 R1
5884	OFM	robot	BODY	01	H	12	1	Each	BA 120 R1
5885	OFM	robot	BODY	01	H	12	1	Each	BA 080 R1
5886	OFM	robot	BODY	01	H	12	1	Each	BA 060 R1
5887	OFM	robot	BODY	01	F	10	1	Each	G 100 R3
5888	OFM	robot	BODY	01	F	10	1	Each	G 100 R2
5889	OFM	robot	BODY	01	F	10	1	Each	G 150 R2
5890	OFM	robot	BODY	01	F	10	1	Each	G 150 R4
5891	OFM	robot	BODY	01	F	10	1	Each	G 150 R3
5892	OFM	robot	BODY	01	F	10	1	Each	G 130 R1
5893	OFM	robot	BODY	01	G	10	1	Each	G 110 R1
5894	OFM	robot	BODY	01	G	10	1	Each	G 110 R2
5895	OFM	robot	BODY	01	G	10	1	Each	G 100 R1
5896	OFM	robot	BODY	01	G	10	1	Each	G 100 R5
5897	OFM	robot	BODY	01	G	10	1	Each	G 100 R4
5898	OFM	robot	BODY	01	G	9	1	Each	G 050 R3
5899	OFM	robot	BODY	01	G	9	1	Each	G 050 R2
5900	OFM	robot	BODY	01	G	9	1	Each	G 040 R1
5901	OFM	robot	BODY	01	F	9	1	Each	G 010 R1
5902	OFM	robot	BODY	01	F	9	1	Each	G 020 R1
5903	OFM	robot	BODY	01	F	9	1	Each	G 050 R1
5904	OFM	robot	BODY	01	F	9	1	Each	G 070 R2
5905	OFM	robot	BODY	01	F	9	1	Each	G 070 R1
5906	OFM	robot	BODY	01	AB	2	1	Each	R 020 R3
5907	OFM	robot	BODY	01	AB	2	1	Each	R 020 R1
5908	OFM	robot	BODY	01	AB	2	1	Each	M 130 RS

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5909	OFM	robot	BODY	01	AB	2	1	Each	M 130 R3
5910	OFM	robot	BODY	01	AB	2	1	Each	M 130 R1
5911	OFM	robot	BODY	01	AB	2	1	Each	M 110 R1
5912	OFM	robot	BODY	01	AA	2	1	Each	M 100 R3
5913	OFM	robot	BODY	01	AA	2	1	Each	M 100 R1
5914	OFM	robot	BODY	01	AA	2	1	Each	M 130 R6
5915	OFM	robot	BODY	01	AA	2	1	Each	M 130 R4
5916	OFM	robot	BODY	01	AA	2	1	Each	M 130 R2
5917	OFM	robot	BODY	01	AA	2	1	Each	M 110 R4
5918	OFM	robot	BODY	01	AA	2	1	Each	M 110 R2
5919	OFM	robot	BODY	01	AA	2	1	Each	M 100 R4
5920	OFM	robot	BODY	01	AA	2	1	Each	M 100 R2
5921	OFM	robot	BODY	01	B	1	1	Each	M 030 R2
5922	OFM	robot	BODY	01	B	1	1	Each	M 030 R4
5923	OFM	robot	BODY	01	B	1	1	Each	2SA 010 LR2
5924	OFM	robot	BODY	01	B	1	1	Each	M 070 R4
5925	OFM	robot	BODY	01	B	1	1	Each	M 070 R6
5926	OFM	robot	BODY	01	C	1	1	Each	M 030 R1
5927	OFM	robot	BODY	01	C	1	1	Each	M 030 R3
5928	OFM	robot	BODY	01	C	1	1	Each	M 050 R1
5929	OFM	robot	BODY	01	C	1	1	Each	M 043 R1
5930	OFM	robot	BODY	01	C	1	1	Each	M 070 R3
5931	OFM	robot	BODY	01	C	1	1	Each	M 070 R3
5932	OFM	robot	BODY	01	C	1	1	Each	M 070 R7
5933	OFM	robot	BODY	01	AB	9	1	Each	R 160 P1 R4
5934	OFM	robot	BODY	01	AB	9	1	Each	R 160 P1 R2
5935	OFM	robot	BODY	01	AB	9	1	Each	R 150 P1 R4
5936	OFM	robot	BODY	01	AB	9	1	Each	R 150 P1 R2
5937	OFM	robot	BODY	01	AC	7	1	Each	R 130 P1 R4
5938	OFM	robot	BODY	01	AC	7	1	Each	R 130 P1 R2
5939	OFM	robot	BODY	01	AC	7	1	Each	R 120 P1 R4
5940	OFM	robot	BODY	01	AC	7	1	Each	R 120 P1 R2
5941	OFM	robot	BODY	01	AB	6	1	Each	R 100 P1 R4
5942	OFM	robot	BODY	01	AB	6	1	Each	R 100 P1 R2
5943	OFM	robot	BODY	01	AB	6	1	Each	R 040 P1 R4
5944	OFM	robot	BODY	01	AB	6	1	Each	R 090 P1 R2
5945	OFM	robot	BODY	01	AB	4	1	Each	R 070 P1 R4
5946	OFM	robot	BODY	01	AB	4	1	Each	R 070 P1 R2
5947	OFM	robot	BODY	01	AB	4	1	Each	R 060 P1 R4
5948	OFM	robot	BODY	01	AB	4	1	Each	R 060 P1 R2
5949	OFM	robot	BODY	01	AB	3	1	Each	R 050 P1 R4
5950	OFM	robot	BODY	01	AB	3	1	Each	R 050 P1 R2

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TABLE 1
ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5951	OFM	robot	BODY	01	AB	3	1	Each	R 040 P1 R4
5952	OFM	robot	BODY	01	AB	3	1	Each	R 040 P1 R2
5953	OFM	robot	BODY	01	AB	2	1	Each	R 020 R4
5954	OFM	robot	BODY	01	AB	2	1	Each	R 020 R2
5955	OFM	robot	BODY	01	B	7	1	Each	KA 030 R1
5956	OFM	robot	BODY	01	B	7	1	Each	KA 010 R1
5957	OFM	robot	BODY	01	B	7	1	Each	K 020 R1
5958	OFM	robot	BODY	01	B	7	1	Each	K 040 R1
5959	OFM	robot	BODY	01	B	7	1	Each	K 080 R1
5960	OFM	robot	BODY	01	B	7	1	Each	K 100 R1
5961	OFM	robot	BODY	01	B	7	1	Each	KC 010 R1
5962	OFM	robot	BODY	01	B	7	1	Each	KB 010 LR1
5963	OFM	robot	BODY	01	B	9	1	Each	K 020 RR1
5964	OFM	robot	BODY	01	B	9	1	Each	KA 010 RR1
5965	OFM	robot	BODY	01	B	9	1	Each	KA 030 RR1
5966	OFM	robot	BODY	01	B	9	1	Each	KC 010 RR1
5967	OFM	robot	BODY	01	B	9	1	Each	K 120 RR1
5968	OFM	robot	BODY	01	B	9	1	Each	K 100 RR1
5969	OFM	robot	BODY	01	B	9	1	Each	K 080 RR1
5970	OFM	R4	BODY	01	B	9	1	Each	K 060 RR1
5971	OFM	gear box - conveyor drive	BODY	01	AC	3	3	Each	roller conveyor
5980	OFM	gear box - conveyor drive	BODY	01	AC-A	2	12	Each	roller conveyor
5982	OFM	gear box - conveyor drive	BODY	01	A-E	1	15	Each	roller conveyor
5992	OFM	elevator	BODY	01	D	2	4	Each	
5995	OFM	gear box - conveyor drive	BODY	01	G	12	8	Each	roller conveyor
6003	OFM	gear box - conveyor drive	BODY	01	G	10	2	Each	roller conveyor
6011	OFM	gear box - conveyor drive	BODY	01	G	9	5	Each	roller conveyor
6020	OFM	oil reservoir	BODY	01	B	13	1	Each	Tire press
6029	OFM	pressure washer	BODY	01	AA	12	1	Each	
6033	OFM	lift	BODY	01	AA	12	1	Each	hydraulics on car lift
6047	OFM	gear box - conveyor drive	BODY	01	B-E	4	14	Each	roller conveyor
6048	OFM	gear box - conveyor drive	BODY	01	D	4	4	Each	roller conveyor
6049	OFM	oil reservoir	BODY	01	D	4	1	Each	chain lubricator for elevator
6056	OFM	gear box - over head door	BODY	01	AB	13	4	Each	
6057	OFM	hydraulic pump	BODY	01	AB	13	4	Each	dock leveler
6058	OFM	gear box - conveyor drive	BODY	01	AB	1-11	43	Each	
6069	OFM	gear box - conveyor drive	BODY	01	B	7	3	Each	roller conveyor
6073	OFM	gear box - conveyor drive	BODY	01	B	9	3	Each	roller conveyor
6078	OFM	robot	BODY	01	H	10	1	Each	G 160 R3
6079	OFM	robot	BODY	01	H	10	1	Each	G 160 R2
6080	OFM	robot	BODY	01	H	10	1	Each	G 160 R1
6081	OFM	robot	BODY	01	H	10	1	Each	G 180 R2

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ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6082	OFM	robot	BODY	01	H	10	1	Each	G 180 R3
6083	OFM	robot	BODY	01	H	10	1	Each	G 180 R1
6084	OFM	robot	BODY	01	H	10	1	Each	G 020 R1
6085	OFM	robot	BODY	01	H	10	1	Each	G 190 R1
6086	OFM	robot	BODY	01	H	10	1	Each	G 200 R2
6087	OFM	robot	BODY	01	H	10	1	Each	G 200 R3
6088	OFM	robot	BODY	01	H	10	1	Each	G 230 R1
6089	OFM	robot	BODY	01	H	10	1	Each	G 220 R1
6090	OFM	robot	BODY	01	H	10	1	Each	G 220 R2
6091	OFM	robot	BODY	01	H	10	1	Each	G 220 R3
6092	OFM	robot	BODY	01	F	14	1	Each	A 030 R2
6093	OFM	robot	BODY	01	F	14	1	Each	A 040 R2
6094	OFM	robot	BODY	01	F	14	1	Each	A 040 R4
6095	OFM	robot	BODY	01	F	14	1	Each	A 050 R2
6096	OFM	robot	BODY	01	F	14	1	Each	A 070 R4
6097	OFM	robot	BODY	01	F	14	1	Each	A 080 R2
6098	OFM	robot	BODY	01	F	16	1	Each	A 080 R4
6099	OFM	robot	BODY	01	F	16	1	Each	A 110 R2
6100	OFM	robot	BODY	01	F	16	1	Each	A 110 R4
6101	OFM	robot	BODY	01	F	16	1	Each	A 130 R2
6102	OFM	robot	BODY	01	F	16	1	Each	A 130 R4
6103	OFM	robot	BODY	01	F	16	1	Each	A 145 R2
6104	OFM	robot	BODY	01	G	16	1	Each	A 150 R2
6105	OFM	robot	BODY	01	G	16	1	Each	A 150 R4
6106	OFM	robot	BODY	01	G	16	1	Each	A 170 R3
6107	OFM	robot	BODY	01	G	16	1	Each	A 170 R4
6108	OFM	robot	BODY	01	G	16	1	Each	A 200 R2
6109	OFM	robot	BODY	01	G	16	1	Each	A 200 R4
6110	OFM	robot	BODY	01	G	16	1	Each	A 220 R2
6111	OFM	robot	BODY	01	G	16	1	Each	A 220 R4
6112	OFM	robot	BODY	01	G	16	1	Each	A 230 R2
6113	OFM	robot	BODY	01	H	16	1	Each	AB 010 R3
6114	OFM	robot	BODY	01	H	16	1	Each	AB 010 R2
6115	OFM	robot	BODY	01	G	15	1	Each	AE 010 R2
6116	OFM	robot	BODY	01	G	15	1	Each	AE 010 R1
6117	OFM	robot	BODY	01	G	15	1	Each	AB 030 R2
6118	OFM	robot	BODY	01	G	15	1	Each	AE 050 R1
6119	OFM	robot	BODY	01	G	15	1	Each	AE 070 R1
6120	OFM	robot	BODY	01	G	18	1	Each	AD 010 R2
6121	OFM	robot	BODY	01	G	18	1	Each	AD 010 R1
6122	OFM	robot	BODY	01	G	18	1	Each	AD 030 R1
6123	OFM	robot	BODY	01	H	18	1	Each	AC 040 R3

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6124	OFM	robot	BODY	01	H	18	1	Each	AC 040 R1
6125	OFM	robot	BODY	01	H	18	1	Each	AC 010 R4
6126	OFM	robot	BODY	01	H	18	1	Each	AC 010 R3
6127	OFM	robot	BODY	01	H	18	1	Each	AC 010 R2
6128	OFM	robot	BODY	01	H	18	1	Each	AC 010 R1
6129	OFM	robot	BODY	01	H	18	1	Each	AC 025 R1
6130	OFM	robot	BODY	01	H	18	1	Each	AC 040 R2
6139	OFM	gear box	BODY	01	J	14	4	Each	on parts elevator
6140	OFM	lift	BODY	01	J	14	1	Each	parts elevator
6154	OFM	gear box - conveyor drive	BODY	01	H	18	2	Each	roller conveyor
6175	OFM	gear box - conveyor drive	BODY	01	E	18	4	Each	roller conveyor
6176	OFM	robot	BODY	01	F	18	1	Each	AA 060 R1
6177	OFM	robot	BODY	01	F	18	1	Each	AA 070 R2
6178	OFM	robot	BODY	01	F	18	1	Each	AA 070 R1
6179	OFM	robot	BODY	01	F	18	1	Each	AA 080 R4
6180	OFM	robot	BODY	01	F	18	1	Each	AA 080 R3
6181	OFM	robot	BODY	01	F	18	1	Each	AA 080 R2
6182	OFM	robot	BODY	01	E	16	1	Each	AA 100 R1
6183	OFM	robot	BODY	01	E	16	1	Each	AA 080 R1
6184	OFM	robot	BODY	01	E	16	1	Each	AA 080 R5
6185	OFM	robot	BODY	01	E	16	1	Each	AA 070 R3
6186	OFM	robot	BODY	01	E	16	1	Each	AA 060 R3
6187	OFM	robot	BODY	01	E	16	1	Each	AA 010 R1
6188	OFM	robot	BODY	01	E	18	1	Each	AA 025 R1
6189	OFM	robot	BODY	01	E	18	1	Each	AA 040 R1
6190	OFM	robot	BODY	01	E	18	1	Each	AA 060 R2
6191	OFM	robot	BODY	01	E	18	1	Each	AA 050 R1
6192	OFM	robot	BODY	01	L	15	1	Each	BB 080 R3
6193	OFM	robot	BODY	01	L	15	1	Each	BB 080 R2
6194	OFM	robot	BODY	01	L	15	1	Each	BB 130 R2
6195	OFM	robot	BODY	01	L	15	1	Each	BB 130 R3
6196	OFM	robot	BODY	01	L	15	1	Each	BB 120 R1
6197	OFM	robot	BODY	01	L	15	1	Each	BB 100 R1
6198	OFM	robot	BODY	01	L	15	1	Each	BB 100 R4
6199	OFM	robot	BODY	01	L	14	1	Each	BB 140 R3
6200	OFM	robot	BODY	01	L	14	1	Each	BB 130 R1
6201	OFM	robot	BODY	01	K	14	1	Each	BB 100 R3
6202	OFM	robot	BODY	01	K	14	1	Each	BB 100 R2
6203	OFM	robot	BODY	01	K	14	1	Each	BB 095 R4
6204	OFM	robot	BODY	01	N	18	1	Each	BD 090 P1 R5
6205	OFM	robot	BODY	01	N	18	1	Each	BD 090 P1 R1
6206	OFM	robot	BODY	01	N	18	1	Each	BD 090 P1 R4

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TABLE 1
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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6207	OFM	robot	BODY	01	N	18	1	Each	BD 080 P1 R1
6208	OFM	robot	BODY	01	N	17	1	Each	BD 080 P1 R4
6209	OFM	robot	BODY	01	N	17	1	Each	BD 080 P1 R3
6210	OFM	robot	BODY	01	N	17	1	Each	BD 070 P1 R1
6211	OFM	robot	BODY	01	N	17	1	Each	BD 080 P1 R2
6212	OFM	robot	BODY	01	N	17	1	Each	BD 060 R1
6213	OFM	robot	BODY	01	N	17	1	Each	BD 060 R3
6214	OFM	robot	BODY	01	N	16	1	Each	SP 120 R1 RT2
6215	OFM	robot	BODY	01	N	16	1	Each	BD 022 R1
6216	OFM	robot	BODY	01	M	18	1	Each	BD 090 P2 R1
6217	OFM	robot	BODY	01	M	18	1	Each	BD 090 P2 R4
6218	OFM	robot	BODY	01	M	18	1	Each	BD 090 P2 R5
6219	OFM	robot	BODY	01	M	18	1	Each	BD 080 P2 R1
6220	OFM	robot	BODY	01	M	17	1	Each	BD 080 P2 R4
6221	OFM	robot	BODY	01	M	17	1	Each	BD 080 P2 R3
6222	OFM	robot	BODY	01	M	17	1	Each	BD 080 P2 R2
6223	OFM	robot	BODY	01	M	17	1	Each	BD 070 P2 R1
6224	OFM	robot	BODY	01	M	17	1	Each	BD 060 R2
6225	OFM	robot	BODY	01	M	17	1	Each	BD 060 R1
6226	OFM	robot	BODY	01	M	16	1	Each	BE 050 R1
6227	OFM	robot	BODY	01	M	16	1	Each	BD 040 R1
6228	OFM	robot	BODY	01	M	16	1	Each	BD 030 R2
6229	OFM	robot	BODY	01	M	16	1	Each	BD 030 R1
6230	OFM	robot	BODY	01	M	16	1	Each	BD 020 R1
6231	OFM	robot	BODY	01	M	16	1	Each	BD 00 R3
6235	OFM	gear box	BODY	01	L	14	3	Each	stud gun
6238	OFM	gear box - conveyor drive	BODY	01	N	17	1	Each	
6249	OFM	oil reservoir	BODY	01	J	14	1	Each	conveyor chain lubricator
6250	OFM	oil reservoir	BODY	01	H	13	2	Each	conveyor chain lubricators on cart
6262	OFM	robot	BODY	01	K	16	1	Each	BB 090 R1
6263	OFM	robot	BODY	01	K	16	1	Each	BB 080 R1
6264	OFM	robot	BODY	01	K	16	1	Each	BB 080 R5
6265	OFM	robot	BODY	01	K	16	1	Each	BB 080 R4
6266	OFM	robot	BODY	01	K	16	1	Each	BB 075 R3
6267	OFM	robot	BODY	01	K	16	1	Each	BB 070 R3
6268	OFM	robot	BODY	01	K	16	1	Each	BB 070 R1
6269	OFM	robot	BODY	01	K	16	1	Each	BB 070 CR1
6270	OFM	robot	BODY	01	K	16	1	Each	BB 070 AR1
6271	OFM	robot	BODY	01	K	17	1	Each	BB 050 R3
6272	OFM	robot	BODY	01	K	17	1	Each	BB 050 CR1
6273	OFM	robot	BODY	01	K	17	1	Each	BB 050 AR1
6274	OFM	robot	BODY	01	K	18	1	Each	BB 040 R4

TABLE 1
ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6275	OFM	robot	BODY	01	K	18	1	Each	BB 040 R3
6276	OFM	robot	BODY	01	K	18	1	Each	BB 020 R2
6277	OFM	robot	BODY	01	K	18	1	Each	BB 020 R2
6278	OFM	robot	BODY	01	L	19	1	Each	BB 070 R1
6279	OFM	robot	BODY	01	L	19	1	Each	BB 010 R1
6280	OFM	robot	BODY	01	L	19	1	Each	BB 010 BR1
6281	OFM	robot	BODY	01	L	19	1	Each	BB 010 R3
6282	OFM	robot	BODY	01	L	17	1	Each	BB 005 R1
6283	OFM	robot	BODY	01	L	17	1	Each	BB 020 R1
6284	OFM	robot	BODY	01	L	17	1	Each	BB 040 R1
6285	OFM	robot	BODY	01	L	17	1	Each	BB 040 R2
6286	OFM	robot	BODY	01	L	17	1	Each	BB 045 R4
6287	OFM	robot	BODY	01	L	17	1	Each	BB 045 R2
6288	OFM	robot	BODY	01	L	17	1	Each	BB 045 R3
6289	OFM	robot	BODY	01	L	17	1	Each	BB 050 R2
6290	OFM	robot	BODY	01	L	16	1	Each	BB 045 R1
6291	OFM	robot	BODY	01	L	16	1	Each	BB 050 R1
6292	OFM	robot	BODY	01	L	16	1	Each	BB 075 R2
6293	OFM	robot	BODY	01	L	16	1	Each	BB 070 R2
6294	OFM	robot	BODY	01	L	16	1	Each	BB 060 R1
6295	OFM	robot	BODY	01	L	16	1	Each	BB 075 R1
6296	OFM	robot	BODY	01	M	15	1	Each	BE 010 R1
6297	OFM	robot	BODY	01	M	15	1	Each	BE 010 R2
6298	OFM	robot	BODY	01	M	15	1	Each	BE 010 AR1
6299	OFM	robot	BODY	01	M	15	1	Each	T99675
6300	OFM	robot	BODY	01	M	15	1	Each	BD 010 R1
6301	OFM	robot	BODY	01	M	15	1	Each	BE 010 R1
6302	OFM	robot	BODY	01	M	15	1	Each	BD 010 P1 R1
6303	OFM	robot	BODY	01	M	13	1	Each	bf 030 R2
6304	OFM	robot	BODY	01	M	13	1	Each	BF 030 R1
6305	OFM	robot	BODY	01	M	13	1	Each	BF 030 R3
6306	OFM	robot	BODY	01	M	13	1	Each	BC 015 R1
6307	OFM	robot	BODY	01	M	13	1	Each	BD 020 R2
6308	OFM	robot	BODY	01	L	10	1	Each	FB 015 R1
6309	OFM	robot	BODY	01	K	10	1	Each	F 030 R1
6310	OFM	robot	BODY	01	K	10	1	Each	FB 005 R1
6311	OFM	robot	BODY	01	K	10	1	Each	F 014 LR1
6312	OFM	robot	BODY	01	K	11	1	Each	F 025 LR1
6313	OFM	robot	BODY	01	K	11	1	Each	FC 015 LR1
6314	OFM	robot	BODY	01	K	11	1	Each	FA 020 LR1
6315	OFM	robot	BODY	01	K	11	1	Each	F 040 LR1
6316	OFM	robot	BODY	01	K	11	1	Each	F 050 LR1

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6317	OFM	robot	BODY	01	M	12	1	Each	BC 060 R2
6318	OFM	robot	BODY	01	M	12	1	Each	BC 050 R3
6319	OFM	robot	BODY	01	M	12	1	Each	BC 030 R2
6320	OFM	robot	BODY	01	M	12	1	Each	BC 020 R1
6321	OFM	robot	BODY	01	M	12	1	Each	BC 010 R1
6322	OFM	robot	BODY	01	M	12	1	Each	BC 005 R2
6323	OFM	robot	BODY	01	N	12	1	Each	BC 005 R3
6324	OFM	robot	BODY	01	N	12	1	Each	BC 005 R1
6325	OFM	robot	BODY	01	N	12	1	Each	BC 010 R2
6326	OFM	robot	BODY	01	N	12	1	Each	BC 010 R3
6327	OFM	robot	BODY	01	L	13	1	Each	BC 080 R2
6328	OFM	robot	BODY	01	L	13	1	Each	BC 070 R2
6329	OFM	robot	BODY	01	J	12	1	Each	BC 120 P2 R2
6330	OFM	robot	BODY	01	J	12	1	Each	BC 120 P2 R2
6331	OFM	robot	BODY	01	J	12	1	Each	BC 120 P2 R1
6332	OFM	robot	BODY	01	J	12	1	Each	BC 120 P2R4
6333	OFM	robot	BODY	01	J	12	1	Each	BC 110 P2 R1
6334	OFM	robot	BODY	01	L	13	1	Each	BC 040 R1
6335	OFM	robot	BODY	01	L	13	1	Each	BC 050 R3
6336	OFM	robot	BODY	01	L	13	1	Each	BC 050 R1
6337	OFM	robot	BODY	01	L	13	1	Each	BC 060 R3
6338	OFM	robot	BODY	01	M	13	1	Each	BC 030 R3
6339	OFM	robot	BODY	01	M	13	1	Each	BC 030 R4
6340	OFM	robot	BODY	01	M	13	1	Each	BC 030 R1
6341	OFM	robot	BODY	01	K	14	1	Each	BC 060 R1
6342	OFM	robot	BODY	01	K	14	1	Each	BC 070 R1
6343	OFM	robot	BODY	01	K	14	1	Each	BC 070 R3
6344	OFM	robot	BODY	01	K	14	1	Each	BC 080 R3
6345	OFM	robot	BODY	01	K	14	1	Each	BC 080 R1
6346	OFM	robot	BODY	01	J	13	1	Each	BC 090 R3
6347	OFM	robot	BODY	01	J	13	1	Each	BC 090 R3
6348	OFM	robot	BODY	01	J	13	1	Each	BC 090 R1
6349	OFM	robot	BODY	01	J	13	1	Each	BC 100 R3
6350	OFM	robot	BODY	01	J	13	1	Each	BC 100 R2
6351	OFM	robot	BODY	01	J	13	1	Each	BC 100 R1
6352	OFM	robot	BODY	01	J	13	1	Each	BC 110 P1 R1
6353	OFM	robot	BODY	01	J	13	1	Each	BC 120 P1 R2
6354	OFM	robot	BODY	01	J	13	1	Each	BC 120 P1 R3
6355	OFM	robot	BODY	01	J	13	1	Each	BC 120 P1 R4
6356	OFM	robot	BODY	01	J	13	1	Each	BC 120 P1 R1
6357	OFM	gear box - conveyor drive	BODY	01	L	12	2	Each	roller conveyor
6372	OFM	gear box - conveyor drive	BODY	01	M	12	2	Each	roller conveyor

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6379	OFM	gear box - conveyor drive	BODY	01	N	13	2	Each	roller conveyor
6389	OFM	robot	BODY	01	M	10	3	Each	loose on floor
6394	OFM	gear box - conveyor drive	BODY	01	J	10	1	Each	roller conveyor
6407	OFM	gear box	BODY	02	C	11	1	Each	Blower motor
6414	OFM	gear box - over head door	BODY	02	B	6	1	Each	MBM shop
6419	OFM	oil reservoir	BODY	02	C	5	1	Each	30gal chain lubricator
6420	OFM	gear box - conveyor drive	BODY	02	C	5	2	Each	
6422	OFM	oil reservoir	BODY	02	C	5	2	Each	Trabon grease lubricator
6423	OFM	oil reservoir	BODY	02	C	5	2	Each	conveyor chain lubricator
6426	OFM	oil reservoir	BODY	02	C	8	5	Each	roller conveyor oil lubricator
6428	OFM	oil reservoir	BODY	02	C	3	1	Each	35 gal grease lubricator loose on floor
6432	OFM	oil reservoir	BODY	02	D	1	2	Each	
6436	OFM	gear box - conveyor drive	BODY	02	C	4	1	Each	conveyor 421 loose on floor
6437	OFM	gear box - conveyor drive	BODY	02	C	4	1	Each	conveyor 406 loose on floor
6450	OFM	oil reservoir	BODY	02	D	11	1	Each	35 gal grease lubricator
6452	OFM	gear box - over head door	BODY	02	C	14	1	Each	
6453	OFM	gear box - conveyor drive	BODY	02	C	17	2	Each	Conveyor 411
6454	OFM	oil reservoir	BODY	02	C	17	2	Each	conveyor chain lubricator
6455	OFM	oil reservoir	BODY	02	C	18	2	Each	conveyor 306 chain lubricator
6456	OFM	gear box - conveyor drive	BODY	02	C	18	2	Each	Conveyor 306
6459	OFM	oil reservoir	BODY	02	E	19	1	Each	50 gal chain lubricator central lube unit # 13
6462	OFM	compressor	BODY	02	E	19	1	Each	NLB Corp - for carrier washer
6463	OFM	compressor	BODY	02	E	19	1	Each	gear box
6464	OFM	oil reservoir	BODY	02	E	19	1	Each	for compressor pump
6478	OFM	gear box	BODY	02	E	18	3	Each	Compressor units 1, 2 & 3
6480	OFM	oil reservoir	BODY	02	E	18	3	Each	for hydraulic pumps - Carrier
6483	OFM	gear box	BODY	02	E	18	1	Each	214DS hydraulic unit pump
6485	OFM	oil reservoir	BODY	02	E	18	1	Each	for hydraulic pump
6499	OFM	riding lawn mower	BODY	02	D	9	1	Each	John Deere
6504	OFM	oil reservoir	BODY	02	D	9	1	Each	oil lubricator loose on floor
6529	OFM	gear box	BODY	02	F	19	1	Each	water filter
6532	OFM	oil reservoir	BODY	03	F	19	2	Each	conveyor 304 chain lubricator
6534	OFM	oil reservoir	BODY	03	F	19	1	Each	conveyor 304 30 gal grease lubricator
6535	OFM	gear box - conveyor drive	BODY	03	F	20	1	Each	conveyor 244
6536	OFM	oil reservoir	BODY	03	F	20	1	Each	conveyor 244 chain lubricator
6537	OFM	gear box - conveyor drive	BODY	03	E	21	2	Each	conveyor 301
6539	OFM	oil reservoir	BODY	03	E	21	2	Each	conveyor 301 chain lubricator
6540	OFM	oil reservoir	BODY	03	E	21	1	Each	iconveyor 301 30 gal grease lubricator
6541	OFM	oil reservoir	BODY	03	D	32	2	Each	conveyor 302 chain lubricator
6544	OFM	gear box - conveyor drive	BODY	03	D	32	2	Each	conveyor 302
6545	OFM	oil reservoir	BODY	03	D	32	1	Each	conveyor 302 30 gal grease lubricator
6546	OFM	oil reservoir	BODY	03	D	32	2	Each	conveyor 302 - Trabon grease lubricators

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6549	OFM	oil reservoir	BODY	03	C	16	2	Each	conveyor 300 chain lubricator
6550	OFM	oil reservoir	BODY	03	C	16	2	Each	conveyor 300 Trabon grease lubricator
6553	OFM	gear box - conveyor drive	BODY	OM	F	43	2	Each	Conveyor 700
6554	OFM	oil reservoir	BODY	OM	F	43	2	Each	Conveyor 700 chain lubricator
6557	OFM	gear box - conveyor drive	BODY	OM	F	44	2	Each	Conveyor 707
6558	OFM	oil reservoir	BODY	OM	F	44	2	Each	conveyor 707 chain lubricator
6560	OFM	gear box - conveyor drive	BODY	OM	F	62	2	Each	conveyor 831
6561	OFM	oil reservoir	BODY	OM	F	62	2	Each	conveyor 831 chain lubricator
6563	OFM	gear box - conveyor drive	BODY	OM	D	60	2	Each	conveyor
6564	OFM	oil reservoir	BODY	OM	D	60	2	Each	conveyor chain lubricator
6565	OFM	gear box - conveyor drive	BODY	OM	D	49	2	Each	Conveyor 524
6566	OFM	oil reservoir	BODY	OM	D	49	2	Each	conveyor 524 chain lubricator
6570	OFM	gear box - conveyor drive	BODY	OM	D	48	1	Each	Conveyor 521
6572	OFM	oil reservoir	BODY	OM	E	41	1	Each	conveyor chain lubricator
6574	OFM	gear box - conveyor drive	BODY	OM	D	42	2	Each	Conveyor 708
6575	OFM	oil reservoir	BODY	OM	D	42	2	Each	conveyor 708 chain lubricator
6580	OFM	gear box - conveyor drive	BODY	OM	D	39	2	Each	conveyor 521
6582	OFM	oil reservoir	BODY	OM	D	39	2	Each	conveyor 521 chain lubricator
6586	OFM	gear box - conveyor drive	BODY	OM	N	34	2	Each	Conveyor 180
6588	OFM	oil reservoir	BODY	OM	N	34	2	Each	conveyor 180 chain lubricator
6592	OFM	gear box - conveyor drive	BODY	OM	C	11	6	Each	roller conveyor
6593	OFM	gear box - conveyor drive	BODY	OM	D	11	3	Each	roller conveyor
6596	OFM	gear box - conveyor drive	BODY	OM	N	7	1	Each	Sys-T-Mation conveyor
6597	OFM	gear box - conveyor drive	BODY	OM	L	7	1	Each	Sys-T-Mation conveyor
6603	OFM	oil reservoir	BODY	02	H	14	1	Each	Old paint shop roof - conveyor chain lubricator
6678	OFM	oil reservoir	BODY	02	L	27	1	Each	Old paint shop roof - 30 gal chain lubricator
6694	OFM	gear box - conveyor drive	BODY	OM	M	8	2	Each	Conveyor 4B
6703	OFM	gear box - conveyor drive	BODY	OM	M	8	2	Each	Conveyor 4A
6704	OFM	gear box - conveyor drive	BODY	OM	k	5	2	Each	Conveyor 5A
6705	OFM	gear box - conveyor drive	BODY	OM	J	5	2	Each	Conveyor 11A
6706	OFM	oil reservoir	BODY	OM	M	8	2	Each	Conveyor 4B chain lubricator
6707	OFM	oil reservoir	BODY	OM	M	8	2	Each	Conveyor 4A chain lubricator
6708	OFM	oil reservoir	BODY	OM	K	5	2	Each	Conveyor 5A chain lubricator
6709	OFM	oil reservoir	BODY	OM	J	5	2	Each	Conveyor 11A chain lubricator
6710	OFM	gear box - conveyor drive	BODY	OM	J	1	2	Each	Conveyor 8A
6711	OFM	oil reservoir	BODY	OM	J	1	2	Each	Conveyor 8A chain lubricator
6712	OFM	gear box - conveyor drive	BODY	OM	J	1	2	Each	Conveyor 8B
6713	OFM	oil reservoir	BODY	OM	J	1	2	Each	Conveyor 8B chain lubricator
6714	OFM	gear box - conveyor drive	BODY	OM	G	1	2	Each	Conveyor 9A
6715	OFM	oil reservoir	BODY	OM	G	1	2	Each	Conveyor 9A chain lubricator
6716	OFM	gear box - conveyor drive	BODY	OM	G	1	2	Each	Conveyor 9B
6717	OFM	oil reservoir	BODY	OM	G	1	2	Each	Conveyor 9B chain lubricator

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6718	OFM	gear box - conveyor drive	BODY	OM	L	7	2	Each	Conveyor 5B
6719	OFM	oil reservoir	BODY	OM	L	7	2	Each	Conveyor 5B chain lubricator
6720	OFM	gear box - conveyor drive	BODY	02	E	3	2	Each	Conveyor - not accessible
6721	OFM	oil reservoir	BODY	02	E	2	1	Each	Conveyor grease lubricator
6722	OFM	oil reservoir	BODY	02	E	2	2	Each	Conveyor chain lubricator
6723	OFM	gear box - conveyor drive	BODY	02	C	2	2	Each	roller conveyor
6725	OFM	oil reservoir	BODY	02	C	2	2	Each	Roller conveyor lubricator
6726	OFM	gear box	BODY	02	D	1	2	Each	Roller conveyor lubricator
6728	OFM	gear box - conveyor drive	BODY	01	h	16	9	Each	roller conveyor
6729	OFM	gear box - conveyor drive	BODY	OM	F	9	2	Each	roller conveyor
6733	OFM	gear box - conveyor drive	BODY	OM	F	10	2	Each	roller conveyor
6734	OFM	gear box - conveyor drive	BODY	OM	F	11	3	Each	roller conveyor
6735	OFM	gear box - conveyor drive	BODY	OM	E	11	3	Each	roller conveyor
6736	OFM	gear box - conveyor drive	BODY	OM	C	11	61	Each	roller conveyor
6737	OFM	gear box - conveyor drive	BODY	OM	E	10	3	Each	roller conveyor
6738	OFM	gear box - conveyor drive	BODY	OM	D	10	6	Each	roller conveyor
6739	OFM	gear box - conveyor drive	BODY	OM	C	10	5	Each	roller conveyor
6740	OFM	gear box - conveyor drive	BODY	OM	B	10	3	Each	roller conveyor
6741	OFM	gear box - conveyor drive	BODY	OM	A	10	9	Each	roller conveyor
6742	OFM	gear box - conveyor drive	BODY	OM	AA	10	2	Each	roller conveyor
6743	OFM	gear box - conveyor drive	BODY	OM	AC	10	6	Each	roller conveyor
6744	OFM	gear box - conveyor drive	BODY	OM	AB	10	1	Each	roller conveyor
6745	OFM	gear box - conveyor drive	BODY	OM	A	11	3	Each	roller conveyor
6746	OFM	gear box - conveyor drive	BODY	OM	B	11	3	Each	roller conveyor
6747	OFM	gear box	BODY	OM	F	11	2	Each	loose on floor
6748	OFM	gear box - conveyor drive	BODY	OM	C	10	2	Each	Conveyor 13
6750	OFM	oil reservoir	BODY	OM	C	10	2	Each	Conveyor 13 chain lubricator
6753	OFM	gear box - conveyor drive	BODY	OM	D	1	5	Each	roller conveyor
6754	OFM	gear box - conveyor drive	BODY	OM	C	1	3	Each	roller conveyor
6755	OFM	gear box - conveyor drive	BODY	OM	B	1	2	Each	roller conveyor
6756	OFM	gear box - conveyor drive	BODY	OM	B	2	2	Each	roller conveyor
6757	OFM	gear box - conveyor drive	BODY	OM	B	3	3	Each	roller conveyor
6758	OFM	gear box - conveyor drive	BODY	OM	A	3	3	Each	roller conveyor
6759	OFM	gear box - conveyor drive	BODY	OM	AA	3	3	Each	roller conveyor
6760	OFM	gear box - conveyor drive	BODY	OM	AA	4	16	Each	roller conveyor
6761	OFM	gear box - conveyor drive	BODY	OM	AA	5	5	Each	roller conveyor
6762	OFM	gear box - conveyor drive	BODY	OM	AB	5	2	Each	roller conveyor
6763	OFM	gear box - conveyor drive	BODY	OM	AC	4	11	Each	roller conveyor
6764	OFM	gear box - conveyor drive	BODY	OM	A	52	1	Each	roller conveyor
6765	OFM	gear box - conveyor drive	BODY	OM	D	4	2	Each	roller conveyor
6766	OFM	gear box - conveyor drive	BODY	OM	E	7	6	Each	roller conveyor
6767	OFM	gear box - conveyor drive	BODY	OM	F	7	3	Each	roller conveyor

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6768	OFM	gear box - conveyor drive	BODY	OM	F	8	7	Each	roller conveyor
6773	OFM	gear box - conveyor drive	BODY	OM	G	7	2	Each	roller conveyor
6774	OFM	gear box - conveyor drive	BODY	OM	G	8	2	Each	roller conveyor
6775	OFM	gear box - conveyor drive	BODY	OM	G	6	1	Each	roller conveyor
6776	OFM	gear box - conveyor drive	BODY	OM	G	5	4	Each	roller conveyor
6777	OFM	gear box - conveyor drive	BODY	OM	G	4	2	Each	roller conveyor
6778	OFM	gear box - conveyor drive	BODY	OM	F	5	4	Each	roller conveyor
6779	OFM	gear box - conveyor drive	BODY	OM	F	4	3	Each	roller conveyor
6780	OFM	gear box - conveyor drive	BODY	OM	F	4	2	Each	roller conveyor
6781	OFM	gear box - conveyor drive	BODY	OM	E	5	4	Each	roller conveyor
6782	OFM	gear box - conveyor drive	BODY	OM	E	4	5	Each	roller conveyor
6783	OFM	gear box - conveyor drive	BODY	OM	D	4	3	Each	roller conveyor
6784	OFM	gear box - conveyor drive	BODY	OM	E	3	3	Each	roller conveyor
6785	OFM	gear box - conveyor drive	BODY	OM	D	3	3	Each	roller conveyor
6786	OFM	gear box - conveyor drive	BODY	OM	D	2	4	Each	roller conveyor
6787	OFM	oil reservoir	BODY	OM	h	6	2	Each	Conveyor 12A chain lubricator
6788	OFM	gear box - conveyor drive	BODY	OM	F	4	2	Each	Conveyor 10
6789	OFM	oil reservoir	BODY	OM	F	4	2	Each	Conveyor 10 chain lubricator
6794	OFM	gear box - conveyor drive	BODY	OM	L	15	5	Each	roller conveyor
6795	OFM	gear box - conveyor drive	BODY	OM	L	16	2	Each	roller conveyor
6796	OFM	gear box - conveyor drive	BODY	OM	L	16	2	Each	roller conveyor
6797	OFM	gear box - conveyor drive	BODY	OM	M	15	3	Each	roller conveyor
6798	OFM	gear box - conveyor drive	BODY	OM	L	15	5	Each	roller conveyor
6799	OFM	gear box - conveyor drive	BODY	OM	M	10	2	Each	roller conveyor
6800	OFM	gear box - conveyor drive	BODY	OM	M	9	7	Each	roller conveyor
6801	OFM	gear box - conveyor drive	BODY	OM	M	13	4	Each	roller conveyor
6802	OFM	gear box - conveyor drive	BODY	OM	M	14	8	Each	roller conveyor
6803	OFM	gear box - conveyor drive	BODY	OM	L	14	5	Each	roller conveyor
6804	OFM	gear box - conveyor drive	BODY	OM	L	13	3	Each	roller conveyor
6805	OFM	gear box - conveyor drive	BODY	OM	L	12	2	Each	roller conveyor
6806	OFM	gear box - conveyor drive	BODY	OM	L	11	3	Each	roller conveyor
6807	OFM	gear box - conveyor drive	BODY	OM	L	11	1	Each	loose on floor
6808	OFM	gear box - conveyor drive	BODY	OM	K	11	3	Each	roller conveyor
6809	OFM	gear box - conveyor drive	BODY	OM	K	8	3	Each	roller conveyor
6810	OFM	gear box - conveyor drive	BODY	OM	K	16	2	Each	Conveyor 15B
6811	OFM	oil reservoir	BODY	OM	L	16	2	Each	Conveyor 15B chain lubricator
6817	OFM	gear box - conveyor drive	BODY	OM	J	18	5	Each	roller conveyor
6818	OFM	gear box - conveyor drive	BODY	OM	G	18	4	Each	roller conveyor
6819	OFM	gear box - conveyor drive	BODY	OM	G	12	4	Each	roller conveyor
6820	OFM	gear box - conveyor drive	BODY	OM	H	13	7	Each	roller conveyor
6821	OFM	gear box - conveyor drive	BODY	OM	H	14	3	Each	roller conveyor
6822	OFM	gear box - conveyor drive	BODY	OM	H	14	6	Each	roller conveyor

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6823	OFM	gear box - conveyor drive	BODY	OM	G	14	8	Each	roller conveyor
6824	OFM	gear box - conveyor drive	BODY	OM	G	16	3	Each	roller conveyor
6825	OFM	gear box - conveyor drive	BODY	OM	H	16	3	Each	roller conveyor
6826	OFM	gear box - conveyor drive	BODY	OM	J	16	1	Each	loose on floor
6827	OFM	gear box - conveyor drive	BODY	OM	J	16	1	Each	roller conveyor
6828	OFM	gear box - conveyor drive	BODY	OM	H	15	4	Each	roller conveyor
6829	OFM	gear box - conveyor drive	BODY	OM	H	15	1	Each	loose on floor
6831	OFM	lift	BODY	OM	H	14	3	Each	parts elevator
6836	OFM	gear box - conveyor drive	BODY	OM	E	17	2	Each	roller conveyor
6837	OFM	gear box - conveyor drive	BODY	OM	E	16	2	Each	roller conveyor
6838	OFM	gear box - conveyor drive	BODY	OM	E	15	2	Each	roller conveyor
6839	OFM	gear box - conveyor drive	BODY	OM	D	16	2	Each	roller conveyor
6840	OFM	gear box - conveyor drive	BODY	OM	d	15	1	Each	roller conveyor
6841	OFM	gear box - conveyor drive	BODY	OM	D	14	2	Each	roller conveyor
6842	OFM	gear box - conveyor drive	BODY	OM	D	13	2	Each	roller conveyor
6843	OFM	gear box - conveyor drive	BODY	OM	D	12	2	Each	roller conveyor
6845	OFM	gear box - conveyor drive	BODY	OM	E	12	3	Each	roller conveyor
6846	OFM	gear box - conveyor drive	BODY	OM	E	12	2	Each	Conveyor 2A
6847	OFM	oil reservoir	BODY	OM	E	12	2	Each	Conveyor 2A chain lubricators
6848	OFM	gear box - conveyor drive	BODY	OM	D	13	2	Each	Conveyor 2B
6849	OFM	oil reservoir	BODY	OM	D	13	2	Each	Conveyor 2B chain lubricators
6850	OFM	gear box - conveyor drive	BODY	OM	G	19	3	Each	roller conveyor
6851	OFM	gear box - conveyor drive	BODY	OM	G	18	2	Each	roller conveyor
6854	OFM	gear box - conveyor drive	BODY	OM	H	18	5	Each	roller conveyor
6855	OFM	gear box - conveyor drive	BODY	OM	J	19	2	Each	roller conveyor
6856	OFM	gear box - conveyor drive	BODY	OM	K	27	2	Each	Conveyor ASI #33 chain lubricator
6858	OFM	oil reservoir	BODY	OM	K	27	2	Each	Conveyor ASI #33 chain lubricator
6859	OFM	gear box - conveyor drive	BODY	OM	K	27	2	Each	Conveyor ASI #27
6860	OFM	oil reservoir	BODY	OM	K	27	2	Each	Conveyor ASI #27 chain lubricator
6861	OFM	gear box - conveyor drive	BODY	OM	L	27	2	Each	Conveyor ASI 21A
6862	OFM	oil reservoir	BODY	OM	L	27	2	Each	Conveyor ASI #21A chain lubricator
6863	OFM	gear box - conveyor drive	BODY	OM	L	27	2	Each	Conveyor ASI #21B
6864	OFM	oil reservoir	BODY	OM	L	27	2	Each	Conveyor ASI #21B chain lubricator
6865	OFM	gear box	BODY	OM	L	27	2	Each	Conveyor ASI #29
6866	OFM	oil reservoir	BODY	OM	L:	27	2	Each	Conveyor ASI #29 chain lubricator
6867	OFM	oil reservoir	BODY	OM	G	27	2	Each	Conveyor ASI #23 chain lubricator
6868	OFM	gear box - conveyor drive	BODY	OM	G	27	2	Each	Conveyor ASI #23
6869	OFM	gear box - conveyor drive	BODY	OM	G	26	2	Each	Conveyor ASI #23B
6870	OFM	oil reservoir	BODY	OM	G	26	2	Each	Conveyor ASI #23B chain conveyor
6872	OFM	lift	BODY	OM	E	23	1	Each	parts elevator
6873	OFM	gear box	BODY	OM	E	23	3	Each	on parts elevator
6874	OFM	gear box - conveyor drive	BODY	OM	F	22	2	Each	Conveyor 24B

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6875	OFM	oil reservoir	BODY	OM	F	23	2	Each	Conveyor 24B chain lubricator
6876	OFM	gear box - conveyor drive	BODY	OM	F	22	3	Each	roller conveyor
6877	OFM	gear box - conveyor drive	BODY	OM	E	22	2	Each	roller conveyor
6878	OFM	gear box - conveyor drive	BODY	OM	D	22	2	Each	roller conveyor
6879	OFM	gear box - conveyor drive	BODY	OM	B	23	3	Each	roller conveyor
6880	OFM	gear box - conveyor drive	BODY	OM	F	21	2	Each	roller conveyor
6881	OFM	gear box - conveyor drive	BODY	OM	g	22	2	Each	Conveyor 24
6882	OFM	oil reservoir	BODY	OM	G	22	2	Each	Conveyor 24 chain lubricator
6884	OFM	gear box - conveyor drive	BODY	OM	F	20	2	Each	roller conveyor
6885	OFM	gear box - conveyor drive	BODY	OM	G	20	2	Each	Conveyor 22
6886	OFM	oil reservoir	BODY	OM	G	20	2	Each	Conveyor 22 chain lubricator
6887	OFM	gear box - conveyor drive	BODY	OM	F	19	3	Each	roller conveyor
6888	OFM	gear box - conveyor drive	BODY	OM	F	18	3	Each	roller conveyor
6890	OFM	gear box - conveyor drive	BODY	OM	E	18	3	Each	roller conveyor
6891	OFM	gear box - conveyor drive	BODY	OM	F	17	2	Each	Conveyor ASI #1
6892	OFM	oil reservoir	BODY	OM	F	17	2	Each	Conveyor ASI #1 chain lubricator
6899	OFM	gear box - conveyor drive	BODY	OM	L	8	2	Each	Conveyor 11D
6900	OFM	oil reservoir	BODY	OM	L	8	2	Each	Conveyor 11D chain lubricator
6901	OFM	gear box - conveyor drive	BODY	OM	L	7	2	Each	Conveyor 5B
6902	OFM	oil reservoir	BODY	OM	L	7	2	Each	Conveyor 5B chain lubricator
6903	OFM	gear box - conveyor drive	BODY	OM	K	7	3	Each	roller conveyor
6904	OFM	gear box - conveyor drive	BODY	OM	J	7	4	Each	roller conveyor
6905	OFM	gear box - conveyor drive	BODY	OM	K	10	2	Each	Conveyor 3A
6906	OFM	oil reservoir	BODY	OM	K	10	2	Each	Conveyor 3A chain lubricator
6907	OFM	gear box - conveyor drive	BODY	OM	K	12	2	Each	Conveyor 3B
6908	OFM	oil reservoir	BODY	OM	K	12	2	Each	Conveyor 3B chain lubricator
6909	OFM	gear box	BODY	OM	K	15	1	Each	Sys-T-Mation conveyor
6910	OFM	gear box	BODY	OM	K	16	1	Each	Sys-T-Mation conveyor
6911	OFM	gear box - conveyor drive	BODY	OM	J	15	1	Each	roller conveyor
6912	OFM	gear box - conveyor drive	BODY	OM	H	15	6	Each	roller conveyor
6913	OFM	gear box - conveyor drive	BODY	OM	G	14	10	Each	roller conveyor
6914	OFM	gear box - conveyor drive	BODY	OM	G	11	5	Each	roller conveyor
6915	OFM	gear box - conveyor drive	BODY	OM	G	10	2	Each	roller conveyor
6916	OFM	gear box - conveyor drive	BODY	OM	G	9	2	Each	roller conveyor
6917	OFM	gear box - conveyor drive	BODY	OM	G	8	2	Each	Conveyor 18
6918	OFM	oil reservoir	BODY	OM	G	8	2	Each	Conveyor 18 chain lubricator
6922	OFM	gear box - conveyor drive	BODY	02	L	3	2	Each	Conveyor 189 standby drive
6923	OFM	oil reservoir	BODY	02	L	3	2	Each	Conveyor 189 chain lubricator
6929	OFM	gear box - conveyor drive	BODY	02	L	4	2	Each	Conveyor 185
6930	OFM	oil reservoir	BODY	02	L	4	2	Each	Conveyor 185 chain lubricator
6935	OFM	gear box - conveyor drive	BODY	02	L	27	2	Each	Conveyor 187
6946	OFM	elevator	BODY	01	C	28	1	Each	Hydraulic personnel/equipment elevator

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
6947	OFM	elevator	BODY	01	C	28	1	Each	Hydraulic personnel/equipment elevator
6948	OFM	elevator	BODY	01	C	14	1	Each	Hydraulic personnel/equipment elevator
6949	OFM	elevator	BODY	01	C	34	1	Each	Hydraulic personnel/equipment elevator
6950	OFM	elevator	BODY	01	N	36	1	Each	Hydraulic personnel/equipment elevator
6951	OFM	elevator	BODY	01			1	Each	Hydraulic personnel/equipment elevator @ dock 41
6952	OFM	oil reservoir	BODY	02	L	27	2	Each	Conveyor 187 chain lubricator
6969	OFM	robot	BODY	01	J	15	1	Each	A 230 R3
6970	OFM	robot	BODY	01	J	15	1	Each	A 230 R1
6971	OFM	robot	BODY	01	J	15	1	Each	A 220 R3
6972	OFM	robot	BODY	01	J	15	1	Each	A 220 R1
6973	OFM	robot	BODY	01	J	15	1	Each	A 200 R3
6974	OFM	robot	BODY	01	J	15	1	Each	A 200 R1
6975	OFM	robot	BODY	01	J	15	1	Each	A 170 R3
6976	OFM	robot	BODY	01	F	15	1	Each	A 170 R1
6977	OFM	robot	BODY	01	F	15	1	Each	A 150 R3
6978	OFM	robot	BODY	01	F	15	1	Each	A 150 R1
6979	OFM	robot	BODY	01	F	15	1	Each	A 145 R1
6980	OFM	robot	BODY	01	F	15	1	Each	A 130 R3
6981	OFM	robot	BODY	01	F	15	1	Each	A 130 R1
6982	OFM	robot	BODY	01	F	15	1	Each	A 110 R3
6983	OFM	robot	BODY	01	H	17	1	Each	A 110 R1
6984	OFM	robot	BODY	01	H	17	1	Each	A 080 R1
6985	OFM	robot	BODY	01	H	17	1	Each	A 080 R3
6986	OFM	robot	BODY	01	H	17	1	Each	A 070 R3
6987	OFM	robot	BODY	01	H	17	1	Each	A 050 R1
6988	OFM	robot	BODY	01	H	17	1	Each	A 040 R3
7758	OFM		BODY	2					
7767	OFM	gear box - conveyor drive	BODY	01			1	Each	Rapistan conveyor
4465	OVN	furnace	BODY	OB	B	19	3	Each	boilers
980	PIT	pit	BODY	OB		1	1	Each	267' x 21' x 5' - sludge and water
3967	PIT	pit	BODY	01	D	55	1	Each	22' x 14' x 10'
4385	PIT	pit	BODY	OB		1	1	Each	267' x 21' x 5' - sludge and water
4400	PIT	pit	BODY	OB	K		1	Each	28' x 10' x 7' at east end
4427	PIT	pit	BODY	OB		1	1	Each	21' x 19' x 5' in tunnel - old ELPO area
4428	PIT	pit	BODY	OB		1	1	Each	21' x 19' x 8' cooling tower water in tunnel
4431	PIT	pit	BODY	OB		1	1	Each	21' x 19' x 8' in tunnel
4508	PIT	pit	BODY	01	K	33	1	Each	36' x 6' x 8' w/ 6"sludge in 6 separate chambers
4511	PIT	pit	BODY	01	K	34	1	Each	42' x 12' x ? - area covered from previous operations
4512	PIT	pit	BODY	01	K	34	1	Each	112' x 15' x ? Not accessable covered from previous operation
4525	PIT	machine	BODY	01	F	31	2	Each	6' x 12' x 1' in CMM room
4526	PIT	machine pit	BODY	01	F	31	2	Each	6' x 12' x 1' CMM Room
4673	PIT	pit	BODY	OB		1	1	Each	90' x 10' x 3' sludge and sealer disposal area

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4696	PIT	pit	BODY	OB	M-N	1	1	Each	11' x 10' x 5' old boiler room
6076	PIT	elevator	BODY	01	B	11	1	Each	personnel/equipment
6966	PIT	pit	BODY	01	D	47-39	1	Each	348' x 12' x 3' - water and debris
1461	RAD	smoke detector	BODY	02			8	Each	Sub Station B
1471	RAD	smoke detector	BODY	02			10	Each	Sub Station A
1496	RAD	smoke detector	BODY	OR			12	Each	Substation E
5740	ROF	roofing material	BODY	03	M	7	1	Each	Built up roof - below deck on lower roof
6666	ROF	roofing material	BODY	02	J	5	1	Each	Old paint shop roof - severe build up of materials
1875	RRT	concrete	BODY	01	P	1	1	Each	Track runs the entire west side of plant
1513	SMP	sump	BODY	01	E	39	1	Each	4' rd, unknown depth - Industrial waste
1854	SMP	sump	BODY	01	L	51	1	Each	3X3x1? Industrial waste
1863	SMP	sump	BODY	01	M	39	1	Each	4' rd industrial waste
2254	SMP	sump	BODY	01	AD	10	1	Each	3' x 3' X ?
2637	SMP	sump	BODY	01	K	5	1	Each	4' Rd x ?
3965	SMP	sump	BODY	01	E	55	1	Each	3' x 2' x 2'
4338	SMP	sump	BODY	01	P	3	1	Each	3' X 3' X 3' sludge
4369	SMP	sump	BODY	01	P	19	1	Each	3' x 3' x ? - not accessable
4370	SMP	sump	BODY	01	J	18	1	Each	3' x 3' x 5' waste dump
4371	SMP	sump	BODY	01	B	14	1	Each	3' x 3' x 5' dump
4458	SMP	sump	BODY	OB	B	19	1	Each	2' x 2' x 2' - water/sludge in tunnel
4459	SMP	sump	BODY	OB	B	19	1	Each	5' x 5' x 5' water
4476	SMP	sump	BODY	OB	B	19	1	Each	5' rd x 6'
4499	SMP	sump	BODY	OB		1	1	Each	6' x 6' x ? behind red door in tunnel to old compressor building
4504	SMP	sump	BODY	01	F	24	1	Each	3' x 3' x 3' industrial waste
4659	SMP	sump inside a trench	BODY	OB	L		1	Each	L line tunnel
4672	SMP	sump	BODY	OB		1	1	Each	3' x 3' x 3'
4675	SMP	sump	BODY	OB	N		1	Each	5' x 5' x 7' in upper storage near N24
4676	SMP	sump	BODY	OB	N		1	Each	3' x 3' x ? In upper storage area near N24
4693	SMP	sump	BODY	OB	M-N	1	1	Each	7' x 6' x 5' in old boiler room
4697	SMP	sump inside a pit	BODY	OB	M-N	1	1	Each	2' x 1' in old boiler room
6045	SMP	sump	BODY	01	B	4	1	Each	2' x 2' x 3' waste dump
6940	SMP	sump	BODY	01	L	4	1	Each	
6943	SMP	sump	BODY	01	AC	0	1	Each	Major sump
6944	SMP	sump	BODY	OE			1	Each	Storm sewer located at the southwest end of body outside
1779	TNK	other	BODY	01	F	37	1	Each	solvent washer
1804	TNK	oil	BODY	01	F	47	80	Gal	Rear axle fill
1806	TNK	oil	BODY	01	F	47	5	Gal	Rear axle fill
1808	TNK	oil	BODY	01	F	48	5	Gal	Rear axle fill
1809	TNK	oil	BODY	01	F	48	80	Gal	Rear axle fill
1881	TNK	Portable	BODY	01	P	52	1	Gal	Red portable containers
2221	TNK	other	BODY	01	B	13	1	Each	5 gal Kerosene
2222	TNK	gasoline	BODY	01	C	13	1	40	on cart

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2223	TNK	other	BODY	01	C	13	1	40	Kerosene on cart
2247	TNK	other	BODY	01	AD	10	20000	Each	Brine silo #7
2248	TNK	other	BODY	01	AD	10	20000	Gal	Brine Silo#2
2251	TNK	water	BODY	01	AD	10	3	Each	200 gal each
2252	TNK	water	BODY	01	AD	10	1	200	
3957	TNK	oil	BODY	01	C	60	1	Each	appears to be empty
4052	TNK	oil	BODY	01	H	38	1	Each	200 gal hydraulic fluid
4053	TNK	oil	BODY	01	G	38	1	Each	400 gal hydraulic fluid
4057	TNK	oil	BODY	01	G	38	16	Each	50 gal lubricant storage tanks
4059	TNK	oil	BODY	01	G	37	1	Each	300 gal Castrol hydraulic fluid
4060	TNK	oil	BODY	01	G	37	1	Each	300 gal America's choice hydraulic oil
4061	TNK	oil	BODY	01	G	37	1	Each	300 gal Castrol air tool oil
4341	TNK	water	BODY	01	P	3	1100	Gal	RO water
4347	TNK	water	BODY	01	P	3	2	Each	5,000 gal each - water softener
4349	TNK	water	BODY	01	P	2	10000	Gal	water - softened
4362	TNK	water	BODY	01	P	2	4	Each	5,000 gal each - water filtering tanks
4373	TNK	water	BODY	01	P	3	3	Each	2,000 gallon each water filter tanks
4375	TNK	water	BODY	01	P	2	5000	Eachg	
4378	TNK	brine	BODY	01	P	1	8000	Gal	
4463	TNK	water	BODY	OB	B	19	300	Gal	condensate
4468	TNK	potassium hydroxide	BODY	OB	B	19	30	Eachg	in room
4475	TNK	grease trap	BODY	OB	B	19	100	Gal	Grease trap from cafeteria - infested with cockroaches
4498	TNK	water	BODY	OB		1	200	Gal	behind red door in tunnel to old compressor building
4695	TNK	water	BODY	OB	M-N	1	10000	Gal	in old boiler room
5512	TNK	other	BODY	02	A	5	1	Each	50 gal liquid glycol 30%
5515	TNK	water	BODY	02	A	6	10	Gal	
5519	TNK	other	BODY	02	A	6	10	Gal	10 gal Betz Dearborn
5538	TNK	other	BODY	02	A	9	2	Each	Hydryer
5541	TNK	other	BODY	02	A	8	4	Each	on air dryer
5552	TNK	water	BODY	02	A	4	2	Each	500 gal water
5841	TNK	propane	BODY	03			200	LB	outside abandoned cab & box touch up & misc. #2 ASH on roof
6018	TNK	oil	BODY	01	B	12	6	Each	50 gal tanks of motor oil
6449	TNK	other	BODY	02	C	11	2	Each	120 gal Continuum AT 204
6521	TNK	other	BODY	02	E	9	1	Each	200 gal unknown
6524	TNK	oil	BODY	02	F	10	1	Each	300 gal chain lube
6669	TNK	other	BODY	02	J	13	1	Each	Old paint shop roof - tank is empty
1455	TRA	gas	BODY	02			1	Each	Sub Station B - B3 - GE Vaportran
1456	TRA	gas	BODY	02			1	Each	Sub Station B - B4 - GE Vaportran
1457	TRA	dry	BODY	02			1	Each	Substation B - BW-5 - Square D Cast Coil
1458	TRA	gas	BODY	02			1	Each	Sub Station B - SP-B GE Vaportran
1459	TRA	gas	BODY	02			1	Each	Sub Station B - B1 - GE Vaportran
1460	TRA	gas	BODY	02			1	Each	Sub Station B - B2 - GE Vaportran

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1466	TRA	dry	BODY	02			1	Each	Sub Station A - SP-A - GE Vaportran
1467	TRA	gas	BODY	02			1	Each	Sub Station A - A4 - GE Vaportran
1468	TRA	gas	BODY	02			1	Each	Sub Station A - A3 - GE Vaportran
1469	TRA	gas	BODY	02			1	Each	Sub Station A - AW2 - GE Vaportran
1470	TRA	dry	BODY	02			1	Each	Sub Station A - AW5 - Square D Cast Coil
1494	TRA	gas	BODY	OR			1	Each	Substation E - E1 - GE Vaportran
1500	TRA	gas	BODY	OR			1	Each	Substation E - E2 -o GE Vaportran
1501	TRA	gas	BODY	OR			1	Each	Substation E - SP-E - GE Vaportran
1502	TRA	gas	BODY	OR			1	Each	Substation E - E3 - GE Vaportran
1503	TRA	dry	BODY	OR			1	Each	Substation E - EW4 - GE
1504	TRA	dry	BODY	OR			1	Each	Substation E - EW5 - GE
5521	TRA	dry	BODY	02	B	7	1	Each	GE Chiller sub
4379	TRN	trench	BODY	01	P	3	1	Each	134' x 0.5' x 0.5' trench system
4386	TRN	trench	BODY	OB		1	1	Each	8' x 1' x 1' - sludge
4398	TRN	trench	BODY	OB	K		1	Each	10' x 2' x 2' utility trench east end
4423	TRN	trench	BODY	OB		1	1	Each	37' x 1' x 1' in tunnel near old ELPO
4425	TRN	slews way	BODY	OB		1	1	Each	27' x 4' x 0.5' in tunnel near old ELPO
4434	TRN	trench	BODY	OB	K		1	Each	12' x 3' x 2' in tunnel
4471	TRN	trench	BODY	OB	K		1	Each	30' x 0.5' x 0.5' in tunnel
4507	TRN	trench	BODY	01	F	33	1	Each	98' x 2' x 0.5'
4523	TRN	trench	BODY	01	M	31	1	Each	18' x 2' x 0.5'
4524	TRN	trench	BODY	01	J	31	1	Each	18' x 2' x 0.5'
4657	TRN	trench	BODY	OB	L		1	Each	300' x 1' x 1'
4658	TRN	trench	BODY	OB	L		1	Each	in storage room off L line tunnel
4661	TRN	trench	BODY	OB	N		1	Each	17' x 7' x 3' utility trench
4678	TRN	trench	BODY	OB	N		1	Each	274' x 1' x 1' in lower storage room near N24
4684	TRN	trench	BODY	OB	N		1	Each	86' x 3' x 4' in tunnel
4685	TRN	trench	BODY	OB	N		1	Each	15' x 4' x 4'
6404	TRN	trench	BODY	01	D	38-47	1	Each	325" x 9' x 3'
6410	TRN	trench	BODY	02	B	6	1	Each	18' x 1' x 0.5'
4381	TUN	tunnel	BODY	OB		1	1	Each	519' x 40' x 8'. Far south end of facility at bottom of ramp
4397	TUN	tunnel	BODY	OB	K		1	Each	739' x 10' x 8'
4401	TUN	tunnel	BODY	OB	F		1	Each	1578' x 10' x 8' (includes ramp at F-40)
4421	TUN	tunnel	BODY	OB	F	25	1	Each	Sealed door - no access
4469	TUN	tunnel	BODY	OB	B		1	Each	592' x 6' x 7' floor dry
4493	TUN	tunnel	BODY	OB	F		1	Each	432' x 10' x 8'
4494	TUN	tunnel	BODY	OB	F		1	Each	24' x 3.5' x 8' west end
4495	TUN	tunnel	BODY	OB	P	1	1	Each	343' x 15' x various - leads to old compressor building/Delphi
4496	TUN	tunnel	BODY	OB		1	1	Each	318' x 12' x 8' - runs southwest, ends at locked fence
4497	TUN	tunnel	BODY	OB		1	1	Each	610' x 8' x 7' - enters at red door, ends at locked gate
4664	TUN	tunnel	BODY	OB	L		1	Each	65' x 5' x 8' entrance to L line tunnel
4665	TUN	tunnel	BODY	OB	N		1	Each	100' x 20' x 10' entrance ramp to N tunnel

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4679	TUN	tunnel	BODY	OB	N		1	Each	96' x 4' x 7' bypass #1 to L tunnel
4680	TUN	tunnel	BODY	OB	N		1	Each	27' x 4' x 7' tunnel bypass #2 (N38)
4681	TUN	tunnel	BODY	OB	N		1	Each	1531' x 10' x 8'
4384	WAL	oil stained	BODY	OB		1	1	Each	Far southeast end, severe build up of materials
7646			BODY	1					
7647			BODY	1					
7648		Pit	BODY	1					PIT
7651		concret	BODY	1					
7652		sump	Body	1					
7653		concrete	BODY	1					floor
7654			BODY	b					oil samples
7764			ccmp						
7765			ccmp	1					
7499	AST	hopper	ELPO	OM	C	0	1	Each	drains into trench on 1st floor
7503	AST	hopper	ELPO	OM	E	0	1	Each	drains into trench on 1st floor
7542	AST	hopper	ELPO	OM	L	0.9	1	Each	drains into trench on first floor
4862	BAT	exit sign	ELPO	01	B	0.9	1	Each	
4920	BAT	exit sign	ELPO	01	N	0.9	1	Each	
4928	BAT	exit sign	ELPO	01	N	0	1	Each	
4929	BAT	exit sign	ELPO	01	N	1.9	1	Each	
7460	BAT	emergency light	ELPO	OM			1	Each	ramp from old elpo
7467	BAT	emergency light	ELPO	OM	AF	1	1	Each	
7468	BAT	exit sign	ELPO	OM	AF	1	1	Each	
7470	BAT	emergency light	ELPO	OM	AE	1	1	Each	
7472	BAT	emergency light	ELPO	OM	AD	1	1	Each	
7474	BAT	emergency light	ELPO	OM	AC	1	1	Each	
7478	BAT	emergency light	ELPO	OM	AA	1	1	Each	
7479	BAT	exit sign	ELPO	OM	AA	1	1	Each	
7481	BAT	emergency light	ELPO	OM	A	1	1	Each	
7485	BAT	emergency light	ELPO	OM	B	1	1	Each	
7505	BAT	exit sign	ELPO	02	N	0.9	1	Each	
7523	BAT	exit sign	ELPO	02	K	0.9	1	Each	office
7530	BAT	exit sign	ELPO	OM	H	0.9	1	Each	
4835	CAP	electrical control panel	ELPO	01	B	0.9	1	Each	
4912	CAP	electrical control panel	ELPO	01	L	0.9	2	Each	stage 5 pressure filter
7520	CAP	electrical control panel	ELPO	02	K	0.9	1	Each	smarteye communication interface - office
7552	CAP	electrical control panel	ELPO	OM	L	0.9	1	Each	ROCP #1 dip auxiliary
7554	CAP	electrical control panel	ELPO	OM	L	0.9	1	Each	ROCP #2 ELPO dip exit weir & UF
7562	CAP	electrical control panel	ELPO	OM	F	0.9	1	Each	ROCP #1 panel
7563	CAP	electrical control panel	ELPO	OM	F	0.9	1	Each	ROCP #2 panel
7580	CAP	electrical control panel	ELPO	01	N	0.9	1	Each	Regenerative thermal oxidizer panel
7607	CAP	electrical control panel	ELPO	01	K	0.9	2	Each	

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7615	CAP	electrical control panel	ELPO	01	H	0.9	1	Each	
7465	CFC	electrical control cabinet air	ELPO	OM	AE	2	1	Each	Conveyor 245
7466	CFC	electrical control cabinet air	ELPO	OM	AE	2	1	Each	Conveyor 237
7486	CFC	electrical control cabinet air	ELPO	OM	C	0.9	2	Each	7140 conveyor panel
7512	CFC	drinking fountain	ELPO	02	L	0.9	2	Each	
7515	CFC	ice machine	ELPO	02	L	0.9	1	Each	
7521	CFC	HVAC unit	ELPO	02	K	0.9	1	Each	small portable unit - office
7532	CFC	electrical control cabinet air	ELPO	OM	H	0.9	1	Each	7170 conveyor system
7534	CFC	electrical control cabinet air	ELPO	OM	H	0.9	1	Each	7110 conveyor system
7576	CFC	electrical control cabinet air	ELPO	OM	E	0.9	1	Each	7124 conveyor system panel
7581	CFC	electrical control cabinet air	ELPO	01	N	0.9	1	Each	RTO exhaust fan panel
7622	CFC	drinking fountain	ELPO	01	D	0.9	1	Each	
7633	CFC	drinking fountain	ELPO	01	G	1.9	1	Each	
4843	CNT	drum	ELPO	01	B	0.9	19	Each	30 gal CastroL grease
4848	CNT	pail	ELPO	01	B	0.9	4	Each	5 gal Castrol grease
4866	CNT	drum	ELPO	01	C	0.9	4	Each	used oil
4867	CNT	drum	ELPO	01	C	0.9	2	Each	30 gal grease
4870	CNT	pail	ELPO	01	C	0.9	1	Each	oil X
4900	CNT	drum	ELPO	01	A	0.9	1	Each	40 gal CL-280
4922	CNT	drum	ELPO	01	N	0.9	32	Each	50 gal Bondeite 958
4923	CNT	drum	ELPO	01	N	0.9	2	Each	50 gal Parcolene
4924	CNT	drum	ELPO	01	N	0.5	7	Each	primer 40
4926	CNT	drum	ELPO	01	N	0.9	8	Each	50 gal Deoxidine 2521
4930	CNT	drum	ELPO	01	M	1.9	1	Each	30 gal grease
4935	CNT	drum	ELPO	01	K	1.9	3	Each	50 gal cationic PH control
4936	CNT	pail	ELPO	01	K	1.9	1	Each	5 gal ED additive SA
7491	CNT	drum	ELPO	OM	C	0.9	1	Each	50 gal saf-t-clean
7501	CNT	pail	ELPO	OM	D	0	1	Each	5 gal parcolene 80B
7540	CNT	drum	ELPO	OM	L	0.9	1	Each	30 gal castrol oil
7541	CNT	drum	ELPO	OM	L	0.9	1	Each	30 gal grease
7546	CNT	pail	ELPO	OM	M	0.9	1	Each	5 gal parcolene
7547	CNT	drum	ELPO	OM	M	0.9	1	Each	50 gal unknown
7549	CNT	pail	ELPO	OM	N	0.9	2	Each	5 gal parcolene
7585	CNT	pail	ELPO	01	M	1.9	8	Each	5 gal ED additive SA
7586	CNT	pail	ELPO	01	M	0.9	28	Each	5 gal ED additive SA
7587	CNT	drum	ELPO	01	M	0.9	9	Each	50 gal overkleen 35
7588	CNT	drum	ELPO	01	M	0.9	1	Each	50 gal defoamer
7589	CNT	drum	ELPO	01	M	0.9	1	Each	50 gal cationic pH control
7604	CNT	drum	ELPO	01	J	1.9	5	Each	50 gal P3 defoamer 2483
7612	CNT	drum	ELPO	01	H	1.9	4	Each	50 gal P3 baffle coat 2455
7627	CNT	pail	ELPO	01	C	0.9	2	Each	5 gal grease
7630	CNT	pail	ELPO	01	C	0.9	2	Each	5 gal isopropyl alcohol

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
7631	CNT	pail	ELPO	01	C	0.9	2	Each	5 gal grease
7632	CNT	drum	ELPO	01	D	1.9	3	Each	30 gal grease
7642	CNT	drum	ELPO	01	G	0.9	4	Each	50 gal PPG MZD 7330
7507	CRA	overhead crane	ELPO	02	M	0.9	1	Each	
4871	CRT	control panel CRT	ELPO	01	E	0.9	1	Each	stage I Hydroecyclone system FPO
4913	CRT	control panel CRT	ELPO	01	L	0.9	2	Each	stage 5 pressure filter
7458	CRT	computer monitor	ELPO	OM			2	Each	ramp to old elpo
7510	CRT	control panel CRT	ELPO	02	M	0.9	1	Each	building pressure system MCC #1
7516	CRT	television	ELPO	02	L	0.9	1	Each	
7524	CRT	computer monitor	ELPO	02	K	0.9	6	Each	office
7529	CRT	control panel CRT	ELPO	02	J	0.9	1	Each	body to phosphate panel
7545	CRT	control panel CRT	ELPO	OM	M	0.9	1	Each	ROCP #4 phosphate stage #6 - #8
7553	CRT	control panel CRT	ELPO	OM	L	0.9	1	Each	ROCP #1 ELPO dip auxiliary
7555	CRT	control panel CRT	ELPO	OM	L	0.9	1	Each	ROCP #2 ELPO dip exit weir & UF
7560	CRT	control panel CRT	ELPO	OM	F	0.9	1	Each	ROCP #1 phosphate pre-clean & stage #1 panel
7561	CRT	control panel CRT	ELPO	OM	F	0.9	1	Each	ROCP #2 phosphate stage #2, #3A & #3B
7575	CRT	control panel CRT	ELPO	OM	J	0.9	1	Each	ROCP #3 phosphate stage #4 & #5
7579	CRT	control panel CRT	ELPO	01	N	0.9	1	Each	Regenerative thermal oxidizer panel
7606	CRT	control panel CRT	ELPO	01	K	0.9	1	Each	RO system
7614	CRT	control panel CRT	ELPO	01	H	0.9	1	Each	ELPO waste water system
7635	CRT	control panel CRT	ELPO	01	B	0.9	1	Each	
7450	CTN	containment	ELPO	01	C-E	0	1	Each	76' x 3' x 1'
7453	CTN	containment	ELPO	01	D-E	0	1	Each	216' x 44' x 1'
7454	CTN	containment	ELPO	01	J-N	0	1	Each	210' x 44' x 1'
7456	CTN	containment	ELPO	01	D-N	0.9	1	Each	327' x 30' x 1'
7582	CTN	containment	ELPO	01	M	0.9	1	Each	30' x 1.5'
7600	CTN	containment	ELPO	01	J-K	1.9	1	Each	54' x 30' x 2'
7605	CTN	containment	ELPO	01	H-J	1.9	1	Each	80' x 22' x 2'
4833	CYL	compressed gas - acetylene	ELPO	OM	B	1.9	1	Each	
4834	CYL	compressed gas - oxygen	ELPO	OM	B	1.9	1	Each	
7489	CYL	compressed gas - oxygen	ELPO	OM	C	0.9	3	Each	
7490	CYL	compressed gas - acetylene	ELPO	OM	C	0.9	1	Each	
7577	CYL	compressed gas - oxygen	ELPO	OM	E	0.9	1	Each	
7578	CYL	compressed gas - acetylene	ELPO	OM	E	0.9	1	Each	
7617	CYL	compressed gas - carbon	ELPO	01	D	1.9	1	Each	
7618	CYL	compressed gas - oxygen	ELPO	01	D	1.9	2	Each	
7619	CYL	compressed gas - acetylene	ELPO	01	D	1.9	1	Each	
7623	CYL	compressed gas - carbon	ELPO	01	C	0.9	3	Each	
7624	CYL	compressed gas - acetylene	ELPO	01	C	0.9	5	Each	
7625	CYL	compressed gas - argon	ELPO	01	C	0.9	3	Each	
7626	CYL	compressed gas - oxygen	ELPO	01	C	0.9	2	Each	
7629	CYL	compressed gas - other	ELPO	01	C	0.9	1	Each	10# acetylone

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4864	FEX	20# dry	ELPO	01	C	0.9	1	Each	
4865	FEX	10# dry	ELPO	01	C	0.9	1	Each	
4896	FEX	20# water	ELPO	01	J	0.9	1	Each	
7471	FEX	20# CO2	ELPO	OM	AE	1	1	Each	
7473	FEX	20# CO2	ELPO	OM	AD	1	1	Each	
7476	FEX	20# CO2	ELPO	OM	AA	1	1	Each	
7484	FEX	20# CO2	ELPO	OM	A	1	1	Each	
7498	FEX	20# CO2	ELPO	OM	C	0	1	Each	on phosphate pre-clean
7511	FEX	20# water	ELPO	02	M	0.9	1	Each	
7513	FEX	20# water	ELPO	02	L	0.9	1	Each	
7550	FEX	20# water	ELPO	OM	N	0.9	1	Each	
7551	FEX	20# CO2	ELPO	OM	M	0.9	1	Each	
7566	FEX	20# water	ELPO	OM	H	0.9	1	Each	
7571	FEX	20# water	ELPO	OM	J	0.9	1	Each	
7593	FEX	20# water	ELPO	01	m	0.9	1	Each	
7616	FEX	20# water	ELPO	01	H	0.9	1	Each	
7637	FEX	20# water	ELPO	01	E	0.9	1	Each	
4868	FTR	water	ELPO	01	D	0.9	6	Each	pots
4875	FTR	water	ELPO	01	E	0.9	4	Each	
4879	FTR	water	ELPO	01	E	0.9	5	Each	pots ST #2 cleaner
4889	FTR	water	ELPO	01	F	0.9	1	Each	pots
4890	FTR	water	ELPO	01	G	0.9	1	Each	pots
4892	FTR	water	ELPO	01	H	0.9	5	Each	pots ELP0
4901	FTR	press	ELPO	01	K	0.9	1	Each	OBERLIN
4914	FTR	water	ELPO	01	L	0.9	4	Each	pots
4915	FTR	press	ELPO	01	L	0.9	1	Each	OBERLIN
4917	FTR	press	ELPO	01	L	0.9	1	Each	OBERLIN
4918	FTR	phosphate	ELPO	01	L	0.9	3	Each	pots
4919	FTR	phosphate	ELPO	01	M	0.9	2	Each	pots
4931	FTR	paint filter	ELPO	01	L	1.9	6	Each	ELPO pots
4933	FTR	anolyte	ELPO	01	K	1.9	1	Each	pots
4938	FTR	paint filter	ELPO	01	K	1.9	4	Each	ELPO pots
4939	FTR	paint filter	ELPO	01	J	1.9	1	Each	ELPO pots
4941	FTR	paint filter	ELPO	01	H	0.9	2	Each	ELPO pots
7568	FTR	water	ELPO	OM	H	0.9	2	Each	
7570	FTR	water	ELPO	OM	J	0.9	2	Each	
7572	FTR	water	ELPO	OM	J	0.9	16	Each	UF cleaning supply system #2
7573	FTR	water	ELPO	OM	J	0.9	1	Each	UF cleaning supply system #1
7598	FTR	water	ELPO	01	K	0.9	8	Each	
7636	FTR	water	ELPO	01	E	0.9	1	Each	
7640	FTR	water	ELPO	01	F	0.9	2	Each	
7641	FTR	water	ELPO	01	G	0.9	2	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4842	MCD	gas regulator	ELPO	01	B	0.9	2	Each	Blowers for Boiler #2
4861	MCD	gas pressure switch	ELPO	01	B	0.9	2	Each	gas boiler #1
7469	MCD	thermostat	ELPO	OM	AE	2	1	Each	
7475	MCD	thermostat	ELPO	OM	AC	2	1	Each	
7480	MCD	thermostat	ELPO	OM	AA	2	1	Each	
7517	MCD	thermostat	ELPO	02	L	0.9	1	Each	
4849	MIS	gasoline pump	ELPO	01	B	09	1	Each	
7628	MIS	flammable locker	ELPO	01	C	0.9	1	Each	
7634	MIS	cleaning supplies	ELPO	01	B	0.9	100	Each	misc. bottles
4863	OFM	gear box	ELPO	01	C	0.9	2	Each	on parts elevator
4921	OFM	elevator	ELPO	01	N	0.9	1	Each	
4927	OFM	gear box - over head door	ELPO	01	N	0	1	Each	
7461	OFM	gear box - conveyor drive	ELPO	OM	AE	2	1	Each	Conveyor 245
7462	OFM	oil reservoir	ELPO	OM	AE	2	1	Each	Conveyor 245 chain lubricator
7463	OFM	gear box - conveyor drive	ELPO	OM	AE	2	1	Each	Conveyor 237
7464	OFM	oil reservoir	ELPO	OM	AE	2	1	Each	Conveyor 237 chain lubricator
7482	OFM	gear box - conveyor drive	ELPO	OM	A	1	2	Each	conveyor 241
7483	OFM	oil reservoir	ELPO	OM	A	1	2	Each	Conveyor 241 chain lubricator
7492	OFM	gear box - conveyor drive	ELPO	OM	C	0	6	Each	roller conveyor
7493	OFM	gear box	ELPO	OM	C	0	2	Each	phosphate - stage 1 deluge spray
7497	OFM	gear box	ELPO	OM	C	0	2	Each	phosphate stage 1 deluge spray
7506	OFM	gear box - over head door	ELPO	02	N	0.9	1	Each	
7509	OFM	gear box - conveyor drive	ELPO	02	M	0.9	1	Each	roller conveyor
7514	OFM	gear box - conveyor drive	ELPO	02	L	0.9	2	Each	roller conveyor
7518	OFM	gear box - conveyor drive	ELPO	02	K	0.9	1	Each	roller conveyor
7519	OFM	gear box	ELPO	02	K	0.9	2	Each	"A" loader
7525	OFM	gear box	ELPO	02	J	0.9	2	Each	"B" loader
7526	OFM	gear box - conveyor drive	ELPO	02	J	0.9	2	Each	roller conveyor
7527	OFM	gear box	ELPO	02	J	0.9	2	Each	"C" loader
7528	OFM	gear box - conveyor drive	ELPO	02	J	0.9	2	Each	roller conveyor
7531	OFM	gear box - conveyor drive	ELPO	OM	H	0.9	1	Each	roller conveyor
7533	OFM	gear box - conveyor drive	ELPO	OM	H	0.9	2	Each	roller conveyor
7556	OFM	gear box - conveyor drive	ELPO	OM	f	1.9	10	Each	roller conveyor
7557	OFM	gear box - conveyor drive	ELPO	OM	J	1.9	5	Each	roller conveyor
7559	OFM	gear box - conveyor drive	ELPO	OM	F	0.9	2	Each	roller conveyor
7567	OFM	elevator	ELPO	OM	H	0.9	2	Each	blower motor
7592	OFM	oil reservoir	ELPO	01	M	0.9	2	Each	35 gal grease lubricators
7610	OFM	gear box	ELPO	01	H	1.9	2	Each	water filter
7620	OFM	gear box - conveyor drive	ELPO	01	D	0.9	1	Each	
7621	OFM	oil reservoir	ELPO	01	D	0.9	1	Each	conveyor chain lubricator
7638	OFM	oil reservoir	ELPO	01	E	0.9	1	Each	30 gal grease lubricator
7500	PIT	pit	ELPO	OM	D	0	1	Each	35' x 5' x 4' - phosphate stage w deluge spray

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7502	PIT	pit	ELPO	OM	E	0	1	Each	40' x 5' x 4' - phosphate stage 2 immersion cleaner
7597	SMP	sump	ELPO	01	K	0.9	1	Each	4' x 2' x 4'
7602	SMP	sump	ELPO	01	S	1.9	1	Each	4' x 2' x 4'
7611	SMP	sump	ELPO	01	H	1.9	1	Each	14' x 9' x 8' - sludge
4836	TNK	water	ELPO	01	B	0.9	2	Each	
4876	TNK	water	ELPO	01	E	0.9	300	Gal	
4877	TNK	acid	ELPO	01	E	0.9	750	Gal	
4878	TNK	water	ELPO	01	E	0.9	750	Gal	
4880	TNK	corrosive	ELPO	01	E	0.9	500	Gal	cleaner day tank
4881	TNK	corrosive	ELPO	01	F	0.9	6503	Gal	cleaner storage tank
4883	TNK	other	ELPO	01	F	0.9	6503	Gal	e-clean storage tank ELPO PARCO prcclean 2990
4891	TNK	other	ELPO	01	H	0.9	150	Gal	Fixodent ZL
4893	TNK	other	ELPO	01	H	0.9	400	Gal	accelerator day tank ELPO
4895	TNK	other	ELPO	01	J	0.9	38500	Gal	2 tanks phosphate dump
4897	TNK	other	ELPO	01	J	0.9	1	6503	Bonderite 958
4898	TNK	other	ELPO	01	K	0.9	1	500	Bonderste 958 phosphate day tank
4899	TNK	acid	ELPO	01	K	0.9	1	500	ST #5 Acid Tank
4911	TNK	water	ELPO	01	K	0.9	1	1000	acid waste water
4916	TNK	water	ELPO	01	L	0.9	1000	Gal	
4932	TNK	other	ELPO	01	L	1.9	1000	1500	anolyte
4937	TNK	corrosive	ELPO	01	K	1.9	25	Gal	acid day tank
4940	TNK	other	ELPO	01	J	1.9	3900	Gal	permeate
4943	TNK	other	ELPO	01	H	0.9	1	Each	Biocide day tank
7535	TNK	phosphate	ELPO	OM	L	0.9	1	Each	16' x 5' x 3' - phosphate stage 8B r.o. rinse
7543	TNK	phosphate	ELPO	OM	L	0.9	1	Each	16' x 5' x 3' - phosphate stage 8A R.O. rinse
7544	TNK	phosphate	ELPO	OM	L	0.9	1	Each	10' x 5' x 3' - phosphate stage 6
7548	TNK	other	ELPO	OM	N	0.9	1	Each	17' x 5' x 3'
7558	TNK	other	ELPO	OM	E	0.9	250	Gal	Unknown
7564	TNK	other	ELPO	OM	G	0.9	1	Each	32' x 5' x 3'
7565	TNK	other	ELPO	OM	H	0.0	1	Each	15' x 5' x 3'
7569	TNK	other	ELPO	OM	J	0.9	300	Gal	appears to be empty
7574	TNK	phosphate	ELPO	OM	J	0.9	1	Each	41' x 5' x 3' - sludge - phosphate stage #5
7590	TNK	resin	ELPO	01	M	0.9	12434	Gal	resin storage tank - fiberglass
7594	TNK	elpo	ELPO	01	M	1.9	25343	Gal	ELPO dump tank - fiberglass
7595	TNK	elpo	ELPO	01	L	0.9	25343	Gal	ELPO dump tank - fiberglass
7599	TNK	other	ELPO	01	K	1.9	2	Each	RO storage tank, 10,536 gal each
7603	TNK	other	ELPO	01	J	1.9	2000	Gal	softener resin tank - fiberglass
7608	TNK	elpo	ELPO	01	J	1.9	15520	Gal	ELPO waste water storage - fiberglass
7609	TNK	other	ELPO	01	H	1.9	15520	Gal	Acid waste water storage - fiberglass
7613	TNK	other	ELPO	01	H	1.9	15520	Gal	Alkaline waste water storage - fiberglass
7639	TNK	water	ELPO	01	E	0.9	200	Gal	waste water
7455	TRN	trench	ELPO	01	J-N	0	1	Each	210' x 3' x 2'

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
7457	TRN	trench	ELPO	01	N-P	0.9	1	Each	115' x 62' x 1'
7583	TRN	trench	ELPO	01	M	0.9	1	Each	trench system - 2' x 1' in containment area
7584	TRN	trench	ELPO	01	M	1.9	1	Each	23' x 2' x 1'
7596	TRN	trench	ELPO	01	L	0.9	1	Each	70' x 2' x 2'
7601	TRN	trench	ELPO	01	J-K	1.9	1	Each	50' x 2' x 2'
1492	BAT	battery bank	GENA	02			2	Each	Substation B - Fire Alarm Panel
1493	BAT	battery bank	GENA	02			2	Each	Substation C Fire Protection Panel
1565	BAT	battery bank	GENA	OR			110	Each	Substation G - McLean panels (22 each)
1570	BAT	fire alarm control panel	GENA	OR			1	Each	Substation G - battery pack
1572	BAT	battery bank	GENA	OR			110	Each	Substation H (McLean Midwest Panels - 22 ea)
1653	BAT	exit sign	GENA	01			4	Each	Main Lobby
1658	BAT	exit sign	GENA	01			1	Each	Security Office
1659	BAT	exit sign	GENA	01			3	Each	Security Office
1660	BAT	emergency light	GENA	01			1	Each	Security Office
1667	BAT	fork truck	GENA	01	AM	31	6	Each	fork truck, battery and recharge station
1668	BAT	fork truck	GENA	01	AM	32	4	Each	fork truck, battery and recharge station
1677	BAT	exit sign	GENA	01	AN	38	1	Each	
1678	BAT	fork truck	GENA	01	AN	38	4	Each	fork truck, battery and recharge station
1681	BAT	exit sign	GENA	01	AN	39	1	Each	
1684	BAT	exit sign	GENA	01	AN	41	1	Each	
1685	BAT	exit sign	GENA	01	AL	43	1	Each	
1692	BAT	fork truck	GENA	01	AM	47	1	Each	Taylor Dunn wagon with battery charge station
1693	BAT	fork truck	GENA	01	AM	49	2	Each	fork truck, battery and recharge station
1694	BAT	fork truck	GENA	01	AM	50	2	Each	fork truck, battery and recharge station
1695	BAT	fork truck	GENA	01	AL	50	2	Each	fork truck, battery and recharge station
1705	BAT	exit sign	GENA	01	AN	57	1	Each	
1707	BAT	exit sign	GENA	01	AL	61	1	Each	
1712	BAT	exit sign	GENA	01	AJ	58	1	Each	
1741	BAT	exit sign	GENA	OM	AF	44	1	Each	
2895	BAT	emergency light	GENA	01	AH	55	1	Each	In pit
2897	BAT	emergency light	GENA	01	AH	59	1	Each	In pit
2900	BAT	emergency light	GENA	01	AF	59	2	Each	In conveyor pit
2904	BAT	emergency light	GENA	01	AE	50	2	Each	In pit
2912	BAT	emergency light	GENA	01	AD	59	4	Each	throughout length of pit
2923	BAT	emergency light	GENA	01	AC	44	2	Each	In personnel tunnel
2924	BAT	emergency light	GENA	01	AC	46	2	Each	In personnel tunnel
2927	BAT	emergency light	GENA	01	AC	41	2	Each	In pit
2932	BAT	emergency light	GENA	01	AC	33	1	Each	In pit
2936	BAT	emergency light	GENA	01	AB	33	2	Each	Throughout length of pit
2946	BAT	emergency light	GENA	01	A	63	1	Each	In pit
2978	BAT	exit sign	GENA	02	AG	48	10	Each	
2986	BAT	equipment	GENA	01	AJ	48	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3024	BAT	equipment	GENA	01	AK	38	1	Each	Electric cart and charging station
3027	BAT	equipment	GENA	01	AK	35	1	Each	electric cart and charging station
3031	BAT	exit sign	GENA	01	AK	31	1	Each	
3073	BAT	exit sign	GENA	01	AG	53	1	Each	
3079	BAT	fire alarm control panel	GENA	01	AH	55	1	Each	
3095	BAT	exit sign	GENA	01	AH	60	1	Each	
3097	BAT	fork truck	GENA	01	AG	59	1	Each	fork truck, battery and recharge station
3099	BAT	exit sign	GENA	01	AF	58	1	Each	
3105	BAT	exit sign	GENA	01	AG	53	1	Each	
3109	BAT	exit sign	GENA	01	AF	53	1	Each	
3111	BAT	exit sign	GENA	01	AF	61	1	Each	
3112	BAT	exit sign	GENA	01	AF	58	1	Each	
3133	BAT	exit sign	GENA	01	AF	43	1	Each	
3161	BAT	emergency light	GENA	01	AD	33	1	Each	stairway to pit
3171	BAT	fire alarm control panel	GENA	01	AD	37	1	Each	
3176	BAT	exit sign	GENA	01	AC	38	1	Each	
3217	BAT	exit sign	GENA	01	AD	43	1	Each	
3277	BAT	automobile	GENA	01	AD	51	2	Each	in power pusher
3304	BAT	automobile	GENA	01	AB	60	2	Each	In power pusher
3345	BAT	emergency light	GENA	01	AC	52	2	Each	In roll test pit
3352	BAT	exit sign	GENA	01	AB	48	1	Each	
3358	BAT	exit sign	GENA	01	AC	43	1	Each	
3377	BAT	exit sign	GENA	01	AB	33	1	Each	
3410	BAT	exit sign	GENA	01	A	31	1	Each	
3411	BAT	exit sign	GENA	01	A	38	1	Each	
3421	BAT	exit sign	GENA	01	A	41	1	Each	
3423	BAT	exit sign	GENA	01	A	43	1	Each	
3432	BAT	fork truck	GENA	01	B	45	1	Each	fork truck, battery and charge station
3472	BAT	emergency light	GENA	01	AC	50	2	Each	in Fori pit
3486	BAT	fire alarm control panel	GENA	01	A	52	1	Each	
3518	BAT	exit sign	GENA	01	A	63	1	Each	
3531	BAT	exit sign	GENA	01	A	65	3	Each	
3543	BAT	emergency light	GENA	01	B	56	1	Each	
3546	BAT	emergency light	GENA	01	B	54	1	Each	
3548	BAT	emergency light	GENA	01	B	53	1	Each	
3552	BAT	exit sign	GENA	01	B	50	1	Each	
3560	BAT	fork truck	GENA	01	AN	32	6	Each	fork truck, battery and recharge station
3561	BAT	fork truck	GENA	01	AN	33	1	Each	fork truck, battery and recharge station
3562	BAT	wagon	GENA	01	AN	35	4	Each	scooter batteries and charging station
3563	BAT	fork truck	GENA	01	AN	37	2	Each	fork truck, battery charging station
3566	BAT	exit sign	GENA	01	AN	37	1	Each	
3585	BAT	fork truck	GENA	01	BM	49	3	Each	fork truck, battery and recharge station

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TABLE 1
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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3586	BAT	fork truck	GENA	01	AM	50	3	Each	fork truck, battery and charge station
3587	BAT	fork truck	GENA	01	AN	51	4	Each	fork truck, battery and recharge station
3588	BAT	fork truck	GENA	01	AN	54	5	Each	fork truck, battery and recharge station
3594	BAT	exit sign	GENA	01	AN	56	1	Each	
3625	BAT	fork truck	GENA	01	AJ	31	4	Each	fork truck, battery and recharge station
3628	BAT	fork truck	GENA	01	AL	33	4	Each	fork truck, battery, recharge station
3666	BAT	electric cart	GENA	01	AF	60	2	Each	
3769	BAT	exit sign	GENA	01	AE	61	1	Each	
3775	BAT	exit sign	GENA	01	AB	64	1	Each	
3777	BAT	exit sign	GENA	01	AB	63	1	Each	
3878	BAT	exit sign	GENA	01	AA	65	1	Each	
3880	BAT	exit sign	GENA	01	AA	65	1	Each	water test booth
3889	BAT	automobile	GENA	01	B	64	1	Each	mobile battery charger
3904	BAT	fork truck	GENA	01	B	45	1	Each	fork truck, battery and recharge station
3913	BAT	fork truck	GENA	01	B	40	17	Each	fork truck, battery and recharge station
3482	BTH	paint	GENA	01	A	50	1	Each	
3886	BTH	wash bay	GENA	01	AA	65	1	Each	water in pit
492	CAP	electrical control panel	GENA	OR	K	4	2	Each	Trane HVAC
1284	CAP	electrical control panel	GENA	OR			1	Each	ASH 180
1387	CAP	electrical control panel	GENA	OM	AH	37	2	Each	Conveyor 782
1483	CAP	substation	GENA	02			1	Each	Substation D
1717	CAP	electrical control panel	GENA	OM	AH	34	1	Each	T625 Belt Lift
2145	CAP	electrical control panel	GENA	OM	AD	41	2	Each	Conveyor 535
2151	CAP	electrical control panel	GENA	OM	AD	42	2	Each	Conveyor 792
2162	CAP	electrical control panel	GENA	OM	AD	45	2	Each	Conveyor 791
2163	CAP	electrical control panel	GENA	OM	AC	42	1	Each	Conveyor 724
2177	CAP	electrical control panel	GENA	OM	A	39	2	Each	Conveyor 522
2208	CAP	electrical control panel	GENA	OM	AC	54	2	Each	Conveyor 538
2776	CAP	electrical control panel	GENA	OM	AC	47	2	Each	Conveyor 536
2780	CAP	electrical control panel	GENA	OM	AA	47	2	Each	Conveyor 539
2789	CAP	electrical control panel	GENA	OM	AJ	51	2	Each	Conveyor 541
2792	CAP	electrical control panel	GENA	OM	AK	53	2	Each	Conveyor 761
2800	CAP	electrical control panel	GENA	OM	AM	47	2	Each	Conveyor 784
2813	CAP	electrical control panel	GENA	OM	AK	59	2	Each	Conveyor 537
2826	CAP	electrical control panel	GENA	OM	AG	59	2	Each	Conveyor 543
2829	CAP	electrical control panel	GENA	OM	AD	55	1	Each	HUB communications unit
2837	CAP	electrical control panel	GENA	01	AH	56	2	Each	Conveyor 549
2844	CAP	electrical control panel	GENA	OM	AA	46	2	Each	Conveyor 530
2849	CAP	electrical control panel	GENA	OM	C	47	2	Each	Conveyor 520
2858	CAP	electrical control panel	GENA	OM	AE	58	2	Each	Conveyor 547
2863	CAP	electrical control panel	GENA	OM	AG	56	2	Each	Conveyor 781
2867	CAP	electrical control panel	GENA	OM	AH	57	2	Each	Main fuel fill system

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2875	CAP	electrical control panel	GENA	01	AB	42	1	Each	
2944	CAP	electrical control panel	GENA	01	A	61	2	Each	on wash machine
3081	CAP	electrical control panel	GENA	01	AH	55	1	Each	gas fill fire panel
3108	CAP	electrical control panel	GENA	01	AG	52	1	Each	Tire delivery
3203	CAP	electrical control panel	GENA	01	AD	40	1	Each	
3218	CAP	electrical control panel	GENA	01	AC	44	1	Each	
3272	CAP	electrical control panel	GENA	01	AC	51	1	Each	
3316	CAP	electrical control panel	GENA	01	AC	52	3	Each	Roll Test #3
3329	CAP	electrical control panel	GENA	01	AC	52	2	Each	Roll Test #5
3341	CAP	electrical control cabinet air	GENA	01	AC	52	3	Each	Roll Test #6
3407	CAP	electrical control panel	GENA	01	AA	33	2	Each	Engine conveyor 722
3441	CAP	electrical control panel	GENA	01	AC	50	1	Each	Fori #1
3448	CAP	electrical control panel	GENA	01	AC	50	1	Each	Fori #2
3454	CAP	electrical control panel	GENA	01	AC	50	1	Each	Fori #3
3460	CAP	electrical control panel	GENA	01	AC	50	1	Each	Fori #4
3466	CAP	electrical control panel	GENA	01	AC	50	1	Each	Fori #5
3490	CAP	electrical control panel	GENA	01	A	52	1	Each	
3870	CAP	electrical control panel	GENA	01	AA	61	1	Each	
463	CFC	chiller	GENA	OR	AA	50	1	Each	240T chiller for paint repair
469	CFC	HVAC unit	GENA	OR	H	51	1	Each	Trane HVAC
472	CFC	chiller	GENA	OR	K	42	1	Each	Baltimore cooling tower - abandoned
475	CFC	chiller	GENA	OR	D	34	1	Each	Gasoline Chiller - glycol
478	CFC	HVAC unit	GENA	OR	D	31	1	Each	Evaporator for north computer room AC
481	CFC	HVAC unit	GENA	OR	F	31	1	Each	Evaporator for HVAC unit
482	CFC	HVAC unit	GENA	OR	J	31	3	Each	Evaporators for Liebert
483	CFC	HVAC unit	GENA	OR	C	29	1	Each	Trane 240T chiller, Unit #2 Admin Building North
484	CFC	HVAC unit	GENA	OR	C	29	1	Each	Trane 240T Chiller Unit #1 Admin Building South
486	CFC	HVAC unit	GENA	OR	B	9	2	Each	Carrier HVAC - abandoned, appear evacuated
487	CFC	HVAC unit	GENA	OR	B	7	2	Each	Carrier HVAC - abandoned, appear evacuated
488	CFC	HVAC unit	GENA	OR	B	6	2	Each	Carrier HVAC - abandoned, appear evacuated
490	CFC	chiller	GENA	OR	E	5	2	Each	Marley Cooling Towers
491	CFC	HVAC unit	GENA	OR	K	4	1	Each	Trane HVAC
494	CFC	HVAC unit	GENA	OR	K	4	1	Each	McQuay HVAC unit - appears abandoned
495	CFC	chiller	GENA	OR	AB	7	3	Each	BAC Cooling Towers
552	CFC	HVAC unit	GENA	OR			1	Each	Trane HVAC located outside training exit to roof
553	CFC	HVAC unit	GENA	OR			1	Each	Trane HVAC - south computer room #1
554	CFC	HVAC unit	GENA	OR			1	Each	Trane HVAC south computer room #2
1378	CFC	electrical control cabinet air	GENA	OM	AJ	34	1	Each	T208 Belt Lift
1379	CFC	electrical control cabinet air	GENA	OM	AJ	33	1	Each	T202 Belt Lift
1381	CFC	electrical control cabinet air	GENA	OM	AH	32	1	Each	T625 Belt Lift
1383	CFC	electrical control cabinet air	GENA	OM	AF	33	1	Each	T601 Belt Lift
1403	CFC	electrical control cabinet air co	GENA	OM	AG	42	1	Each	Vertical Lift 217

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1657	CFC	drinking fountain	GENA	01			1	Each	Security Office
1664	CFC	refrigerated vending machine	GENA	01			1	Each	Security Office
1665	CFC	HVAC unit	GENA	01			1	Each	Security Office - Trane
1666	CFC	freezer/cooler	GENA	01			1	Each	Security Office
1671	CFC	electrical control cabinet air	GENA	01	AM	37	2	Each	
1674	CFC	freezer/cooler	GENA	01	AN	38	1	Each	
1687	CFC	refrigerated vending machine	GENA	01	AN	44	1	Each	
1696	CFC	freezer/cooler	GENA	01	AN	52	2	Each	
1698	CFC	refrigerated vending machine	GENA	01	AN	52	3	Each	
1699	CFC	ice machine	GENA	01	AN	52	1	Each	
1700	CFC	drinking fountain	GENA	01	AN	52	2	Each	
1708	CFC	drinking fountain	GENA	01	AK	61	2	Each	
1710	CFC	freezer/cooler	GENA	01	AK	59	1	Each	
1711	CFC	television	GENA	01	AK	59	1	Each	
1713	CFC	drinking fountain	GENA	01	AK	54	1	Each	
1731	CFC	water cooler	GENA	OM	AG	35	1	Each	
1773	CFC	electrical control cabinet air	GENA	OM	AL	41	1	Each	Seat Delivery System
2097	CFC	electrical control cabinet air	GENA	OM	AL	35	1	Each	
2102	CFC	electrical control cabinet air	GENA	OM	AH	41	1	Each	Conveyor 762
2107	CFC	electrical control cabinet air	GENA	OM	AH	37	1	Each	Conveyor 782
2112	CFC	electrical control cabinet air	GENA	OM	AH	35	1	Each	Conveyor 783
2113	CFC	electrical control cabinet air	GENA	OM	AH	32	1	Each	Conveyor 534 - safety decline
2118	CFC	electrical control cabinet air	GENA	OM	AD	33	1	Each	Conveyor 303
2124	CFC	electrical control cabinet air	GENA	OM	AC	33	1	Each	Conveyor 303
2129	CFC	electrical control cabinet air	GENA	OM	AC	36	1	Each	Conveyor 532
2130	CFC	electrical control cabinet air	GENA	OM	AE	37	1	Each	Conveyor 303
2131	CFC	electrical control cabinet air	GENA	OM	AD	40	1	Each	Conveyor 790
2144	CFC	electrical control cabinet air	GENA	OM	AD	41	1	Each	Conveyor 535
2150	CFC	electrical control cabinet air	GENA	OM	AD	42	1	Each	Conveyor 792
2156	CFC	electrical control cabinet air	GENA	OM	AD	45	1	Each	Conveyor 790
2161	CFC	electrical control cabinet air	GENA	OM	AD	45	1	Each	Conveyor 791
2172	CFC	electrical control cabinet air	GENA	OM	AC	44	1	Each	Conveyor 725
2182	CFC	electrical control cabinet air	GENA	OM	A	39	1	Each	Conveyor 522
2183	CFC	electrical control cabinet air	GENA	OM	A	37	1	Each	Conveyor 523 safety decline
2194	CFC	electrical control cabinet air	GENA	OM	AG	47	1	Each	T501 Belt lift
2196	CFC	electrical control cabinet air	GENA	OM	AF	48	1	Each	Conveyor 546 power decline
2197	CFC	electrical control cabinet air	GENA	OM	AF	48	1	Each	T600 Main Line Lift
2199	CFC	electrical control cabinet air	GENA	OM	AH	46	1	Each	T108 belt lift
2200	CFC	electrical control cabinet air	GENA	OM	AG	46	1	Each	T102 belt lift
2203	CFC	electrical control cabinet air	GENA	OM	AG	47	1	Each	T502 cross transfer lift
2205	CFC	electrical control cabinet air	GENA	OM	AF	47	1	Each	T506 belt lift
2805	CFC	electrical control cabinet air	GENA	OM	AL	50	1	Each	Conveyor 780

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2809	CFC	electrical control cabinet air	GENA	OM	AM	51	1	Each	Conveyor 760
2822	CFC	electrical control cabinet air	GENA	OM	AL	57	1	Each	Conveyor 542
2827	CFC	electrical control cabinet air	GENA	OM	AG	60	1	Each	Conveyor 544 power decline
2828	CFC	electrical control cabinet air	GENA	OM	AE	60	1	Each	Conveyor 548 power decline
2840	CFC	electrical control cabinet air	GENA	OM	AB	50	1	Each	Conveyor 725 safety decline
2869	CFC	chiller	GENA	OM	AH	57	1	Each	
2973	CFC	window/wall air conditioner	GENA	02	B	42	2	Each	
2976	CFC	drinking fountain	GENA	02	AG	48	4	Each	
2981	CFC	refrigerated vending machine	GENA	02	AG	48	1	Each	
2983	CFC	dehumidifier	GENA	02	AG	48	1	Each	
2984	CFC	freezer/cooler	GENA	02	AG	48	1	Each	
3005	CFC	freezer/cooler	GENA	01	AL	46	1	Each	
3020	CFC	freezer/cooler	GENA	01	AK	42	1	Each	
3021	CFC	drinking fountain	GENA	01	AK	42	1	Each	
3023	CFC	drinking fountain	GENA	01	AJ	40	1	Each	
3028	CFC	refrigerated vending machine	GENA	01	AL	33	1	Each	
3030	CFC	ice machine	GENA	01	AK	33	1	Each	
3032	CFC	drinking fountain	GENA	01	AJ	31	2	Each	
3044	CFC	freezer/cooler	GENA	01	AH	34	1	Each	
3049	CFC	freezer/cooler	GENA	01	AH	36	1	Each	
3050	CFC	freezer/cooler	GENA	01	AH	39	1	Each	
3051	CFC	drinking fountain	GENA	01	AH	39	1	Each	
3053	CFC	drinking fountain	GENA	01	AG	40	1	Each	
3055	CFC	drinking fountain	GENA	01	AH	43	1	Each	
3057	CFC	freezer/cooler	GENA	01	AH	43	1	Each	
3068	CFC	freezer/cooler	GENA	01	AH	50	1	Each	
3070	CFC	drinking fountain	GENA	01	AH	51	1	Each	
3072	CFC	drinking fountain	GENA	01	AG	53	1	Each	
3076	CFC	freezer/cooler	GENA	01	AH	54	1	Each	
3082	CFC	drinking fountain	GENA	01	AH	56	1	Each	
3096	CFC	refrigerated vending machine	GENA	01	AJ	61	1	Each	
3098	CFC	drinking fountain	GENA	01	AF	59	1	Each	
3101	CFC	freezer/cooler	GENA	01	AG	57	1	Each	
3103	CFC	drinking fountain	GENA	01	AF	57	1	Each	
3104	CFC	drinking fountain	GENA	01	AF	54	1	Each	
3114	CFC	electrical control cabinet air	GENA	01	AG	51	1	Each	#199 RT Wheel
3115	CFC	drinking fountain	GENA	01	AF	51	1	Each	
3116	CFC	electrical control cabinet air	GENA	01	AG	51	1	Each	#200 LT Wheel
3118	CFC	freezer/cooler	GENA	01	AG	50	1	Each	
3130	CFC	electrical control cabinet air	GENA	01	AG	45	1	Each	CNB 16 node 6
3132	CFC	electrical control cabinet air	GENA	01	AG	43	1	Each	MORW 1127
3134	CFC	freezer/cooler	GENA	01	AG	42	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3136	CFC	er	GENA	01	AG	40	1	Each	
3137	CFC	drinking fountain	GENA	01	AG	36	1	Each	
3139	CFC	freezer/cooler	GENA	01	AG	36	1	Each	
3159	CFC	freezer/cooler	GENA	01	AD	31	1	Each	
3162	CFC	freezer/cooler	GENA	01	AD	33	1	Each	
3166	CFC	drinking fountain	GENA	01	AD	35	1	Each	
3172	CFC	drinking fountain	GENA	01	AD	37	1	Each	
3174	CFC	freezer/cooler	GENA	01	AD	37	1	Each	
3177	CFC	drinking fountain	GENA	01	AD	38	1	Each	
3213	CFC	electrical control cabinet air	GENA	01	AD	41	1	Each	Brake fluid processor
3215	CFC	drinking fountain	GENA	01	AD	42	1	Each	
3227	CFC	drinking fountain	GENA	01	AD	45	1	Each	
3259	CFC	freezer/cooler	GENA	01	AD	47	1	Each	
3269	CFC	AC charging sysem	GENA	01	AC	50	1	Each	
3280	CFC	drinking fountain	GENA	01	AD	52	2	Each	
3283	CFC	drinking fountain	GENA	01	AC	54	1	Each	
3291	CFC	drinking fountain	GENA	01	AD	57	1	Each	
3302	CFC	freezer/cooler	GENA	01	AD	60	1	Each	
3315	CFC	electrical control cabinet air	GENA	01	AC	52	1	Each	Roll Test #2
3318	CFC	electrical control cabinet air	GENA	01	AC	52	3	Each	Roll Test #3
3325	CFC	electrical control cabinet air	GENA	01	AC	52	3	Each	Roll Test #4
3332	CFC	electrical control cabinet air	GENA	01	AC	52	3	Each	Roll Test #6
3359	CFC	freezer/cooler	GENA	01	AB	43	1	Each	
3362	CFC	freezer/cooler	GENA	01	AC	42	1	Each	
3373	CFC	drinking fountain	GENA	01	AB	36	1	Each	
3375	CFC	freezer/cooler	GENA	01	AC	34	1	Each	
3402	CFC	electrical control cabinet air	GENA	01	AB	35	1	Each	
3403	CFC	drinking fountain	GENA	01	AA	36	1	Each	
3409	CFC	electrical control cabinet air	GENA	01	AA	33	1	Each	Engine conveyor 721
3413	CFC	drinking fountain	GENA	01	A	39	1	Each	
3414	CFC	freezer/cooler	GENA	01	A	39	1	Each	
3418	CFC	drinking fountain	GENA	01	B	41	1	Each	
3427	CFC	electrical control cabinet air	GENA	01	A	43	1	Each	
3428	CFC	drinking fountain	GENA	01	A	44	1	Each	
3429	CFC	freezer/cooler	GENA	01	A	44	1	Each	
3433	CFC	drinking fountain	GENA	01	B	46	1	Each	
3439	CFC	window/wall air conditioner	GENA	01	A	48	2	Each	
3445	CFC	electrical control cabinet air	GENA	01	AC	50	3	Each	Fori #1
3451	CFC	electrical control cabinet air	GENA	01	AC	50	7	Each	Fori #2
3457	CFC	electrical control panel	GENA	01	AC	50	3	Each	Fori #3
3463	CFC	electrical control panel	GENA	01	AC	50	3	Each	Fori #4
3469	CFC	electrical control panel	GENA	01	AC	50	3	Each	Fori #5

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3476	CFC	drinking fountain	GENA	01	AB	51	1	Each	
3477	CFC	drinking fountain	GENA	01	A	50	1	Each	
3488	CFC	electrical control cabinet air	GENA	01	A	52	1	Each	
3494	CFC	freezer/cooler	GENA	01	A	54	1	Each	
3497	CFC	drinking fountain	GENA	01	B	56	1	Each	
3502	CFC	window/wall air conditioner	GENA	01	A	56	1	Each	
3505	CFC	freezer/cooler	GENA	01	A	58	1	Each	
3513	CFC	drinking fountain	GENA	01	B	62	1	Each	
3538	CFC	drinking fountain	GENA	01	B	60	1	Each	
3569	CFC	electrical control cabinet air	GENA	01	AM	38	1	Each	
3579	CFC	drinking fountain	GENA	01	AN	44	2	Each	
3596	CFC	drinking fountain	GENA	01	AK	58	1	Each	
3597	CFC	freezer/cooler	GENA	01	AK	54	2	Each	
3600	CFC	freezer/cooler	GENA	01	AL	52	1	Each	
3603	CFC	drinking fountain	GENA	01	AK	50	1	Each	
3606	CFC	freezer/cooler	GENA	01	AL	47	1	Each	
3607	CFC	drinking fountain	GENA	01	AL	47	1	Each	
3621	CFC	drinking fountain	GENA	01	AK	37	1	Each	
3623	CFC	freezer/cooler	GENA	01	Ak	34	2	Each	
3633	CFC	drinking fountain	GENA	01	AJ	36	1	Each	
3634	CFC	freezer/cooler	GENA	01	AJ	36	1	Each	
3636	CFC	freezer/cooler	GENA	01	AJ	39	1	Each	
3639	CFC	drinking fountain	GENA	01	AH	39	1	Each	
3640	CFC	freezer/cooler	GENA	01	AJ	40	1	Each	
3642	CFC	drinking fountain	GENA	01	AJ	40	1	Each	
3643	CFC	freezer/cooler	GENA	01	AJ	41	1	Each	
3648	CFC	freezer/cooler	GENA	01	AJ	45	1	Each	
3650	CFC	freezer/cooler	GENA	01	AJ	46	1	Each	
3652	CFC	drinking fountain	GENA	01	AJ	46	1	Each	
3653	CFC	drinking fountain	GENA	01	AJ	47	1	Each	
3654	CFC	freezer/cooler	GENA	01	AJ	51	2	Each	
3658	CFC	drinking fountain	GENA	01	AJ	52	1	Each	
3660	CFC	drinking fountain	GENA	01	AJ	55	1	Each	
3662	CFC	freezer/cooler	GENA	01	AH	58	1	Each	
3664	CFC	drinking fountain	GENA	01	AJ	61	2	Each	
3665	CFC	window/wall air conditioner	GENA	01	AF	61	2	Each	
3667	CFC	freezer/cooler	GENA	01	AF	61	1	Each	
3673	CFC	drinking fountain	GENA	01	AF	56	1	Each	
3675	CFC	drinking fountain	GENA	01	AF	54	1	Each	
3677	CFC	drinking fountain	GENA	01	AF	53	1	Each	
3679	CFC	freezer/cooler	GENA	01	AF	49	1	Each	
3682	CFC	ice machine	GENA	01	AF	49	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3684	CFC	refrigerated vending machine	GENA	01	AF	49	2	Each	
3694	CFC	drinking fountain	GENA	01	AF	42	1	Each	
3698	CFC	freezer/cooler	GENA	01	AF	39	1	Each	
3704	CFC	drinking fountain	GENA	01	AE	36	1	Each	
3705	CFC	freezer/cooler	GENA	01	AF	34	1	Each	
3712	CFC	freezer/cooler	GENA	01	AE	41	1	Each	
3714	CFC	drinking fountain	GENA	01	AE	44	1	Each	
3715	CFC	electrical control cabinet air	GENA	01	AE	44	1	Each	
3717	CFC	freezer/cooler	GENA	01	AE	44	1	Each	
3719	CFC	drinking fountain	GENA	01	AE	45	1	Each	
3721	CFC	freezer/cooler	GENA	01	AE	46	1	Each	
3722	CFC	drinking fountain	GENA	01	AE	47	1	Each	
3734	CFC	drinking fountain	GENA	01	AE	53	1	Each	
3735	CFC	freezer/cooler	GENA	01	AE	53	1	Each	
3738	CFC	drinking fountain	GENA	01	AE	55	1	Each	
3743	CFC	freezer/cooler	GENA	01	AE	56	1	Each	
3746	CFC	drinking fountain	GENA	01	AE	36	1	Each	
3749	CFC	freezer/cooler	GENA	01	AE	38	1	Each	
3755	CFC	ice machine	GENA	01	AE	40	1	Each	
3756	CFC	refrigerated vending machine	GENA	01	AE	40	2	Each	
3757	CFC	drinking fountain	GENA	01	AE	40	1	Each	
3758	CFC	freezer/cooler	GENA	01	AE	40	1	Each	
3764	CFC	freezer/cooler	GENA	01	AE	57	1	Each	
3765	CFC	drinking fountain	GENA	01	AE	57	1	Each	
3770	CFC	freezer/cooler	GENA	01	AD	61	1	Each	
3773	CFC	electrical control cabinet air	GENA	01	AB	64	1	Each	
3774	CFC	drinking fountain	GENA	01	AB	64	1	Each	
3782	CFC	drinking fountain	GENA	01	AA	59	1	Each	
3785	CFC	freezer/cooler	GENA	01	AA	54	1	Each	
3787	CFC	drinking fountain	GENA	01	AA	57	1	Each	
3788	CFC	ice machine	GENA	01	AA	58	1	Each	
3789	CFC	refrigerated vending machine	GENA	01	AA	58	1	Each	
3790	CFC	window/wall air conditioner	GENA	01	AA	59	1	Each	
3792	CFC	freezer/cooler	GENA	01	AA	59	1	Each	
3796	CFC	ice machine	GENA	01	AB	47	1	Each	
3797	CFC	refrigerated vending machine	GENA	01	AB	47	1	Each	
3801	CFC	freezer/cooler	GENA	01	AB	46	1	Each	
3807	CFC	drinking fountain	GENA	01	AA	45	1	Each	
3809	CFC	drinking fountain	GENA	01	AB	43	1	Each	
3813	CFC	freezer/cooler	GENA	01	AB	42	1	Each	
3815	CFC	freezer/cooler	GENA	01	AB	42	1	Each	
3819	CFC	freezer/cooler	GENA	01	AB	39	2	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3825	CFC	drinking fountain	GENA	01	AA	38	1	Each	
3831	CFC	drinking fountain	GENA	01	AB	36	1	Each	
3841	CFC	freezer/cooler	GENA	01	AA	37	1	Each	
3847	CFC	electrical control cabinet air	GENA	01	AA	38	1	Each	
3848	CFC	freezer/cooler	GENA	01	AA	38	1	Each	
3851	CFC	drinking fountain	GENA	01	A	39	1	Each	
3854	CFC	drinking fountain	GENA	01	A	41	1	Each	
3855	CFC	ice machine	GENA	01	AA	41	1	Each	
3856	CFC	refrigerated vending machine	GENA	01	AA	41	1	Each	
3862	CFC	drinking fountain	GENA	01	A	44	1	Each	
3892	CFC	electrical control cabinet air	GENA	01	B	56	1	Each	
3907	CFC	drinking fountain	GENA	01	C	42	1	Each	
3910	CFC	freezer/cooler	GENA	01	B	41	1	Each	
511	CNT	pail	GENA	OR			15	Gal	Big Boss Degreaser - east penthouse
558	CNT	pail	GENA	OR			80	Gal	Roof patch material - east penthouse utility room
1406	CNT	drum	GENA	OM	AL	35	30	Gal	Grease
1688	CNT	drum	GENA	01	AM	46	2	Each	Fad Betaseal 15955N (55 gal ea)
1689	CNT	pail	GENA	01	AM	46	3	Each	Glass Primer 9985395
1714	CNT	pail	GENA	01	AK	54	2	Each	NS 2594-G Lubricant
1715	CNT	pail	GENA	01	AK	53	1	Each	FCR 400 Rubber Lub
1725	CNT	drum	GENA	OM	AG	35	1	Each	30 gal grease
1740	CNT	drum	GENA	OM	AF	39	1	Each	30 gal grease
2119	CNT	pail	GENA	OM	AD	33	2	Each	5 gal pails grease
2785	CNT	drum	GENA	OM	AJ	48	1	Each	30 gal grease
2793	CNT	drum	GENA	OM	AK	53	1	Each	30 gal grease
2818	CNT	drum	GENA	OM	AL	57	1	Each	30 gal grease
2830	CNT	drum	GENA	OM	AD	55	3	Each	Service center for conveyors 30 gallons grease
2832	CNT	pail	GENA	OM	AD	55	1	Each	Service Center for Conveyors 5 gal oil
2851	CNT	drum	GENA	OM	C	44	3	Each	30 gal grease
2854	CNT	drum	GENA	OM	AB	42	1	Each	55 gal unknown contents
2903	CNT	drum	GENA	01	AF	52	1	Each	In pit
2916	CNT	pail	GENA	01	AD	53	1	Each	5 gal acrylic sealer
2917	CNT	pail	GENA	01	AD	53	1	Each	30 gal grease
2921	CNT	pail	GENA	01	AD	50	2	Each	5 gal pails of oil
2998	CNT	drum	GENA	01	AK	46	3	Each	55 gal BetaSeal
3008	CNT	pail	GENA	01	AK	44	1	Each	5 gal urathane adhesive
3011	CNT	drum	GENA	01	AK	44	5	Each	55 gal urathane adhesive
3012	CNT	pail	GENA	01	AK	44	6	Each	5 gal urathane adhesive
3056	CNT	pail	GENA	01	AH	43	1	Each	5 gal degreaser
3074	CNT	pail	GENA	01	AH	52	1	Each	5 gal cleaner/degreaser
3091	CNT	drum	GENA	01	AH	57	1	Each	55 gal drum hazardous waste (gasoline)
3094	CNT	drum	GENA	01	AH	59	1	Each	30 gal grease

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3204	CNT	tote	GENA	01	AD	39	1	Each	150 gal DEXRON VI ATF
3206	CNT	drum	GENA	01	AD	39	1	Each	50 gal used oil
3207	CNT	tote	GENA	01	AD	40	3	Each	250 gal each DEXRON VI ATF
3208	CNT	drum	GENA	01	AD	40	2	Each	50 gal each used oil
3211	CNT	tote	GENA	01	AD	41	1	Each	300 gal each brake fluid
3261	CNT	drum	GENA	01	AD	49	1	Each	50 gal used oil
3275	CNT	drum	GENA	01	AD	50	1	Each	Lubricant
3290	CNT	drum	GENA	01	AD	56	1	Each	Power steering fluid
3295	CNT	pail	GENA	01	AD	57	1	Each	5 gal waste brake fluid
3300	CNT	drum	GENA	01	AD	59	6	Each	50 gal used oil
3301	CNT	pail	GENA	01	AD	60	1	Each	5 gal absorbant
3350	CNT	drum	GENA	01	AC	52	1	Each	In roll test pit 30 gal grease
3367	CNT	pail	GENA	01	AC	41	2	Each	5 gal FCR 400 rubber lubricant
3372	CNT	pail	GENA	01	AC	38	2	Each	5 gal UCON coating fluid LB-285-y3
3394	CNT	pail	GENA	01	AB	34	2	Each	5 gal OILSO 174
3400	CNT	drum	GENA	01	AA	35	1	Each	30 gal grease
3408	CNT	drum	GENA	01	A	33	1	Each	30 gal grease
3412	CNT	drum	GENA	01	A	38	1	Each	50 gal lubricant
3473	CNT	drum	GENA	01	AC	50	1	Each	in Fori pit 30 gal grease
3474	CNT	pail	GENA	01	AC	50	1	Each	in Fori pit 5 gal grease
3478	CNT	drum	GENA	01	A	50	4	Each	50 gal scale remover 9F
3483	CNT	pail	GENA	01	A	50	3	Each	solvent
3536	CNT	pail	GENA	01	A	65	2	Each	in shake and rattle pit - 5 gal remulti-SE
3555	CNT	pail	GENA	01	B	50	7	Each	5 gallons each of paint
3580	CNT	pail	GENA	01	AM	46	14	Each	5 gal glass primer
3581	CNT	drum	GENA	01	AM	46	1	Each	50 gal glass primer hazardous waste
3582	CNT	bottle	GENA	01	AM	46	120	Each	1 quart glass primer
3589	CNT	pail	GENA	01	AN	54	1	Each	5 gal degreaser
3609	CNT	pail	GENA	01	AL	46	6	Each	5 gal total - oil.lubricant
3617	CNT	drum	GENA	01	AL	44	2	Each	50 gal urethane adhesive
3620	CNT	pail	GENA	01	AK	38	2	Each	5 gal rubber lubricant
3632	CNT	pail	GENA	01	AJ	35	2	Each	5 gal degreaser
3732	CNT	drum	GENA	01	AE	52	2	Each	50 gal gear oil
3742	CNT	pail	GENA	01	AE	55	1	Each	5 gal degreaser
3752	CNT	drum	GENA	01	AE	39	1	Each	50 gal used oil
3754	CNT	tote	GENA	01	AE	39	1	Each	150 gal DEXRON VI ATF
3837	CNT	pail	GENA	01	AA	36	1	Each	5 gal Canopus 19 oil
3850	CNT	pail	GENA	01	AA	38	1	Each	5 gal degreaser
3867	CNT	pail	GENA	01	AA	60	5	Each	5 gal oxidizer
3883	CNT	drum	GENA	01	AA	65	1	Each	50 gal chemical treatment CL-215 water test booth
3895	CNT	drum	GENA	01	B	57	3	Each	30 gal grease lubricator
3899	CNT	drum	GENA	01	C	57	1	Each	30 gal grease lubricator

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3901	CNT	drum	GENA	01	B	50	2	Each	50 gal xylene solvant
3902	CNT	pail	GENA	01	B	50	2	Each	5 gal pail xylene
2174	CRA	overhead crane	GENA	OM	AA	44	6	Each	Canadian overhead crane
3659	CRA	overhead crane	GENA	01	AJ	53	2	Each	1,000 lb unit
1390	CRT	control panel CRT	GENA	OM	AH	37	1	Each	Conveyor 782
1394	CRT	control panel CRT	GENA	OM	AH	44	1	Each	Seat Delivery System
1395	CRT	control panel CRT	GENA	OM	AF	45	1	Each	Lift 209
1396	CRT	control panel CRT	GENA	OM	AG	45	1	Each	Lift 309
1449	CRT	control panel CRT	GENA	OM	AL	57	1	Each	Conveyor 751
1654	CRT	television	GENA	01			1	Each	Main Lobby
1662	CRT	television	GENA	01			2	Each	Security Office
1663	CRT	computer monitor	GENA	01			12	Each	Security Office
1670	CRT	control panel CRT	GENA	01	AM	37	2	Each	
1675	CRT	television	GENA	01	AN	39	1	Each	
1676	CRT	computer monitor	GENA	01	AN	38	1	Each	
1697	CRT	television	GENA	01	AN	52	2	Each	
1709	CRT	computer monitor	GENA	01	AK	60	1	Each	
1716	CRT	computer monitor	GENA	01	AK	49	1	Each	
1718	CRT	control panel CRT	GENA	OM	AH	34	1	Each	T625 Belt Lift
1720	CRT	control panel CRT	GENA	OM	AH	34	2	Each	T625 Belt Lift
1721	CRT	computer monitor	GENA	OM	AH	34	1	Each	T625 Belt Lift
1727	CRT	computer monitor	GENA	OM	AG	36	2	Each	
1728	CRT	control panel CRT	GENA	OM	AF	36	1	Each	
1732	CRT	control panel CRT	GENA	OM	AF	35	1	Each	
1772	CRT	control panel CRT	GENA	OM	AL	40	1	Each	
2096	CRT	control panel CRT	GENA	OM	AL	35	1	Each	
2101	CRT	control panel CRT	GENA	OM	AH	41	1	Each	Conveyor 762
2106	CRT	control panel CRT	GENA	OM	AH	37	1	Each	Conveyor 782
2111	CRT	control panel CRT	GENA	OM	AH	35	1	Each	Conveyor 783
2117	CRT	control panel CRT	GENA	OM	AD	33	1	Each	Conveyor 303
2123	CRT	control panel CRT	GENA	OM	AC	33	1	Each	Conveyor 533
2128	CRT	control panel CRT	GENA	OM	AC	36	1	Each	Conveyor 532
2143	CRT	control panel CRT	GENA	OM	AD	41	1	Each	Conveyor 535
2149	CRT	control panel CRT	GENA	OM	AD	42	2	Each	Conveyor 792
2155	CRT	control panel CRT	GENA	OM	AD	45	1	Each	Conveyor 790
2160	CRT	control panel CRT	GENA	OM	AD	45	1	Each	Conveyor 791
2167	CRT	control panel CRT	GENA	OM	AC	42	1	Each	Conveyor 724
2171	CRT	control panel CRT	GENA	OM	AC	44	1	Each	Conveyor 725
2173	CRT	control panel CRT	GENA	OM	AD	42	1	Each	Conveyor 721 drive 1
2181	CRT	control panel CRT	GENA	OM	A	39	1	Each	Conveyor 522
2190	CRT	control panel CRT	GENA	01	AD	35	1	Each	overhead
2773	CRT	control panel CRT	GENA	OM	AB	48	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2782	CRT	control panel CRT	GENA	OM	AC	48	1	Each	Conveyor 532 safety decline
2797	CRT	control panel CRT	GENA	OM	AK	50	1	Each	Conveyor 540
2810	CRT	control panel CRT	GENA	OM	AM	51	1	Each	Conveyor 760
2864	CRT	control panel CRT	GENA	OM	AG	56	1	Each	Conveyor 781
2975	CRT	computer monitor	GENA	02	B	42	2	Each	
2979	CRT	computer monitor	GENA	02	AG	48	13	Each	
2980	CRT	control panel CRT	GENA	02	AG	48	1	Each	
2982	CRT	television	GENA	02	AG	48	1	Each	
2989	CRT	control panel CRT	GENA	01	AK	48	1	Each	Vertical lift VLH05
2991	CRT	computer monitor	GENA	01	AK	47	1	Each	on vertical lift VLH05
2995	CRT	control panel CRT	GENA	01	AK	47	1	Each	
2996	CRT	control panel CRT	GENA	01	AK	47	1	Each	
3000	CRT	control panel CRT	GENA	01	AK	46	4	Each	Nordson
3002	CRT	computer monitor	GENA	01	AK	46	4	Each	
3003	CRT	television	GENA	01	AK	46	1	Each	
3006	CRT	control panel CRT	GENA	01	AL	45	1	Each	
3014	CRT	computer monitor	GENA	01	AK	44	2	Each	
3015	CRT	control panel CRT	GENA	01	AK	44	3	Each	
3019	CRT	television	GENA	01	AK	42	1	Each	
3022	CRT	control panel CRT	GENA	01	AK	40	1	Each	overhead
3025	CRT	computer monitor	GENA	01	AK	38	1	Each	
3026	CRT	control panel CRT	GENA	01	AK	38	1	Each	
3029	CRT	computer monitor	GENA	01	AK	33	3	Each	
3033	CRT	computer monitor	GENA	01	AH	31	2	Each	
3038	CRT	control panel CRT	GENA	01	AJ	33	1	Each	T208
3039	CRT	control panel CRT	GENA	01	AJ	33	1	Each	UDCNT221
3040	CRT	control panel CRT	GENA	01	AH	33	1	Each	T202
3043	CRT	television	GENA	01	AH	34	1	Each	
3046	CRT	control panel CRT	GENA	01	AH	36	2	Each	Q1/PV600
3047	CRT	computer monitor	GENA	01	AH	36	3	Each	
3048	CRT	television	GENA	01	AH	36	1	Each	
3052	CRT	television	GENA	01	AH	39	1	Each	
3054	CRT	computer monitor	GENA	01	AH	41	1	Each	
3058	CRT	television	GENA	01	AH	43	1	Each	
3059	CRT	control panel CRT	GENA	01	AH	45	1	Each	Line tracking console
3061	CRT	control panel CRT	GENA	01	AH	45	1	Each	T108
3064	CRT	control panel CRT	GENA	01	AH	47	1	Each	T501
3065	CRT	control panel CRT	GENA	01	AH	49	1	Each	Line Tracking
3066	CRT	computer monitor	GENA	01	AH	50	2	Each	
3069	CRT	television	GENA	01	AH	50	1	Each	
3075	CRT	computer monitor	GENA	01	AH	54	1	Each	
3077	CRT	television	GENA	01	AH	54	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3078	CRT	control panel CRT	GENA	01	AH	54	1	Each	
3084	CRT	computer monitor	GENA	01	AH	56	1	Each	final fluid deck
3087	CRT	control panel CRT	GENA	01	AH	56	6	Each	HMI nodes
3089	CRT	control panel CRT	GENA	01	AH	57	5	Each	
3090	CRT	computer monitor	GENA	01	AH	57	1	Each	
3092	CRT	control panel CRT	GENA	01	AH	57	1	Each	
3100	CRT	control panel CRT	GENA	01	AG	58	1	Each	Line tracking
3102	CRT	computer monitor	GENA	01	AG	57	1	Each	
3107	CRT	control panel CRT	GENA	01	AG	52	1	Each	Tire delivery
3113	CRT	control panel CRT	GENA	01	AG	51	1	Each	#199 RT Wheel
3117	CRT	control panel CRT	GENA	01	AG	51	1	Each	#200 LT Wheel
3119	CRT	television	GENA	01	AG	50	1	Each	
3120	CRT	computer monitor	GENA	01	AG	48	1	Each	
3125	CRT	control panel CRT	GENA	01	AG	46	1	Each	T102
3126	CRT	computer monitor	GENA	01	AG	45	1	Each	
3127	CRT	control panel CRT	GENA	01	AG	45	1	Each	MORW1082
3128	CRT	control panel CRT	GENA	01	AG	45	1	Each	CNB 16 node 6
3131	CRT	control panel CRT	GENA	01	AG	43	1	Each	MORW 1127
3135	CRT	television	GENA	01	AG	42	1	Each	
3138	CRT	computer monitor	GENA	01	AG	36	1	Each	
3140	CRT	television	GENA	01	AG	36	1	Each	
3141	CRT	computer monitor	GENA	01	AG	34	1	Each	
3143	CRT	control panel CRT	GENA	01	AG	34	1	Each	Line tracking
3144	CRT	control panel CRT	GENA	01	AG	34	1	Each	SVL #1
3147	CRT	computer monitor	GENA	01	AG	35	2	Each	
3148	CRT	control panel CRT	GENA	01	AG	35	1	Each	NVL #2
3156	CRT	control panel CRT	GENA	01	AG	33	1	Each	T625
3158	CRT	control panel CRT	GENA	01	AF	33	1	Each	T601
3160	CRT	television	GENA	01	AD	31	1	Each	
3163	CRT	television	GENA	01	AD	33	1	Each	
3164	CRT	control panel CRT	GENA	01	AD	34	1	Each	Line tracking
3167	CRT	control panel CRT	GENA	01	AD	35	1	Each	Remote HMI
3168	CRT	control panel CRT	GENA	01	AD	35	1	Each	UDCNT 231
3169	CRT	control panel CRT	GENA	01	AD	36	1	Each	Remote HMI
3170	CRT	control panel CRT	GENA	01	AD	36	4	Each	DEVICENET panel
3173	CRT	television	GENA	01	AD	37	1	Each	
3178	CRT	control panel CRT	GENA	01	AD	38	1	Each	Line tracking
3179	CRT	computer monitor	GENA	01	AD	38	1	Each	
3182	CRT	control panel CRT	GENA	01	AC	39	1	Each	
3187	CRT	control panel CRT	GENA	01	AD	39	1	Each	Front Axle Fill #2
3189	CRT	control panel CRT	GENA	01	AD	40	1	Each	MD Brake Test T88841L #2
3190	CRT	control panel CRT	GENA	01	AD	39	1	Each	Transmission Fill 2

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3191	CRT	control panel CRT	GENA	01	AD	40	1	Each	Brake Test T88841L #1
3192	CRT	control panel CRT	GENA	01	AD	40	1	Each	
3193	CRT	control panel CRT	GENA	01	AD	40	1	Each	Front axle fill #1
3194	CRT	control panel CRT	GENA	01	AD	40	1	Each	Transmission fill #1
3195	CRT	control panel CRT	GENA	01	AD	39	1	Each	MD Brake Tester T88811L #5
3197	CRT	control panel CRT	GENA	01	AD	39	1	Each	MD Brake Tester T88811L #4
3198	CRT	control panel CRT	GENA	01	AD	39	1	Each	MD Brake Tester T88811L #3
3199	CRT	control panel CRT	GENA	01	AD	39	1	Each	Front axle fill #3
3200	CRT	control panel CRT	GENA	01	AD	39	1	Each	Transmission fill #3
3201	CRT	control panel CRT	GENA	01	AD	39	1	Each	Transmission fill #4
3202	CRT	control panel CRT	GENA	01	AD	39	1	Each	Front axle fill #4
3205	CRT	computer monitor	GENA	01	AD	39	1	Each	
3209	CRT	control panel CRT	GENA	01	AD	40	1	Each	Brake evac & fill #5
3210	CRT	control panel CRT	GENA	01	AD	41	1	Each	
3212	CRT	control panel CRT	GENA	01	AD	41	1	Each	Brake Fluid Processor
3216	CRT	computer monitor	GENA	01	AD	42	1	Each	
3220	CRT	control panel CRT	GENA	01	AD	44	3	Each	
3223	CRT	control panel CRT	GENA	01	AD	43	1	Each	
3226	CRT	control panel CRT	GENA	01	AD	45	1	Each	
3228	CRT	computer monitor	GENA	01	AC	46	1	Each	
3229	CRT	computer monitor	GENA	01	AD	44	3	Each	
3234	CRT	control panel CRT	GENA	01	AD	45	1	Each	
3235	CRT	control panel CRT	GENA	01	UDCNT		1	Each	
3258	CRT	computer monitor	GENA	01	AD	45	1	Each	
3260	CRT	television	GENA	01	AD	47	1	Each	
3262	CRT	control panel CRT	GENA	01	AD	49	1	Each	Brake probe tester
3263	CRT	computer monitor	GENA	01	AC	49	1	Each	
3264	CRT	control panel CRT	GENA	01	AC	49	1	Each	
3270	CRT	control panel CRT	GENA	01	AC	51	2	Each	
3271	CRT	computer monitor	GENA	01	AC	51	3	Each	
3281	CRT	computer monitor	GENA	01	AD	52	1	Each	
3282	CRT	computer monitor	GENA	01	AD	53	4	Each	
3286	CRT	computer monitor	GENA	01	AD	55	1	Each	
3293	CRT	control panel CRT	GENA	01	AD	57	1	Each	Brake probe tester
3298	CRT	computer monitor	GENA	01	AD	59	1	Each	
3303	CRT	television	GENA	01	AD	60	1	Each	
3307	CRT	control panel CRT	GENA	01	AC	56	1	Each	
3308	CRT	computer monitor	GENA	01	AC	56	1	Each	
3309	CRT	control panel CRT	GENA	01	AC	52	1	Each	Roll Test #1
3310	CRT	computer monitor	GENA	01	AC	52	2	Each	Roll Test #1
3311	CRT	television	GENA	01	AC	52	1	Each	Roll Test #1
3313	CRT	control panel CRT	GENA	01	AC	52	2	Each	Roll Test #2

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3314	CRT	computer monitor	GENA	01	AC	52	2	Each	Roll Test #2
3317	CRT	control panel CRT	GENA	01	AC	52	1	Each	Roll Test #3
3319	CRT	television	GENA	01	AC	52	1	Each	Roll Test #3
3321	CRT	computer monitor	GENA	01	AC	52	2	Each	Roll Test #3
3322	CRT	television	GENA	01	AC	52	1	Each	Roll Test #4
3324	CRT	control panel CRT	GENA	01	AC	52	1	Each	Roll Test #4
3326	CRT	computer monitor	GENA	01	AC	52	1	Each	Roll Test #4
3327	CRT	computer monitor	GENA	01	AC	52	2	Each	Roll Test #5
3328	CRT	control panel CRT	GENA	01	AC	52	1	Each	Roll Test #5
3331	CRT	television	GENA	01	AC	52	1	Each	Roll Test #5
3333	CRT	control panel CRT	GENA	01	AC	52	1	Each	Roll Test #6
3334	CRT	computer monitor	GENA	01	AC	52	2	Each	Roll Test #6
3335	CRT	television	GENA	01	AC	52	1	Each	Roll Test #6
3355	CRT	control panel CRT	GENA	01	AC	46	2	Each	
3360	CRT	computer monitor	GENA	01	AC	42	2	Each	
3361	CRT	television	GENA	01	AC	42	1	Each	
3369	CRT	computer monitor	GENA	01	AC	39	1	Each	
3370	CRT	computer monitor	GENA	01	AC	38	1	Each	
3371	CRT	control panel CRT	GENA	01	AC	38	1	Each	
3376	CRT	television	GENA	01	AC	34	1	Each	
3395	CRT	computer monitor	GENA	01	AB	34	1	Each	
3401	CRT	computer monitor	GENA	01	AB	35	1	Each	
3404	CRT	control panel CRT	GENA	01	AB	34	1	Each	
3405	CRT	computer monitor	GENA	01	AA	34	1	Each	
3406	CRT	control panel CRT	GENA	01	AA	34	2	Each	
3415	CRT	television	GENA	01	A	39	1	Each	
3417	CRT	control panel CRT	GENA	01	A	39	1	Each	
3419	CRT	computer monitor	GENA	01	A	41	1	Each	
3422	CRT	control panel CRT	GENA	01	A	40	1	Each	overhead
3425	CRT	control panel CRT	GENA	01	A	43	1	Each	overhead
3426	CRT	computer monitor	GENA	01	A	43	1	Each	
3430	CRT	television	GENA	01	A	44	1	Each	
3434	CRT	computer monitor	GENA	01	A	45	3	Each	
3435	CRT	computer monitor	GENA	01	A	46	1	Each	
3440	CRT	computer monitor	GENA	01	A	48	1	Each	
3443	CRT	computer monitor	GENA	01	AC	50	5	Each	Fori #1
3444	CRT	control panel CRT	GENA	01	AC	50	7	Each	Fori #1
3449	CRT	computer monitor	GENA	01	AC	50	1	Each	Fori #2
3450	CRT	control panel CRT	GENA	01	AC	50	5	Each	Fori #2
3455	CRT	control panel CRT	GENA	01	AC	50	5	Each	Fori #3
3456	CRT	computer monitor	GENA	01	AC	50	7	Each	Fori #3
3461	CRT	control panel CRT	GENA	01	AC	50	5	Each	Fori #4

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3462	CRT	computer monitor	GENA	01	AC	50	7	Each	Fori #4
3467	CRT	control panel CRT	GENA	01	AC	50	5	Each	Fori #5
3468	CRT	computer monitor	GENA	01	AC	50	7	Each	Fori #5
3489	CRT	control panel CRT	GENA	01	A	52	2	Each	
3495	CRT	television	GENA	01	A	54	1	Each	
3499	CRT	computer monitor	GENA	01	A	56	2	Each	
3501	CRT	computer monitor	GENA	01	A	56	1	Each	
3504	CRT	television	GENA	01	A	58	1	Each	
3511	CRT	computer monitor	GENA	01	A	60	1	Each	
3532	CRT	computer monitor	GENA	01	A	65	2	Each	Shake and rattle
3533	CRT	control panel CRT	GENA	01	A	65	1	Each	Shake and rattle
3558	CRT	computer monitor	GENA	01	AN	31	1	Each	
3559	CRT	television	GENA	01	AN	31	1	Each	
3567	CRT	computer monitor	GENA	01	AM	38	1	Each	
3568	CRT	control panel CRT	GENA	01	AM	38	2	Each	
3595	CRT	computer monitor	GENA	01	AK	58	1	Each	
3598	CRT	television	GENA	01	AL	54	2	Each	
3599	CRT	computer monitor	GENA	01	AL	53	1	Each	
3601	CRT	television	GENA	01	AL	52	1	Each	
3604	CRT	computer monitor	GENA	01	AL	50	1	Each	
3605	CRT	computer monitor	GENA	01	AL	49	1	Each	
3608	CRT	control panel CRT	GENA	01	AL	46	4	Each	
3615	CRT	control panel CRT	GENA	01	AL	44	2	Each	
3619	CRT	computer monitor	GENA	01	AK	38	1	Each	
3622	CRT	computer monitor	GENA	01	AK	36	1	Each	
3624	CRT	television	GENA	01	AK	34	2	Each	
3627	CRT	computer monitor	GENA	01	AH	31	2	Each	
3630	CRT	control panel CRT	GENA	01	AJ	34	1	Each	
3635	CRT	television	GENA	01	AJ	36	1	Each	
3637	CRT	television	GENA	01	AH	39	1	Each	
3641	CRT	television	GENA	01	AJ	40	1	Each	
3644	CRT	television	GENA	01	AJ	41	1	Each	
3647	CRT	computer monitor	GENA	01	AJ	44	1	Each	
3649	CRT	television	GENA	01	AJ	45	1	Each	
3651	CRT	television	GENA	01	AJ	46	1	Each	
3657	CRT	television	GENA	01	AJ	51	2	Each	
3661	CRT	computer monitor	GENA	01	AJ	55	1	Each	
3663	CRT	television	GENA	01	AH	58	1	Each	
3668	CRT	computer monitor	GENA	01	AF	61	8	Each	
3669	CRT	control panel CRT	GENA	01	AF	59	1	Each	
3670	CRT	computer monitor	GENA	01	AF	58	1	Each	
3671	CRT	control panel CRT	GENA	01	AF	58	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3672	CRT	computer monitor	GENA	01	AF	55	6	Each	
3674	CRT	computer monitor	GENA	01	AF	54	3	Each	
3676	CRT	computer monitor	GENA	01	AF	53	3	Each	
3678	CRT	computer monitor	GENA	01	AF	50	5	Each	
3680	CRT	television	GENA	01	AF	49	1	Each	
3683	CRT	computer monitor	GENA	01	AF	49	1	Each	
3688	CRT	computer monitor	GENA	01	AF	46	1	Each	
3689	CRT	control panel CRT	GENA	01	AF	44	2	Each	
3691	CRT	computer monitor	GENA	01	AF	43	1	Each	
3692	CRT	computer monitor	GENA	01	AF	42	1	Each	
3696	CRT	control panel CRT	GENA	01	AF	41	1	Each	
3699	CRT	television	GENA	01	AF	39	1	Each	
3700	CRT	control panel CRT	GENA	01	AF	39	1	Each	
3701	CRT	control panel CRT	GENA	01	AF	36	1	Each	
3702	CRT	computer monitor	GENA	01	AF	36	2	Each	
3703	CRT	computer monitor	GENA	01	AF	35	3	Each	
3706	CRT	television	GENA	01	AF	34	1	Each	
3707	CRT	computer monitor	GENA	01	AF	34	1	Each	
3713	CRT	television	GENA	01	AE	41	1	Each	
3716	CRT	computer monitor	GENA	01	AE	44	1	Each	
3718	CRT	television	GENA	01	AE	44	1	Each	
3720	CRT	television	GENA	01	AE	46	1	Each	
3725	CRT	control panel CRT	GENA	01	AE	50	1	Each	
3726	CRT	computer monitor	GENA	01	AE	51	1	Each	
3727	CRT	computer monitor	GENA	01	AE	51	2	Each	
3729	CRT	computer monitor	GENA	01	AE	51	2	Each	
3730	CRT	computer monitor	GENA	01	AE	52	2	Each	
3731	CRT	computer monitor	GENA	01	AE	52	1	Each	
3733	CRT	computer monitor	GENA	01	AE	53	3	Each	
3736	CRT	television	GENA	01	AE	53	1	Each	
3737	CRT	computer monitor	GENA	01	AE	54	1	Each	
3739	CRT	control panel CRT	GENA	01	AE	55	4	Each	
3740	CRT	computer monitor	GENA	01	AE	55	1	Each	
3741	CRT	computer monitor	GENA	01	AE	55	1	Each	
3744	CRT	television	GENA	01	AE	56	1	Each	
3745	CRT	computer monitor	GENA	01	AE	56	1	Each	
3750	CRT	television	GENA	01	AE	38	1	Each	
3751	CRT	control panel CRT	GENA	01	AE	39	3	Each	
3753	CRT	computer monitor	GENA	01	AE	39	1	Each	
3759	CRT	television	GENA	01	AE	40	1	Each	
3760	CRT	computer monitor	GENA	01	AE	41	1	Each	
3761	CRT	control panel CRT	GENA	01	AE	41	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3762	CRT	control panel CRT	GENA	01	AE	57	1	Each	
3763	CRT	television	GENA	01	AE	57	1	Each	
3766	CRT	computer monitor	GENA	01	AE	57	1	Each	
3767	CRT	control panel CRT	GENA	01	AE	57	1	Each	
3768	CRT	computer monitor	GENA	01	AD	60	1	Each	
3771	CRT	television	GENA	01	AD	61	1	Each	
3772	CRT	computer monitor	GENA	01	AB	64	1	Each	
3778	CRT	computer monitor	GENA	01	AB	62	3	Each	
3780	CRT	computer monitor	GENA	01	AB	59	2	Each	
3781	CRT	computer monitor	GENA	01	AB	58	1	Each	
3784	CRT	computer monitor	GENA	01	AB	55	1	Each	
3791	CRT	computer monitor	GENA	01	AA	59	3	Each	
3793	CRT	television	GENA	01	AA	59	1	Each	
3798	CRT	computer monitor	GENA	01	AB	47	1	Each	
3800	CRT	television	GENA	01	AB	46	1	Each	
3804	CRT	control panel CRT	GENA	01	AB	45	1	Each	
3805	CRT	control panel CRT	GENA	01	AB	44	2	Each	
3806	CRT	control panel CRT	GENA	01	AB	43	4	Each	
3808	CRT	computer monitor	GENA	01	AB	43	1	Each	
3811	CRT	computer monitor	GENA	01	AB	42	2	Each	
3812	CRT	television	GENA	01	AB	42	1	Each	
3814	CRT	television	GENA	01	AB	42	1	Each	
3818	CRT	control panel CRT	GENA	01	AB	40	2	Each	
3820	CRT	television	GENA	01	AB	39	2	Each	
3821	CRT	control panel CRT	GENA	01	AB	39	1	Each	
3823	CRT	computer monitor	GENA	01	AB	38	2	Each	
3826	CRT	control panel CRT	GENA	01	AB	37	8	Each	
3830	CRT	control panel CRT	GENA	01	AB	37	5	Each	
3832	CRT	control panel CRT	GENA	01	AB	36	2	Each	
3835	CRT	control panel CRT	GENA	01	AA	36	1	Each	
3836	CRT	computer monitor	GENA	01	AA	36	1	Each	
3838	CRT	control panel CRT	GENA	01	AA	37	2	Each	
3839	CRT	computer monitor	GENA	01	AA	37	2	Each	
3840	CRT	television	GENA	01	AA	37	1	Each	
3843	CRT	computer monitor	GENA	01	AA	38	3	Each	
3846	CRT	control panel CRT	GENA	01	AA	38	4	Each	
3849	CRT	television	GENA	01	AA	38	1	Each	
3853	CRT	control panel CRT	GENA	01	AA	40	3	Each	
3859	CRT	computer monitor	GENA	01	AA	42	1	Each	
3860	CRT	control panel CRT	GENA	01	AA	42	3	Each	
3863	CRT	computer monitor	GENA	01	AA	44	1	Each	
3864	CRT	control panel CRT	GENA	01	AA	44	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3871	CRT	control panel CRT	GENA	01	AA	61	1	Each	
3872	CRT	computer monitor	GENA	01	AA	61	1	Each	
3873	CRT	control panel CRT	GENA	01	AA	62	3	Each	
3877	CRT	computer monitor	GENA	01	AA	65	1	Each	
3891	CRT	computer monitor	GENA	01	B	56	1	Each	
3905	CRT	computer monitor	GENA	01	B	42	3	Each	
3906	CRT	television	GENA	01	B	42	1	Each	
3909	CRT	television	GENA	01	B	41	1	Each	
3911	CRT	computer monitor	GENA	01	B	41	1	Each	
3912	CRT	computer monitor	GENA	01	C	41	1	Each	
1482	CYL	compressed gas - nitrogen	GENA	02			1	Each	Substation C
2870	CYL	compressed gas - nitrogen	GENA	OM	AH	56	1	Each	
3004	CYL	compressed gas - nitrogen	GENA	01	AL	46	1	Each	
3007	CYL	134A	GENA	01	AK	46	1	Each	R134A
3083	CYL	R134A	GENA	01	AH	56	1	Each	20# tank
3085	CYL	R134A	GENA	01	AH	56	12	Each	10# tanks
3145	CYL	compressed gas - nitrogen	GENA	01	AG	34	2	Each	
3268	CYL	R134A	GENA	01	AD	50	1	Each	20 # R134A
3508	CYL	compressed gas - argon	GENA	01	B	60	1	Each	
3509	CYL	compressed gas - oxygen	GENA	01	A	60	1	Each	
3510	CYL	compressed gas - acetylene	GENA	01	A	60	1	Each	
3525	CYL	compressed gas - nitrogen	GENA	01	A	65	2	Each	
3868	CYL	compressed gas - other	GENA	01	AA	60	1	Each	10 gal on halogen feeder
2952	DRN	drain	GENA	01	A	59-65	10	Each	1.5' x 1.5' x 1.5' in floor running to the east
2913	DUC	vent	GENA	01	AD	59	1	Each	Duct system in pit - severe build up of debris
3278	DUC	exhaust	GENA	01	AD	49-51	1	Each	Vehicle exhaust ductwork
3306	DUC	exhaust	GENA	01	AC	57-60	1	Each	Car exhaust
3498	DUC	exhaust	GENA	01	A	54-58	1	Each	car exhaust
3512	DUC	exhaust	GENA	01	A	60-64	1	Each	car exhaust system
3540	DUC	exhaust	GENA	01	B	60-64	1	Each	car exhaust system
3874	DUC	exhaust	GENA	01	AA	62-65	1	Each	
3890	DUC	exhaust	GENA	01	B	62-64	1	Each	
555	FEX	20# dry	GENA	OR			1	Each	East penthouse utility room
1287	FEX	20# water	GENA	01			1	Each	Main Lobby
1288	FEX	20# dry	GENA	01			1	Each	Security Office
1289	FEX	20# CO2	GENA	01	AL	35	1	Each	
1290	FEX	20# dry	GENA	01	AL	43	1	Each	
1291	FEX	20# CO2	GENA	01	AL	50	1	Each	
1292	FEX	20# water	GENA	01	AN	32	1	Each	
1293	FEX	20# CO2	GENA	01	AL	53	1	Each	
1294	FEX	20# water	GENA	01	AN	55	1	Each	
1295	FEX	20# water	GENA	01	AK	60	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1296	FEX	20# water	GENA	01	AK	55	1	Each	
1297	FEX	20# dry	GENA	01	AJ	51	1	Each	
1298	FEX	20# CO2	GENA	01	AK	46	1	Each	
1299	FEX	20# water	GENA	01	AK	45	1	Each	
1300	FEX	20# water	GENA	01	AJ	45	1	Each	
1301	FEX	20# CO2	GENA	01	AL	43	1	Each	
1302	FEX	20# water	GENA	01	AK	42	1	Each	
1303	FEX	20# water	GENA	01	AK	36	1	Each	
1304	FEX	20# dry	GENA	01	AN	54	1	Each	
1305	FEX	20# CO2	GENA	01	AJ	33	1	Each	
1306	FEX	20# water	GENA	01	AK	32	1	Each	
1307	FEX	20# CO2	GENA	01	AH	36	1	Each	
1308	FEX	20# water	GENA	01	AG	37	1	Each	
1309	FEX	20# water	GENA	01	AG	40	1	Each	
1310	FEX	20# CO2	GENA	01	AH	42	1	Each	
1311	FEX	20# CO2	GENA	01	AG	43	1	Each	
1312	FEX	20# CO2	GENA	01	AH	45	1	Each	
1313	FEX	20# water	GENA	01	AG	46	1	Each	
1314	FEX	20# CO2	GENA	01	AH	48	1	Each	
1315	FEX	20# dry	GENA	01	AG	51	1	Each	
1316	FEX	20# water	GENA	01	AG	54	1	Each	
1317	FEX	20# dry	GENA	01	AH	56	1	Each	
1318	FEX	20# dry	GENA	01	AH	57	1	Each	
1319	FEX	20# CO2	GENA	01	AF	60	1	Each	
1320	FEX	20# CO2	GENA	01	AF	56	1	Each	
1321	FEX	20# CO2	GENA	01	AF	52	1	Each	
1322	FEX	20# CO2	GENA	01	AF	50	1	Each	
1323	FEX	20# water	GENA	01	AF	48	1	Each	
1324	FEX	20# CO2	GENA	01	AF	44	1	Each	
1325	FEX	20# CO2	GENA	01	AF	41	1	Each	
1326	FEX	20# water	GENA	01	AG	37	1	Each	
1327	FEX	20# CO2	GENA	01	AF	35	1	Each	
1328	FEX	20# water	GENA	01	AF	33	1	Each	
1329	FEX	20# CO2	GENA	01	AC	33	1	Each	
1330	FEX	20# water	GENA	01	AC	35	1	Each	
1331	FEX	20# CO2	GENA	01	AC	36	1	Each	
1332	FEX	20# water	GENA	01	AC	38	1	Each	
1333	FEX	20# water	GENA	01	AC	41	1	Each	
1334	FEX	20# CO2	GENA	01	AC	42	1	Each	
1335	FEX	20# water	GENA	01	AC	47	1	Each	
1336	FEX	20# CO2	GENA	01	AC	48	1	Each	
1337	FEX	20# CO2	GENA	01	AD	48	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1338	FEX	20# water	GENA	01	AD	50	1	Each	
1339	FEX	20# CO2	GENA	01	AC	52	1	Each	
1340	FEX	20# CO2	GENA	01	AC	55	1	Each	
1341	FEX	20# water	GENA	01	AC	56	1	Each	
1342	FEX	20# CO2	GENA	01	AC	59	1	Each	
1343	FEX	20# CO2	GENA	01	AC	57	1	Each	
1344	FEX	20# water	GENA	01	AC	59	1	Each	
1345	FEX	20# CO2	GENA	01	AL	38	1	Each	
1346	FEX	20# dry	GENA	01	AM	50	1	Each	
1347	FEX	20# water	GENA	01	AK	57	1	Each	
1348	FEX	20# dry	GENA	01	AK	51	1	Each	
1349	FEX	20# water	GENA	01	AK	48	1	Each	
1350	FEX	20# CO2	GENA	01	AL	47	1	Each	
1351	FEX	20# dry	GENA	01	AK	41	1	Each	
1352	FEX	20# dry	GENA	01	AJ	36	1	Each	
1353	FEX	20# CO2	GENA	01	AH	39	1	Each	
1354	FEX	20# CO2	GENA	01	AJ	45	1	Each	
1355	FEX	20# CO2	GENA	01	AH	50	1	Each	
1356	FEX	20# CO2	GENA	01	AH	59	1	Each	
1357	FEX	20# CO2	GENA	01	AF	57	1	Each	
1358	FEX	20# water	GENA	01	AF	55	1	Each	
1359	FEX	20# water	GENA	01	AE	51	1	Each	
1360	FEX	20# water	GENA	01	AE	45	1	Each	
1361	FEX	20# water	GENA	01	AE	43	1	Each	
1362	FEX	20# water	GENA	01	AE	39	1	Each	
1363	FEX	20# CO2	GENA	01	AF	38	1	Each	
1364	FEX	20# water	GENA	01	AE	37	1	Each	
1365	FEX	20# CO2	GENA	01	AE	35	1	Each	
1366	FEX	20# water	GENA	01	AE	43	1	Each	
1367	FEX	20# CO2	GENA	01	AD	45	1	Each	
1368	FEX	20# water	GENA	01	AE	45	1	Each	
1369	FEX	20# CO2	GENA	01	AD	48	1	Each	
1370	FEX	20# CO2	GENA	01	AE	35	1	Each	
1371	FEX	20# water	GENA	01	AE	37	1	Each	
1372	FEX	20# water	GENA	01	AD	60	1	Each	
1373	FEX	20# CO2	GENA	01	AB	59	1	Each	
1374	FEX	20# CO2	GENA	01	AA	56	1	Each	
1375	FEX	20# CO2	GENA	01	A	52	1	Each	
1376	FEX	20# water	GENA	01	AA	57	1	Each	
1719	FEX	20# water	GENA	OM	AH	34	1	Each	T625 Belt Lift
1729	FEX	20# water	GENA	OM	AF	36	1	Each	
1730	FEX	20# CO2	GENA	OM	AF	36	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1742	FEX	20# water	GENA	OM	AD	41	2	Each	
1743	FEX	20# water	GENA	OM	AF	40	1	Each	
2833	FEX	20# CO2	GENA	OM	AD	55	1	Each	Service Center for Conveyors
2853	FEX	20# CO2	GENA	OM	AB	52	1	Each	
2868	FEX	20# CO2	GENA	OM	AH	57	1	Each	
2873	FEX	20# dry	GENA	OM	AH	56	1	Each	
2894	FEX	20# CO2	GENA	01	AH	59	1	Each	In pit
2971	FEX	20# water	GENA	02	B	42	1	Each	
2972	FEX	20# CO2	GENA	02	B	42	1	Each	
2977	FEX	20# C02	GENA	02	AG	48	2	Each	
3312	FEX	20# CO2	GENA	01	AC	52	1	Each	Roll Test #1
3320	FEX	20# CO2	GENA	01	AC	52	1	Each	Roll Test #3
3323	FEX	20# CO2	GENA	01	AC	52	1	Each	Roll Test #4
3330	FEX	20# CO2	GENA	01	AC	52	1	Each	Roll Test #5
3336	FEX	20# CO2	GENA	01	AC	52	1	Each	Roll Test #6
3342	FEX	20# CO2	GENA	01	AC	52	1	Each	Roll Test #2
3353	FEX	20# CO2	GENA	01	AC	48	1	Each	
3354	FEX	20# water	GENA	01	AC	47	1	Each	
3374	FEX	20# water	GENA	01	AB	35	1	Each	
3390	FEX	20# CO2	GENA	01	AB	31	1	Each	
3391	FEX	20# water	GENA	01	AB	31	1	Each	
3392	FEX	20# water	GENA	01	AB	33	1	Each	
3393	FEX	20# CO2	GENA	01	AA	34	1	Each	
3399	FEX	20# CO2	GENA	01	AA	35	1	Each	
3420	FEX	20# water	GENA	01	B	42	1	Each	
3424	FEX	20# water	GENA	01	A	43	1	Each	
3431	FEX	20# dry	GENA	01	B	44	1	Each	
3437	FEX	20# water	GENA	01	A	47	1	Each	
3479	FEX	20# CO2	GENA	01	B	50	1	Each	
3487	FEX	20# CO2	GENA	01	A	52	1	Each	
3491	FEX	20# CO2	GENA	01	B	53	1	Each	
3492	FEX	20# CO2	GENA	01	B	51	1	Each	
3493	FEX	20# CO2	GENA	01	B	54	1	Each	
3503	FEX	20# CO2	GENA	01	B	58	1	Each	
3514	FEX	20# CO2	GENA	01	B	62	1	Each	
3515	FEX	20# water	GENA	01	B	63	1	Each	
3516	FEX	20# CO2	GENA	01	A	63	1	Each	
3524	FEX	20# water	GENA	01	A	65	1	Each	
3534	FEX	20# CO2	GENA	01	A	65	1	Each	in shake and rattle pit
3544	FEX	20# CO2	GENA	01	B	56	1	Each	
3550	FEX	20# CO2	GENA	01	B	52	1	Each	
3554	FEX	20# CO2	GENA	01	B	50	3	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3602	FEX	20# dry	GENA	01	AK	51	1	Each	
3629	FEX	20# water	GENA	01	AL	33	1	Each	
3779	FEX	20# water	GENA	01	AA	60	1	Each	
3799	FEX	20# CO2	GENA	01	AA	47	1	Each	
3803	FEX	20# water	GENA	01	AA	45	1	Each	
3810	FEX	20# CO2	GENA	01	AA	43	1	Each	
3817	FEX	20# CO2	GENA	01	AA	41	1	Each	
3822	FEX	20# water	GENA	01	AA	39	1	Each	
3828	FEX	20# CO2	GENA	01	AA	38	1	Each	
3829	FEX	20# CO2	GENA	01	AB	37	1	Each	
3852	FEX	20# water	GENA	01	A	39	1	Each	
3857	FEX	20# water	GENA	01	AA	42	1	Each	
3858	FEX	20# CO2	GENA	01	AA	42	1	Each	
3861	FEX	20# water	GENA	01	A	43	1	Each	
3865	FEX	20# water	GENA	01	A	47	1	Each	
3875	FEX	20# water	GENA	01	A	63	1	Each	
3882	FEX	20# CO2	GENA	01	AA	65	1	Each	water test booth
3896	FEX	20# CO2	GENA	01	B	58	1	Each	
3897	FEX	20# CO2	GENA	01	B	57	1	Each	
3900	FEX	20# CO2	GENA	01	C	50	1	Each	
3903	FEX	20# water	GENA	01	B	48	1	Each	
3908	FEX	20# dry	GENA	01	C	42	1	Each	
3914	FEX	20# CO2	GENA	01	B	39	1	Each	
3915	FEX	20# water	GENA	01	B	38	1	Each	
3916	FEX	20# CO2	GENA	01	C	36	1	Each	
477	FFL	gasoline	GENA	OR	D	34	1	Each	Gasoline Chiller
3080	FFL	gasoline	GENA	01	AH	55	1	Each	
3185	FFL	brake fluid	GENA	01	AD	38	1	Each	
3186	FFL	oil	GENA	01	AD	39	1	Each	Front Axle
3188	FFL	oil	GENA	01	AD	39	1	Each	Transmission oil
3519	FFL	antifreeze	GENA	01	B	64	1	Each	
3520	FFL	gasoline	GENA	01	B	64	1	Each	
3521	FFL	grease	GENA	01	B	64	1	Each	
3522	FFL	oil	GENA	01	B	64	1	Each	
3523	FFL	windshield washer fluid	GENA	01	B	64	1	Each	
17	FTR	air filter	GENA	OR	F	34	1	Each	Torrit Filter
464	FTR	exhaust	GENA	OR	A	50	2	Each	Unidentified stacks
465	FTR	exhaust	GENA	OR	A	53	3	Each	Unidentified stacks
466	FTR	exhaust	GENA	OR	B	55	4	Each	unidentified stacks
467	FTR	exhaust	GENA	OR	AA	55	1	Each	Hartzell exhaust fan
468	FTR	exhaust	GENA	OR	AA	62	1	Each	Hartzell exhaust fan
470	FTR	air filter	GENA	OR	M	52	1	Each	Torrit filter

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
471	FTR	exhaust	GENA	OR	J	50	1	Each	Torrit filter
473	FTR	exhaust	GENA	OR			1	Each	T&B Penthouse ASH - abandoned
474	FTR	exhaust	GENA	OR	K	35	1	Each	Torrit filter
476	FTR	oil filter	GENA	OR	D	34	1	Each	Gasoline Chiller
479	FTR	air filter	GENA	OR	D	32	1	Each	Torrit filter
480	FTR	exhaust	GENA	OR	F	33	1	Each	Unitdentified stack
489	FTR	exhaust	GENA	OR	H	10	4	Each	Unidentified stacks
551	FTR	exhaust	GENA	OR	AH	57	2	Each	Hartzell exhaust fans (has 2 electrolube units)
556	FTR	exhaust	GENA	OR	AC	40	1	Each	Hartzell exhaust fan (has 2 electrolube units)
557	FTR	exhaust	GENA	OR			1	Each	Unidentified located at SE corner of GA by docks
559	FTR	exhaust	GENA	OR			6	Each	Unidentified unident stacks on upper east roof
560	FTR	exhaust	GENA	OR	AC	57	1	Each	Hartzell exhaust fans
561	FTR	exhaust	GENA	OR	AB	55	1	Each	Hartzell Exhaust Fans
562	FTR	exhaust	GENA	OR	AE	54	2	Each	Hartzell Exhaust Fans
563	FTR	exhaust	GENA	OR	AD	52	1	Each	Hartzell Exhaust Fans
1206	FTR	air filter	GENA	OR			1	Each	ASH 149
1207	FTR	air filter	GENA	OR			1	Each	ASH 137
1208	FTR	air filter	GENA	OR			1	Each	ASH 162
1209	FTR	air filter	GENA	OR			1	Each	ASH 152
1210	FTR	air filter	GENA	OR			1	Each	ASH 150
1211	FTR	air filter	GENA	OR			1	Each	ASH 151
1212	FTR	air filter	GENA	OR			1	Each	ASH 161
1213	FTR	air filter	GENA	OR			1	Each	ASH 147
1214	FTR	air filter	GENA	OR			1	Each	ASH 148
1215	FTR	air filter	GENA	OR			1	Each	ASH 160
1216	FTR	air filter	GENA	OR			1	Each	ASH 153
1217	FTR	air filter	GENA	OR			1	Each	ASH 138
1218	FTR	air filter	GENA	OR			1	Each	ASH 139
1219	FTR	air filter	GENA	OR			1	Each	ASH 140
1220	FTR	air filter	GENA	OR			1	Each	ASH 141
1221	FTR	air filter	GENA	OR			1	Each	ASH 143
1222	FTR	air filter	GENA	OR			1	Each	ASH 144
1223	FTR	air filter	GENA	OR			1	Each	ASH 146
1224	FTR	air filter	GENA	OR			1	Each	ASH 100
1225	FTR	air filter	GENA	OR			1	Each	ASH 101
1226	FTR	air filter	GENA	OR			1	Each	ASH 178
1227	FTR	air filter	GENA	OR			1	Each	ASH 179
1228	FTR	air filter	GENA	OR			1	Each	ASH 171
1229	FTR	air filter	GENA	OR			1	Each	ASH 172
1230	FTR	air filter	GENA	OR			1	Each	ASH 173
1231	FTR	air filter	GENA	OR			1	Each	ASH 174
1232	FTR	air filter	GENA	OR			1	Each	ASH 175

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1233	FTR	air filter	GENA	OR			1	Each	ASH 176
1234	FTR	air filter	GENA	OR			1	Each	ASH 190
1235	FTR	air filter	GENA	OR			1	Each	ASH 191
1236	FTR	air filter	GENA	OR			1	Each	ASH 182
1237	FTR	air filter	GENA	OR			1	Each	ASH 183
1238	FTR	air filter	GENA	OR			1	Each	ASH 184
1239	FTR	air filter	GENA	OR			1	Each	ASH 185
1240	FTR	air filter	GENA	OR			1	Each	ASH 186
1241	FTR	air filter	GENA	OR			1	Each	ASH 187
1242	FTR	air filter	GENA	OR			1	Each	ASH 165
1243	FTR	air filter	GENA	OR			1	Each	ASH 166
1244	FTR	air filter	GENA	OR			1	Each	ASH 163
1245	FTR	air filter	GENA	OR			1	Each	ASH 520
1246	FTR	air filter	GENA	OR			1	Each	ASH 508
1247	FTR	air filter	GENA	OR			1	Each	ASH 509
1248	FTR	air filter	GENA	OR			1	Each	ASH 518
1249	FTR	air filter	GENA	OR			1	Each	ASH 516
1250	FTR	air filter	GENA	OR			1	Each	ASH 301
1251	FTR	air filter	GENA	OR			1	Each	ASH 302
1252	FTR	air filter	GENA	OR			1	Each	ASH 303
1253	FTR	air filter	GENA	OR			1	Each	ASH 304
1254	FTR	air filter	GENA	OR			1	Each	ASH 305
1255	FTR	air filter	GENA	OR			1	Each	ASH 306
1256	FTR	air filter	GENA	OR			1	Each	ASH 307
1257	FTR	air filter	GENA	OR			1	Each	ASH 308
1258	FTR	air filter	GENA	OR			1	Each	ASH 309
1259	FTR	air filter	GENA	OR			1	Each	ASH 310
1260	FTR	air filter	GENA	OR			1	Each	ASH 311
1261	FTR	air filter	GENA	OR			1	Each	ASH 312
1262	FTR	air filter	GENA	OR			1	Each	ASH 313
1263	FTR	air filter	GENA	OR			1	Each	ASH 314
1264	FTR	air filter	GENA	OR			1	Each	ASH 315
1265	FTR	air filter	GENA	OR			1	Each	ASH 316
1266	FTR	air filter	GENA	OR			1	Each	ASH 317
1267	FTR	air filter	GENA	OR			1	Each	ASH 318
1268	FTR	air filter	GENA	OR			1	Each	ASH 319
1269	FTR	air filter	GENA	OR			1	Each	ASH 320
1270	FTR	air filter	GENA	OR			1	Each	ASH 321
1271	FTR	air filter	GENA	OR			1	Each	ASH 322
1272	FTR	air filter	GENA	OR			1	Each	ASH 323
1273	FTR	air filter	GENA	OR			1	Each	ASH 324
1274	FTR	air filter	GENA	OR			1	Each	ASH 325

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1275	FTR	air filter	GENA	OR			1	Each	ASH 326
1276	FTR	air filter	GENA	OR			1	Each	ASH 327
1277	FTR	air filter	GENA	OR			1	Each	ASH 328
1278	FTR	air filter	GENA	OR			1	Each	ASH 329
1279	FTR	air filter	GENA	OR			1	Each	ASH 330
1280	FTR	air filter	GENA	OR			1	Each	ASH 331
1281	FTR	air filter	GENA	OR			1	Each	ASH 180
2134	FTR	oil filter	GENA	OM	AD	39	2	Each	Front Axle Fill #1
2135	FTR	oil filter	GENA	OM	AD	39	2	Each	Transmission Fill #1 100 gal
2138	FTR	oil filter	GENA	OM	AD	39	2	Each	Front Axle Fill #2
2139	FTR	oil filter	GENA	OM	AD	39	2	Each	Transmission Fill #2
3530	FTR	oil filter	GENA	01	A	65	2	Each	hydraulic pump
3795	FTR	water	GENA	01	AA	60	1	Each	5 gal
3869	FTR	water	GENA	01	AA	60	3	Each	
3884	FTR	water	GENA	01	AA	65	1	Each	water test booth
3887	FTR	water	GENA	01	AA	65	2	Each	water softeners
1571	LIT	8 ' 2 bulb 1 ballast	GENA	OR			1	Each	Substations
1655	LIT	high intensity lamp	GENA	01			1	Each	Main Lobby
1661	LIT	4 ' 4 bulb 2 ballast	GENA	01			1	Each	Security Office
1669	LIT	4 ' 2 bulb 1 ballast	GENA	01			1	Each	Throughout
1686	LIT	4 ' 4 bulb 2 ballast	GENA	01			1	Each	Throughout
2918	LIT	4 ' 1 bulb 1 ballast	GENA	01			1	Each	Throughout all pit areas
2968	LIT	8 ' 2 bulb 1 ballast	GENA	01			1	Each	Cafeteria
687	MCD	thermometer	GENA	OR			4	Each	ASH 127
688	MCD	thermometer	GENA	OR			4	Each	ASH 128
689	MCD	thermometer	GENA	OR			4	Each	ASH 129
690	MCD	thermometer	GENA	OR			4	Each	ASH 130
691	MCD	thermometer	GENA	OR			4	Each	ASH 131
692	MCD	thermometer	GENA	OR			4	Each	ASH 132
693	MCD	thermometer	GENA	OR			4	Each	ASH 133
694	MCD	thermometer	GENA	OR			4	Each	ASH 134
695	MCD	thermometer	GENA	OR			4	Each	ASH 136
696	MCD	thermometer	GENA	OR			4	Each	ASH 164
697	MCD	thermometer	GENA	OR			4	Each	ASH 155
698	MCD	thermometer	GENA	OR			4	Each	ASH 156
699	MCD	thermometer	GENA	OR			4	Each	ASH 157
700	MCD	thermometer	GENA	OR			4	Each	ASH 169
701	MCD	thermometer	GENA	OR			4	Each	ASH 105
702	MCD	thermometer	GENA	OR			4	Each	ASH 177
703	MCD	thermometer	GENA	OR			4	Each	ASH 176
704	MCD	thermometer	GENA	OR			4	Each	ASH 179
705	MCD	thermometer	GENA	OR			4	Each	ASH 171

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
706	MCD	thermometer	GENA	OR			4	Each	ASH 172
707	MCD	thermometer	GENA	OR			4	Each	ASH 174
708	MCD	thermometer	GENA	OR			4	Each	ASH 175
709	MCD	thermometer	GENA	OR			4	Each	ASH 176
710	MCD	thermometer	GENA	OR			4	Each	ASH 190
711	MCD	thermometer	GENA	OR			4	Each	ASH 191
712	MCD	thermometer	GENA	OR			4	Each	ASH 182
713	MCD	thermometer	GENA	OR			4	Each	ASH 183
714	MCD	thermometer	GENA	OR			4	Each	ASH 184
715	MCD	thermometer	GENA	OR			4	Each	ASH 185
716	MCD	thermometer	GENA	OR			4	Each	ASH 186
717	MCD	thermometer	GENA	OR			4	Each	ASH 187
718	MCD	thermometer	GENA	OR			3	Each	ASH 165
719	MCD	thermostat	GENA	OR			1	Each	ASH 128
720	MCD	thermostat	GENA	OR			1	Each	ASH 129
721	MCD	thermostat	GENA	OR			1	Each	ASH130
722	MCD	thermostat	GENA	OR			1	Each	ASH131
723	MCD	thermostat	GENA	OR			1	Each	ASH132
724	MCD	thermostat	GENA	OR			1	Each	ASH 133
725	MCD	thermostat	GENA	OR			1	Each	ASH 134
726	MCD	thermostat	GENA	OR			1	Each	ASH 136
727	MCD	thermostat	GENA	OR			1	Each	ASH 164
728	MCD	thermostat	GENA	OR			1	Each	ASH155
729	MCD	thermostat	GENA	OR			1	Each	ASH 156
730	MCD	thermostat	GENA	OR			1	Each	ASH 157
731	MCD	thermostat	GENA	OR			1	Each	ASH 169
732	MCD	thermostat	GENA	OR			1	Each	ASH 105
733	MCD	thermostat	GENA	OR			1	Each	ASH 188
734	MCD	thermostat	GENA	OR			1	Each	ASH 189
735	MCD	thermostat	GENA	OR			1	Each	ASH 177
736	MCD	thermostat	GENA	OR			1	Each	ASH 178
737	MCD	thermostat	GENA	OR			1	Each	ASH 179
738	MCD	gas pressure switch	GENA	OR			2	Each	ASH 105
739	MCD	gas pressure switch	GENA	OR			2	Each	ASH 188
740	MCD	gas pressure switch	GENA	OR			2	Each	ASH 189
741	MCD	gas pressure switch	GENA	OR			2	Each	ASH 177
742	MCD	gas pressure switch	GENA	OR			2	Each	ASH 178
743	MCD	gas pressure switch	GENA	OR			2	Each	ASH 179
744	MCD	gas pressure switch	GENA	OR			2	Each	ASH 171
745	MCD	gas pressure switch	GENA	OR			2	Each	ASH 172
746	MCD	gas pressure switch	GENA	OR			2	Each	ASH 173
747	MCD	gas pressure switch	GENA	OR			2	Each	ASH 174

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TABLE 1
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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
748	MCD	gas pressure switch	GENA	OR			2	Each	ASH 175
749	MCD	gas pressure switch	GENA	OR			2	Each	ASH 176
750	MCD	gas pressure switch	GENA	OR			2	Each	ASH 190
751	MCD	gas pressure switch	GENA	OR			2	Each	ASH 191
752	MCD	gas pressure switch	GENA	OR			2	Each	ASH 182
753	MCD	gas pressure switch	GENA	OR			2	Each	ASH 183
754	MCD	gas pressure switch	GENA	OR			2	Each	ASH 184
755	MCD	gas pressure switch	GENA	OR			2	Each	ASH 185
756	MCD	gas pressure switch	GENA	OR			2	Each	ASH 186
757	MCD	gas pressure switch	GENA	OR			2	Each	ASH 187
758	MCD	thermometer	GENA	OR			4	Each	ASH 171
759	MCD	thermometer	GENA	OR			4	Each	ASH 172
760	MCD	thermometer	GENA	OR	A	14	4	Each	ASH 173
761	MCD	thermometer	GENA	OR			4	Each	ASH 174
762	MCD	thermometer	GENA	OR			4	Each	ASH 175
763	MCD	thermometer	GENA	OR			4	Each	ASH 176
764	MCD	thermometer	GENA	OR			4	Each	ASH 190
765	MCD	thermometer	GENA	OR			4	Each	ASH 191
766	MCD	thermometer	GENA	OR			4	Each	ASH 182
767	MCD	thermometer	GENA	OR			4	Each	ASH 183
768	MCD	thermometer	GENA	OR			4	Each	ASH 184
769	MCD	thermometer	GENA	OR			4	Each	ASH 185
770	MCD	thermometer	GENA	OR			4	Each	ASH 186
771	MCD	thermometer	GENA	OR			4	Each	ASH 187
772	MCD	thermometer	GENA	OR			1	Each	ASH 171
773	MCD	thermostat	GENA	OR			1	Each	ASH 172
774	MCD	thermostat	GENA	OR			1	Each	ASH 173
775	MCD	thermostat	GENA	OR			1	Each	ASH 174
776	MCD	thermostat	GENA	OR			1	Each	ASH 175
777	MCD	thermostat	GENA	OR			1	Each	ASH 176
778	MCD	thermostat	GENA	OR			1	Each	ASH 190
779	MCD	thermostat	GENA	OR			1	Each	ASH 191
780	MCD	thermostat	GENA	OR			1	Each	ASH 182
781	MCD	thermostat	GENA	OR			1	Each	ASH 183
782	MCD	thermostat	GENA	OR			1	Each	ASH 184
783	MCD	thermostat	GENA	OR			1	Each	ASH 185
784	MCD	thermostat	GENA	OR			1	Each	ASH 186
785	MCD	thermostat	GENA	OR			1	Each	ASH 187
786	MCD	thermostat	GENA	OR			1	Each	ASH 165
787	MCD	thermostat	GENA	OR			1	Each	ASH 166
788	MCD	thermostat	GENA	OR			1	Each	ASH 163
789	MCD	thermostat	GENA	OR			2	Each	ASH 520

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
790	MCD	thermostat	GENA	OR			2	Each	ASH 508
791	MCD	thermometer	GENA	OR			3	Each	ASH 166
792	MCD	thermometer	GENA	OR			4	Each	ASH 163
793	MCD	thermometer	GENA	OR			3	Each	ASH 520
794	MCD	thermometer	GENA	OR			3	Each	ASH 508
795	MCD	thermometer	GENA	OR			3	Each	ASH 509
796	MCD	thermostat	GENA	OR			2	Each	ASH 509
797	MCD	gas pressure switch	GENA	OR			2	Each	ASH 301
798	MCD	gas pressure switch	GENA	OR			2	Each	ASH 302
799	MCD	gas pressure switch	GENA	OR			2	Each	ASH 303
800	MCD	gas pressure switch	GENA	OR			2	Each	ASH 304
801	MCD	gas pressure switch	GENA	OR			2	Each	ASH 305
802	MCD	gas pressure switch	GENA	OR			2	Each	ASH 306
803	MCD	gas pressure switch	GENA	OR			2	Each	ASH 307
804	MCD	gas pressure switch	GENA	OR			2	Each	ASH 308
805	MCD	gas pressure switch	GENA	OR			2	Each	ASH 309
806	MCD	gas pressure switch	GENA	OR			2	Each	ASH 310
807	MCD	gas pressure switch	GENA	OR			2	Each	ASH 311
808	MCD	gas pressure switch	GENA	OR			2	Each	ASH 312
809	MCD	gas pressure switch	GENA	OR			2	Each	ASH 313
810	MCD	gas pressure switch	GENA	OR			2	Each	ASH 314
811	MCD	gas pressure switch	GENA	OR			2	Each	ASH 315
812	MCD	gas pressure switch	GENA	OR			2	Each	ASH 316
813	MCD	gas pressure switch	GENA	OR			2	Each	ASH 317
814	MCD	gas pressure switch	GENA	OR			2	Each	ASH 318
815	MCD	gas pressure switch	GENA	OR			2	Each	ASH 319
816	MCD	gas pressure switch	GENA	OR			2	Each	ASH 320
817	MCD	gas pressure switch	GENA	OR			2	Each	ASH 321
818	MCD	thermometer	GENA	OR			3	Each	ASH 518
819	MCD	thermostat	GENA	OR			2	Each	ASH 518
820	MCD	thermometer	GENA	OR			3	Each	ASH516
821	MCD	thermostat	GENA	OR			2	Each	ASH 516
822	MCD	thermometer	GENA	OR			2	Each	ASH 301
823	MCD	thermometer	GENA	OR			2	Each	ASH 302
824	MCD	thermometer	GENA	OR			2	Each	ASH 303
825	MCD	thermometer	GENA	OR			2	Each	ASH 304
826	MCD	thermometer	GENA	OR			2	Each	ASH 305
827	MCD	thermometer	GENA	OR			2	Each	ASH 306
828	MCD	thermometer	GENA	OR			2	Each	ASH 307
829	MCD	thermometer	GENA	OR			2	Each	ASH 308
830	MCD	thermometer	GENA	OR			2	Each	ASH 309
831	MCD	thermometer	GENA	OR			2	Each	ASH 310

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
832	MCD	thermometer	GENA	OR			2	Each	ASH 311
833	MCD	thermometer	GENA	OR			2	Each	ASH 312
834	MCD	thermometer	GENA	OR			2	Each	ASH 313
835	MCD	thermometer	GENA	OR			2	Each	ASH 314
836	MCD	thermometer	GENA	OR			2	Each	ASH 315
837	MCD	thermometer	GENA	OR			2	Each	ASH 316
838	MCD	thermometer	GENA	OR			2	Each	ASH 317
839	MCD	thermometer	GENA	OR			2	Each	ASH 318
840	MCD	thermometer	GENA	OR			2	Each	ASH 319
841	MCD	thermometer	GENA	OR			2	Each	ASH 320
842	MCD	thermometer	GENA	OR			2	Each	ASH 321
843	MCD	gas pressure switch	GENA	OR			2	Each	ASH 322
844	MCD	thermometer	GENA	OR			2	Each	ASH 322
845	MCD	gas pressure switch	GENA	OR			2	Each	ASH 323
846	MCD	thermometer	GENA	OR			2	Each	ASH 323
847	MCD	gas pressure switch	GENA	OR			2	Each	ASH 324
848	MCD	thermometer	GENA	OR			2	Each	ASH 324
849	MCD	gas pressure switch	GENA	OR			2	Each	ASH 325
850	MCD	thermometer	GENA	OR			2	Each	ASH 325
851	MCD	gas pressure switch	GENA	OR			2	Each	ASH 326
852	MCD	thermometer	GENA	OR			2	Each	ASH 326
853	MCD	gas pressure switch	GENA	OR			2	Each	ASH 327
854	MCD	thermometer	GENA	OR			2	Each	ASH 327
855	MCD	gas pressure switch	GENA	OR			2	Each	ASH 328
856	MCD	thermometer	GENA	OR			2	Each	ASH 328
857	MCD	gas pressure switch	GENA	OR			2	Each	ASH 329
858	MCD	thermometer	GENA	OR			2	Each	ASH 329
859	MCD	gas pressure switch	GENA	OR			2	Each	ASH 330
860	MCD	thermometer	GENA	OR			2	Each	ASH 330
861	MCD	gas pressure switch	GENA	OR			2	Each	ASH 331
862	MCD	thermometer	GENA	OR			2	Each	ASH 331
1282	MCD	thermometer	GENA	OR			2	Each	ASH 180
1283	MCD	thermostat	GENA	OR			1	Each	ASH 180
1285	MCD	gas pressure switch	GENA	OR			2	Each	ASH 180
1480	MCD	thermostat	GENA	02			3	Each	Substation C
1491	MCD	thermostat	GENA	02			3	Each	Substation D
1566	MCD	thermostat	GENA	OR			2	Each	Substation G
1573	MCD	thermostat	GENA	OR			2	Each	Substation H
1584	MCD	thermostat	GENA	OR			2	Each	Substation J
1656	MCD	thermostat	GENA	01			1	Each	Security Office
2974	MCD	thermostat	GENA	02	B	42	1	Each	
3265	MCD	mercury switch	GENA	01	AD	49	1	Each	AC recovery

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3529	MCD	thermostat	GENA	01	A	65	1	Each	
3045	MED	bio hazard pail	GENA	01	AH	34	1	Each	
3175	MED	bio hazard pail	GENA	01	AH	41	1	Each	
3279	MED	biohazard pail	GENA	01	AD	51	1	Each	
3438	MED	biohazard pail	GENA	01	A	48	1	Each	in office
3500	MED	biohazard pail	GENA	01	A	56	1	Each	
3506	MED	biohazard pail	GENA	01	A	58	1	Each	
3646	MED	biohazard pail	GENA	01	AJ	44	1	Each	
3708	MED	biohazard pail	GENA	01	AF	34	1	Each	
3794	MED	biohazard pail	GENA	01	AA	59	1	Each	
3802	MED	biohazard pail	GENA	01	AB	46	1	Each	
3010	MIS	flammable locker	GENA	01	AK	44	2	Each	Misc. materials inside
3088	MIS	fuel fill tray	GENA	01	AH	56	1	Each	tray under fuel fill area
3180	MIS	brake evac and fill	GENA	01	AD	38	1	Each	T90597L #4
3181	MIS	brake evac and fill	GENA	01	AD	38	1	Each	T90597L #3
3183	MIS	brake evac and fill	GENA	01	AD	39	1	Each	T90597L #2
3184	MIS	brake evac and fill	GENA	01	AD	39	1	Each	T90597 #1
3267	MIS	flammable locker	GENA	01	AC	50	1	Each	
3289	MIS	flammable locker	GENA	01	AD	56	1	Each	
3480	MIS	flammable locker	GENA	01	A	49	1	Each	
3496	MIS	flammable locker	GENA	01	A	54	2	Each	
3549	MIS	flammable locker	GENA	01	B	53	1	Each	
3553	MIS	flammable locker	GENA	01	B	50	7	Each	
3748	MIS	flammable locker	GENA	01	AE	37	1	Each	
1377	OFM	gear box	GENA	OM	AJ	34	7	Each	T208 Belt Lift
1380	OFM	gear box	GENA	OM	AJ	33	3	Each	T202 Belt Lift
1382	OFM	gear box	GENA	OM	AH	32	3	Each	T625 Belt Lift
1384	OFM	gear box	GENA	OM	AF	33	3	Each	T601 Belt Lift
1385	OFM	gear box - conveyor drive	GENA	OM	AH	37	2	Each	Conveyor 782 drives
1386	OFM	oil reservoir	GENA	OM	AH	37	2	Each	Conveyor 782 Traban Lubricator
1388	OFM	oil reservoir	GENA	OM	AH	37	2	Each	Conveyor 782 chain lubricator
1389	OFM	oil reservoir	GENA	OM	AF	37	1	Each	Conveyor 782 Lubricator - Grease
1391	OFM	gear box - conveyor drive	GENA	OM	AE	37	1	Each	Conveyor 535
1392	OFM	gear box	GENA	OM	AF	41	3	Each	on Lift
1393	OFM	gear box	GENA	OM	AF	44	3	Each	on Lift
1397	OFM	gear box	GENA	OM	AM	37	3	Each	Vertical Lift 234
1398	OFM	gear box	GENA	OM	AM	37	3	Each	Vertical Lift 711
1399	OFM	gear box	GENA	OM	AM	37	4	Each	Vertical Lift
1400	OFM	gear box	GENA	OM	AF	39	3	Each	Vertical Lift
1401	OFM	gear box	GENA	OM	AF	41	3	Each	Elevator
1402	OFM	gear box	GENA	OM	AF	44	3	Each	Elevator
1404	OFM	oil reservoir	GENA	OM	AL	35	2	Each	Conveyor 770 Chain Lubricators

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1405	OFM	oil reservoir	GENA	OM	AL	35	2	Each	Conveyor 770 Traban Lubricators
1407	OFM	gear box - conveyor drive	GENA	OM	AL	35	2	Each	Conveyor 770
1408	OFM	gear box - conveyor drive	GENA	OM	AH	41	2	Each	Conveyor 762
1409	OFM	gear box - conveyor drive	GENA	OM	AH	37	2	Each	Conveyor 782
1410	OFM	gear box - conveyor drive	GENA	OM	AH	35	2	Each	Conveyor 783
1411	OFM	gear box - conveyor drive	GENA	OM	AD	32	1	Each	Conveyor 534 - Safety Decline
1412	OFM	gear box - conveyor drive	GENA	OM	AD	33	2	Each	Conveyor 303
1413	OFM	gear box - conveyor drive	GENA	OM	AC	33	2	Each	Conveyor 533
1414	OFM	gear box - conveyor drive	GENA	OM	AC	36	2	Each	Conveyor 532
1415	OFM	gear box - conveyor drive	GENA	OM	AE	37	1	Each	Conveyor 303
1416	OFM	gear box - conveyor drive	GENA	OM	AD	40	1	Each	Conveyor 790
1417	OFM	gear box - conveyor drive	GENA	OM	AD	41	2	Each	Conveyor 535
1418	OFM	gear box - conveyor drive	GENA	OM	AD	42	2	Each	Conveyor 792
1419	OFM	gear box - conveyor drive	GENA	OM	AD	45	2	Each	Conveyor 790
1420	OFM	gear box	GENA	OM	AD	44	3	Each	Elevator
1421	OFM	gear box - conveyor drive	GENA	OM	AD	45	2	Each	Conveyor 791
1422	OFM	gear box - conveyor drive	GENA	OM	AC	42	2	Each	Conveyor 724
1423	OFM	gear box - conveyor drive	GENA	OM	AC	44	2	Each	Conveyor 725
1424	OFM	gear box - conveyor drive	GENA	OM	AD	42	1	Each	Conveyor 721 - Decline Safety Conveyor
1425	OFM	gear box - conveyor drive	GENA	OM	A	39	2	Each	Conveyor 522
1426	OFM	gear box - conveyor drive	GENA	OM	A	37	1	Each	Conveyor 523 - Safety Decline Conveyor
1427	OFM	gear box - conveyor drive	GENA	OM	A	35	2	Each	Conveyor 721 - drive II
1428	OFM	gear box - conveyor drive	GENA	OM	AA	35	2	Each	Conveyor 722
1429	OFM	gear box - conveyor drive	GENA	OM	AD	35	1	Each	Conveyor 721 III
1430	OFM	gear box - conveyor drive	GENA	OM	AD	45	2	Each	Conveyor 790
1431	OFM	gear box	GENA	OM	AG	47	3	Each	T501 Belt Lift
1432	OFM	gear box - conveyor drive	GENA	OM	AF	48	1	Each	Conveyor 546 - Power Decline
1433	OFM	gear box	GENA	OM	AF	48	3	Each	T600 Main Line Lift
1434	OFM	gear box	GENA	OM	AH	46	3	Each	T108 Belt Lift
1435	OFM	gear box	GENA	OM	AG	46	3	Each	T102 Belt Lift
1436	OFM	gear box	GENA	OM	AG	47	3	Each	T502 Cross Transfer Lift
1437	OFM	gear box	GENA	OM	AF	47	3	Each	T506 Belt Lift
1438	OFM	gear box - conveyor drive	GENA	OM	AC	47	2	Each	Conveyor 536
1439	OFM	gear box - conveyor drive	GENA	OM	AA	47	2	Each	Conveyor 539
1440	OFM	gear box - conveyor drive	GENA	OM	AC	48	1	Each	Conveyor 352 - Safety Decline
1441	OFM	gear box - conveyor drive	GENA	OM	AJ	51	2	Each	Conveyor 541
1442	OFM	gear box - conveyor drive	GENA	OM	AK	53	2	Each	Conveyor 761
1443	OFM	gear box - conveyor drive	GENA	OM	AK	50	2	Each	Conveyor 540
1444	OFM	gear box - conveyor drive	GENA	OM	AM	47	2	Each	Conveyor 784
1445	OFM	gear box - conveyor drive	GENA	OM	AL	50	2	Each	Conveyor 780
1446	OFM	gear box - conveyor drive	GENA	OM	AM	51	2	Each	Conveyor 760
1447	OFM	gear box - conveyor drive	GENA	OM	AK	59	2	Each	Conveyor 537

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1448	OFM	gear box - conveyor drive	GENA	OM	AL	57	2	Each	Conveyor 751
1450	OFM	gear box - conveyor drive	GENA	OM	AJ	57	2	Each	Conveyor 542
1451	OFM	gear box - conveyor drive	GENA	OM	AG	59	2	Each	Conveyor 543
1452	OFM	gear box - conveyor drive	GENA	OM	AG	60	1	Each	Conveyor 544 - power decline
1453	OFM	gear box - conveyor drive	GENA	OM	AE	60	1	Each	Conveyor 548 - Power Decline
1454	OFM	gear box - conveyor drive	GENA	OM	AC	54	2	Each	Conveyor 538
1505	OFM	gear box - over head door	GENA	01	AN	37	2	Each	
1672	OFM	gear box - conveyor drive	GENA	01	AM	37	3	Each	roller conveyor
1673	OFM	gear box - conveyor drive	GENA	01	AM	37	3	Each	roller conveyor
1679	OFM	gear box - over head door	GENA	01	AN	39	1	Each	dock #289
1680	OFM	gear box - over head door	GENA	01	AN	39	1	Each	dock #290
1682	OFM	gear box - over head door	GENA	01	AN	41	1	Each	dock #298
1683	OFM	gear box - over head door	GENA	01	AN	41	1	Each	dock #302
1701	OFM	gear box - over head door	GENA	01	AN	55	1	Each	dock #22
1702	OFM	gear box - over head door	GENA	01	AN	55	1	Each	dock #021
1703	OFM	gear box - over head door	GENA	01	AN	57	1	Each	dock #005
1704	OFM	gear box - over head door	GENA	01	AN	57	1	Each	dock #002
1706	OFM	gear box - over head door	GENA	01	AN	58	1	Each	dock #34
1722	OFM	gear box - conveyor drive	GENA	OM	AG	34	5	Each	on floor conveyor for skillets
1724	OFM	gear box - conveyor drive	GENA	OM	AG	35	5	Each	on floor conveyor for skillet
1726	OFM	gear box - conveyor drive	GENA	OM	AG	36	5	Each	
1733	OFM	gear box - conveyor drive	GENA	OM	AF	34	10	Each	on floor conveyor for skillet
1734	OFM	gear box - conveyor drive	GENA	OM	AF	35	6	Each	on floor conveyor for skillet
1735	OFM	gear box - conveyor drive	GENA	OM	AF	36	10	Each	on floor conveyor for skillet
1736	OFM	gear box - conveyor drive	GENA	OM	AG	37	2	Each	on floor conveyor for skillet
1737	OFM	gear box - conveyor drive	GENA	OM	AG	38	6	Each	on floor conveyor for skillet
1738	OFM	gear box - conveyor drive	GENA	OM	AF	38	5	Each	on floor conveyor for skillet
1739	OFM	gear box - conveyor drive	GENA	OM	AF	37	6	Each	on floor conveyor for skillet
1744	OFM	gear box - conveyor drive	GENA	OM	AF	45	3	Each	roller conveyor
1745	OFM	gear box - conveyor drive	GENA	OM	AF	44	3	Each	roller conveyor
1746	OFM	gear box - conveyor drive	GENA	OM	AG	44	1	Each	roller conveyor
1747	OFM	gear box - conveyor drive	GENA	OM	AK	44	2	Each	roller conveyor
1748	OFM	gear box - conveyor drive	GENA	OM	AJ	44	9	Each	roller conveyor
1749	OFM	gear box - conveyor drive	GENA	OM	AK	43	5	Each	roller conveyor
1750	OFM	gear box - conveyor drive	GENA	OM	AL	42	3	Each	roller conveyor
1751	OFM	gear box - conveyor drive	GENA	OM	AL	41	3	Each	roller conveyor
1752	OFM	gear box - conveyor drive	GENA	OM	AL	40	6	Each	roller conveyor
1753	OFM	gear box - conveyor drive	GENA	OM	AL	37	5	Each	roller conveyor
1754	OFM	gear box - conveyor drive	GENA	OM	AK	37	2	Each	roller conveyor
1755	OFM	gear box - conveyor drive	GENA	OM	AJ	38	2	Each	roller conveyor
1756	OFM	gear box - conveyor drive	GENA	OM	AJ	38	2	Each	roller conveyor
1757	OFM	gear box - conveyor drive	GENA	OM	AH	38	2	Each	roller conveyor

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1758	OFM	gear box - conveyor drive	GENA	OM	AG	38	4	Each	roller conveyor
1759	OFM	gear box - conveyor drive	GENA	OM	AF	39	4	Each	roller conveyor
1760	OFM	gear box - conveyor drive	GENA	OM	AG	40	4	Each	roller conveyor
1761	OFM	gear box - conveyor drive	GENA	OM	AF	41	4	Each	roller conveyor
1762	OFM	gear box - conveyor drive	GENA	OM	AF	41	1	Each	roller conveyor
1763	OFM	gear box - conveyor drive	GENA	OM	AF	42	5	Each	roller conveyor
1764	OFM	gear box - conveyor drive	GENA	OM	AF	43	4	Each	roller conveyor
1765	OFM	gear box - conveyor drive	GENA	OM	AG	41	1	Each	roller conveyor
1766	OFM	gear box - conveyor drive	GENA	OM	AG	43	4	Each	roller conveyor
1767	OFM	gear box - conveyor drive	GENA	OM	AL	38	1	Each	roller conveyor
1768	OFM	gear box - conveyor drive	GENA	OM	AL	39	1	Each	roller conveyor
1769	OFM	gear box - conveyor drive	GENA	OM	AL	40	4	Each	roller conveyor
1770	OFM	gear box - conveyor drive	GENA	OM	AL	41	3	Each	roller conveyor
1771	OFM	gear box - conveyor drive	GENA	OM	AL	43	3	Each	roller conveyor
2098	OFM	oil reservoir	GENA	OM	AH	41	1	Each	Conveyor 762
2099	OFM	oil reservoir	GENA	OM	AH	41	1	Each	Conveyor 762 - 30 gal grease lubricator
2100	OFM	oil reservoir	GENA	OM	ah	41	1	Each	Conveyor 762 Traybon grease lubricators
2103	OFM	oil reservoir	GENA	OM	AH	37	2	Each	Conveyor 782 chain lubricators
2104	OFM	oil reservoir	GENA	OM	AH	37	1	Each	Conveyor 782 30 gal grease lubricator
2105	OFM	oil reservoir	GENA	OM	AH	37	2	Each	Conveyor 782 Traybon grease lubricators
2108	OFM	oil reservoir	GENA	OM	AH	35	2	Each	Conveyor 783 chain lubricator
2109	OFM	oil reservoir	GENA	OM	AH	35	1	Each	Conveyor 783 30 gal grease lubricator
2110	OFM	oil reservoir	GENA	OM	AH	35	2	Each	Conveyor 783 Traybon grease lubricator
2114	OFM	oil reservoir	GENA	OM	AD	33	2	Each	Conveyor 303 chain lubricator
2115	OFM	oil reservoir	GENA	OM	AD	33	1	Each	Conveyor 303 30 gal grease lubricator
2116	OFM	oil reservoir	GENA	OM	AD	33	2	Each	Conveyor 303 Trayban grease lubricator
2120	OFM	oil reservoir	GENA	OM	AC	33	2	Each	Conveyor 533 chain lubricator
2121	OFM	oil reservoir	GENA	OM	AC	33	1	Each	Conveyor 533 30 gal chain grease lubricator
2122	OFM	oil reservoir	GENA	OM	AC	33	2	Each	Conveyor 533 Trayban grease lubricator
2125	OFM	oil reservoir	GENA	OM	AC	36	2	Each	Conveyor 532 chain lubricator
2126	OFM	oil reservoir	GENA	OM	AC	36	1	Each	Conveyor 532 30 gal chain grease lubricator
2127	OFM	oil reservoir	GENA	OM	AC	36	2	Each	Conveyor 532 Trayban grease lubricator
2140	OFM	oil reservoir	GENA	OM	AD	41	2	Each	Conveyor 535 Chain Lubricator
2141	OFM	oil reservoir	GENA	OM	AD	41	2	Each	Conveyor 535 30 gal grease lubricator
2142	OFM	oil reservoir	GENA	OM	AD	41	2	Each	Conveyor 535 Traybon grease Lubricator
2146	OFM	oil reservoir	GENA	OM	AD	42	2	Each	Conveyor 792 chain lubricator
2147	OFM	oil reservoir	GENA	OM	AD	42	2	Each	Conveyor 792 30 gal grease lubricator
2148	OFM	oil reservoir	GENA	OM	AD	42	2	Each	Conveyor 792 Trayban grease lubricator
2152	OFM	oil reservoir	GENA	OM	AD	42	2	Each	Conveyor 790 chain lubricator
2153	OFM	oil reservoir	GENA	OM	AD	45	1	Each	Conveyor 790 30 gal grease lubricator
2154	OFM	oil reservoir	GENA	OM	AD	45	2	Each	Conveyor 790 Trayban grease Lubricator
2157	OFM	oil reservoir	GENA	OM	AD	45	2	Each	Conveyor 791 chain lubricators

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2158	OFM	oil reservoir	GENA	OM	AD	45	1	Each	Conveyor 791 grease lubricator
2159	OFM	oil reservoir	GENA	OM	AD	45	2	Each	Conveyor 791 Trayban grease lubricator
2164	OFM	oil reservoir	GENA	OM	AC	42	2	Each	Conveyor 724 chain lubricator
2165	OFM	oil reservoir	GENA	OM	AC	42	1	Each	Conveyor 724 30 gal grease lubricator
2166	OFM	oil reservoir	GENA	OM	AC	42	2	Each	Conveyor 724 Trayban grease lubricator
2168	OFM	oil reservoir	GENA	OM	AC	44	2	Each	Conveyor 725 chain lubricator
2169	OFM	oil reservoir	GENA	OM	AC	44	1	Each	Conveyor 725 30 gal grease lubricator
2170	OFM	oil reservoir	GENA	OM	AC	44	2	Each	Conveyor 725 Trayban grease lubricator
2175	OFM	oil reservoir	GENA	OM	AA	44	2	Each	Canadian overhead crane
2176	OFM	oil reservoir	GENA	OM	AA	41	2	Each	Chain lubricators in line
2178	OFM	oil reservoir	GENA	OM	A	39	2	Each	Conveyor 522 chain lubricator
2179	OFM	oil reservoir	GENA	OM	A	39	1	Each	Conveyor 522 30 gal grease lubricator
2180	OFM	oil reservoir	GENA	OM	A	39	2	Each	Conveyor 522 Trayban grease lubricator
2185	OFM	gear box - conveyor drive	GENA	OM	A	35	1	Each	Conveyor 721 drive 2
2186	OFM	oil reservoir	GENA	OM	A	35	2	Each	Conveyor 722 chain lubricator
2187	OFM	oil reservoir	GENA	OM	A	35	1	Each	Conveyor 722 30 gal grease lubricator
2188	OFM	oil reservoir	GENA	OM	AA	35	2	Each	Conveyor 722 Trayban grease lubricator
2189	OFM	oil reservoir	GENA	OM	AD	35	1	Each	Conveyor 721 drive 3 chain lubricator
2191	OFM	oil reservoir	GENA	OM	AD	45	2	Each	Conveyor 790 chain lubricator
2192	OFM	oil reservoir	GENA	OM	AD	45	2	Each	Conveyor 790 Trayban grease lubricator
2193	OFM	oil reservoir	GENA	OM	AD	45	1	Each	Conveyor 790 30 gal grease lubricator
2195	OFM	gear box - conveyor drive	GENA	OM	AG	47	3	Each	floor conveyor
2198	OFM	gear box - conveyor drive	GENA	OM	AF	48	3	Each	floor conveyor
2201	OFM	gear box - conveyor drive	GENA	OM	AG	46	3	Each	floor conveyor
2202	OFM	gear box - conveyor drive	GENA	OM	AH	46	3	Each	floor conveyor
2204	OFM	gear box - conveyor drive	GENA	OM	AG	47	3	Each	floor conveyor
2206	OFM	oil reservoir	GENA	OM	AC	54	2	Each	Conveyor 538 Trayban grease lubricator
2207	OFM	oil reservoir	GENA	OM	AC	54	2	Each	Conveyor 538 chain lubricator
2209	OFM	oil reservoir	GENA	OM	AC	54	1	Each	Conveyor 538 30 gal grease lubricator
2767	OFM	gear box - conveyor drive	GENA	OM	AA	51	2	Each	Tire delivery conveyor
2768	OFM	gear box - conveyor drive	GENA	OM	ZZ	50	1	Each	Tire delivery conveyor
2769	OFM	gear box	GENA	OM	AA	49	2	Each	Tire delivery system
2770	OFM	gear box - conveyor drive	GENA	OM	AA	48	1	Each	Tire delivery system
2771	OFM	gear box - conveyor drive	GENA	OM	A	48	2	Each	Tire delivery system
2772	OFM	gear box - conveyor drive	GENA	OM	A	45	2	Each	Tire delivery system
2774	OFM	oil reservoir	GENA	OM	AC	47	2	Each	Conveyor 536 chain lubricator
2775	OFM	oil reservoir	GENA	OM	AC	47	2	Each	Conveyor 536 Trayban grease lubricator
2777	OFM	oil reservoir	GENA	OM	AC	47	1	Each	Conveyor 536 30 gal grease lubricator
2778	OFM	oil reservoir	GENA	OM	AA	47	2	Each	Conveyor 539 Trayban grease lubricator
2779	OFM	oil reservoir	GENA	OM	AA	47	2	Each	Conveyor 539 chain lubricator
2781	OFM	oil reservoir	GENA	OM	AA	47	1	Each	Conveyor 539 30 gal grease lubricator
2783	OFM	gear box	GENA	OM	AF	47	3	Each	floor conveyor

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2784	OFM	oil reservoir	GENA	OM	AH	49	1	Each	30 gal grease lubricator
2786	OFM	oil reservoir	GENA	OM	AJ	51	2	Each	Conveyor 541 Trayban grease lubricator
2787	OFM	oil reservoir	GENA	OM	AJ	51	2	Each	Conveyor 541 chain lubricator
2788	OFM	oil reservoir	GENA	OM	AJ	51	1	Each	Conveyor 541 30 gal grease lubricator
2790	OFM	oil reservoir	GENA	OM	AK	53	2	Each	Conveyor 761 Trayban grease lubricator
2791	OFM	oil reservoir	GENA	OM	AK	53	2	Each	Conveyor 761 chain lubricators
2794	OFM	oil reservoir	GENA	OM	AK	50	2	Each	Conveyor 540 Trayban grease lubricator
2795	OFM	oil reservoir	GENA	OM	AK	50	2	Each	Conveyor 540 chain lubricator
2796	OFM	oil reservoir	GENA	OM	AK	50	1	Each	Conveyor 540 30 gal grease lubricator
2798	OFM	oil reservoir	GENA	OM	AM	47	2	Each	Conveyor 784 Trayban grease lubricator
2799	OFM	oil reservoir	GENA	OM	AM	47	2	Each	Conveyor 784 Chain lubricator
2801	OFM	oil reservoir	GENA	OM	AM	47	1	Each	Conveyor 784 30 gal grease lubricator
2802	OFM	oil reservoir	GENA	OM	AL	50	2	Each	Conveyor 780 Trayban grease lubricator
2803	OFM	oil reservoir	GENA	OM	AL	50	2	Each	Conveyor 780 chain lubricators
2804	OFM	oil reservoir	GENA	OM	AL	50	1	Each	Conveyor 780 30 gal grease lubricator
2806	OFM	oil reservoir	GENA	OM	AM	51	2	Each	Conveyor 760 Trayban grease lubricator
2807	OFM	oil reservoir	GENA	OM	AM	51	2	Each	Conveyor 760 chain lubricator
2808	OFM	oil reservoir	GENA	OM	AM	51	1	Each	Conveyor 760 30 gal grease lubricator
2811	OFM	oil reservoir	GENA	OM	AK	59	2	Each	Conveyor 537 Trayban lubricator
2812	OFM	oil reservoir	GENA	OM	AK	59	2	Each	Conveyor 537 chain lubricator
2814	OFM	oil reservoir	GENA	OM	AK	59	1	Each	Conveyor 537 30 gal grease lubricator
2815	OFM	oil reservoir	GENA	OM	AL	57	2	Each	Conveyor 751 Trayban grease lubricator
2816	OFM	oil reservoir	GENA	OM	AL	57	2	Each	Conveyor 751 chain lubricator
2817	OFM	oil reservoir	GENA	OM	AL	57	1	Each	Conveyor 751 30 gal grease lubricator
2819	OFM	oil reservoir	GENA	OM	AJ	57	2	Each	Conveyor 542 Trayban grease lubricator
2820	OFM	oil reservoir	GENA	OM	AJ	57	2	Each	Conveyor 542 chain lubricator
2821	OFM	oil reservoir	GENA	OM	AJ	57	1	Each	Conveyor 542 30 gal grease lubricator
2823	OFM	oil reservoir	GENA	OM	AG	59	2	Each	Conveyor 543 Trayban lubricator
2824	OFM	oil reservoir	GENA	OM	AG	59	2	Each	Conveyor 543 chain lubricator
2825	OFM	oil reservoir	GENA	OM	AG	59	1	Each	Conveyor 543 30 gal grease lubricator
2834	OFM	gear box - conveyor drive	GENA	01	AH	56	2	Each	Conveyor 549
2835	OFM	oil reservoir	GENA	01	AH	56	2	Each	Conveyor 549 chain lubricator
2836	OFM	oil reservoir	GENA	01	AH	56	2	Each	Conveyor 549 Trayban grease lubricator
2838	OFM	oil reservoir	GENA	01	AH	56	1	Each	Conveyor 549 30 gal grease lubricator
2839	OFM	gear box - conveyor drive	GENA	OM	AB	50	1	Each	Conveyor 725 safety decline
2841	OFM	gear box - conveyor drive	GENA	OM	AA	46	2	Each	Conveyor 530
2842	OFM	oil reservoir	GENA	OM	AA	46	2	Each	Conveyor 530 Trayban lubricator
2843	OFM	oil reservoir	GENA	OM	AA	46	2	Each	Conveyor 530 chain lubricator
2845	OFM	oil reservoir	GENA	OM	AA	46	1	Each	Conveyor 530 30 gal grease lubricator
2846	OFM	gear box - conveyor drive	GENA	OM	C	47	2	Each	Conveyor 520
2847	OFM	oil reservoir	GENA	OM	C	47	2	Each	Conveyor 520 Trayban lubricator
2848	OFM	oil reservoir	GENA	OM	C	47	2	Each	Conveyor 520 chain lubricator

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2850	OFM	oil reservoir	GENA	OM	C	47	1	Each	Conveyor 520 30 gal grease lubricator
2852	OFM	oil reservoir	GENA	OM	C	44	2	Each	chain lubricator
2855	OFM	gear box - conveyor drive	GENA	OM	AE	58	2	Each	Conveyor 547
2856	OFM	oil reservoir	GENA	OM	AE	58	2	Each	Conveyor 547 chain lubricator
2857	OFM	oil reservoir	GENA	OM	AE	58	2	Each	Conveyor 547 Trayban lubricator
2859	OFM	oil reservoir	GENA	OM	AE	58	1	Each	Conveyor 547 30 gal grease lubricator
2860	OFM	gear box - conveyor drive	GENA	OM	AG	56	2	Each	Conveyor 781
2861	OFM	oil reservoir	GENA	OM	AG	56	2	Each	Conveyor 781 chain lubricator
2862	OFM	oil reservoir	GENA	OM	AG	56	2	Each	Conveyor 781 Trayban lubricator
2865	OFM	oil reservoir	GENA	OM	AG	56	1	Each	Conveyor 781 30 gal grease lubricator
2919	OFM	gear box - conveyor drive	GENA	01	AD	50	3	Each	Conveyor 601 in pit (one box loose on floor)
2920	OFM	oil reservoir	GENA	01	AD	50	2	Each	Conveyor 601 chain lubricators in pit
2949	OFM	gear box - conveyor drive	GENA	01	A	63	4	Each	In pit for flat top conveyor
2985	OFM	oil reservoir	GENA	01	AK	49	1	Each	50 gal chain master lubricator unit #4
2987	OFM	lift	GENA	01	AK	48	1	Each	parts elevator
2992	OFM	gear box - conveyor drive	GENA	01	AK	47	4	Each	on floor conveyor
2993	OFM	gear box - conveyor drive	GENA	01	AC	47	1	Each	on floor conveyor
2994	OFM	gear box - conveyor drive	GENA	01	AK	48	1	Each	roller conveyor
2997	OFM	robot	GENA	01	AK	46	2	Each	T77963 primer/urathane robots
2999	OFM	drum feeder	GENA	01	AK	46	2	Each	Betaseal
3009	OFM	gear box - conveyor drive	GENA	01	AK	45	3	Each	
3013	OFM	drum feeder	GENA	01	AK	44	1	Each	urathane adhesive
3016	OFM	robot	GENA	01	AK	44	1	Each	Primer
3017	OFM	gear box - conveyor drive	GENA	01	AK	43	1	Each	floor conveyor
3018	OFM	gear box - conveyor drive	GENA	01	AL	43	1	Each	floor conveyor
3034	OFM	gear box - over head door	GENA	01	AH	31	1	Each	dock #604
3035	OFM	gear box - over head door	GENA	01	AH	31	1	Each	dock #606
3036	OFM	lift	GENA	01	AH	33	1	Each	parts elevator
3037	OFM	lift	GENA	01	AJ	33	1	Each	parts elevator
3041	OFM	gear box - conveyor drive	GENA	01	AH	33	2	Each	on floor conveyor
3042	OFM	gear box - conveyor drive	GENA	01	AH	34	2	Each	on floor conveyor
3060	OFM	gear box - conveyor drive	GENA	01	AH	45	5	Each	floor conveyor
3062	OFM	lift	GENA	01	AH	46	1	Each	parts elevator T108
3063	OFM	gear box - conveyor drive	GENA	01	AH	46	2	Each	floor conveyor
3071	OFM	oil reservoir	GENA	01	AH	52	1	Each	50 gal chain lubricator #3
3093	OFM	oil reservoir	GENA	01	AG	58	1	Each	50 gal chain lubricator #1
3106	OFM	gear box - conveyor drive	GENA	01	AG	52	2	Each	Roller conveyor for tire delivery
3121	OFM	lift	GENA	01	AG	47	1	Each	parts elevator
3122	OFM	gear box - conveyor drive	GENA	01	AG	47	3	Each	floor conveyor
3123	OFM	lift	GENA	01	AG	46	1	Each	parts elevator
3129	OFM	gear box - conveyor drive	GENA	01	AG	45	1	Each	floor conveyor
3149	OFM	gear box - conveyor drive	GENA	01	AG	34	4	Each	floor conveyor

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3150	OFM	gear box - conveyor drive	GENA	01	AG	33	2	Each	floor conveyor system
3151	OFM	lift	GENA	01	AG	33	1	Each	parts elevator
3152	OFM	oil reservoir	GENA	01	AG	33	1	Each	50 gal chain lubricator #9
3153	OFM	gear box - over head door	GENA	01	AG	31	1	Each	dock #605
3154	OFM	gear box - over head door	GENA	01	AG	31	1	Each	dock #601
3155	OFM	gear box - over head door	GENA	01	AG	31	1	Each	dock #603
3157	OFM	lift	GENA	01	AF	33	1	Each	parts elevator T601
3165	OFM	oil reservoir	GENA	01	AD	34	1	Each	50 gal chain lubricator #10
3214	OFM	oil reservoir	GENA	01	AD	42	1	Each	50 gal chain lubricator #6
3219	OFM	robot	GENA	01	AD	44	1	Each	Sta 3, slot #5 Node #11
3221	OFM	robot	GENA	01	AD	44	1	Each	Sta 3 slot 16 node #14
3222	OFM	robot	GENA	01	AD	43	1	Each	Sta 3 slot 16 node #12
3224	OFM	robot	GENA	01	AD	44	1	Each	Sta 5 slot 16 node 12
3225	OFM	robot	GENA	01	AD	44	1	Each	Sta 5 slot 16 node 14
3230	OFM	robot	GENA	01	AD	44	1	Each	sta 5 slot #15 node 13
3231	OFM	robot	GENA	01	AD	44	1	Each	sta 5 slot #15 node 11
3232	OFM	robot	GENA	01	AD	45	1	Each	sta 5 slot 15 node 15
3236	OFM	hydraulic pump	GENA	01	AG	31	1	Each	dock #605
3237	OFM	hydraulic pump	GENA	01	AG	31	1	Each	dock #601
3238	OFM	hydraulic pump	GENA	01	AG	31	1	Each	dock # 603
3239	OFM	hydraulic pump	GENA	01	AH	31	1	Each	dock #604
3240	OFM	hydraulic pump	GENA	01	AH	31	1	Each	dock #606
3243	OFM	hydraulic pump	GENA	01	AN	39	1	Each	dock #289
3244	OFM	hydraulic pump	GENA	01	AN	39	1	Each	dock #290
3245	OFM	hydraulic pump	GENA	01	AN	41	1	Each	dock #298
3246	OFM	hydraulic pump	GENA	01	AN	41	1	Each	dock #302
3247	OFM	hydraulic pump	GENA	01	AN	55	1	Each	dock #022
3248	OFM	hydraulic pump	GENA	01	AN	55	1	Each	dock #021
3249	OFM	hydraulic pump	GENA	01	AN	57	1	Each	dock #005
3250	OFM	hydraulic pump	GENA	01	AN	57	1	Each	dock #002
3251	OFM	hydraulic pump	GENA	01	AN	58	1	Each	dock #034
3256	OFM	hydraulic pump	GENA	01	AC	13	1	Each	dock #091
3257	OFM	hydraulic pump	GENA	01	AC	13	1	Each	dock #093
3273	OFM	lift	GENA	01	AD	51	1	Each	hydraulics on car lift
3274	OFM	lift	GENA	01	AD	50	2	Each	hydraulics on car lift
3276	OFM	lift	GENA	01	AD	50	1	Each	Small car jack
3284	OFM	lift	GENA	01	AD	54	3	Each	hydraulics on car lift
3285	OFM	lathe	GENA	01	AD	56	1	Each	hydraulics on car lift
3287	OFM	lift	GENA	01	AD	55	1	Each	hydraulics on car lift
3288	OFM	lift	GENA	01	AD	56	2	Each	hydraulics on car lift
3292	OFM	lift	GENA	01	AD	57	1	Each	hydraulics on car lift
3294	OFM	gear box - conveyor drive	GENA	01	AH	39	1	Each	on floor roller conveyor

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3296	OFM	lift	GENA	01	AD	58	2	Each	hydraulics on car lift
3297	OFM	lift	GENA	01	AD	59	3	Each	hydraulics on car lift
3299	OFM	lift	GENA	01	AC	59	1	Each	hand car jack
3305	OFM	lift	GENA	01	AC	60	2	Each	hydraulics on car lift
3343	OFM	gear box	GENA	01	AC	52	30	Each	In roll test booth, 5 on each unit
3344	OFM	hydraulic pump	GENA	01	AC	52	1	Each	In roll test pit
3349	OFM	oil reservoir	GENA	01	AC	53	1	Each	In roll test pit 30 gallon grease lubricatgor
3351	OFM	lift table	GENA	01	AC	50	1	Each	in roll test booth
3366	OFM	oil reservoir	GENA	01	AB	42	1	Each	30 gal chain lubricator
3368	OFM	gear box - conveyor drive	GENA	01	AC	412	2	Each	floor conveyor
3378	OFM	gear box - over head door	GENA	01	AC	31	1	Each	dock # 412
3379	OFM	hydraulic pump	GENA	01	AC	31	1	Each	door #412
3380	OFM	gear box - over head door	GENA	01	AC	31	1	Each	dock #411
3381	OFM	hydraulic pump	GENA	01	AC	31	1	Each	dock #411
3382	OFM	gear box - over head door	GENA	01	AC	31	1	Each	dock #410
3383	OFM	hydraulic pump	GENA	01	AC	31	1	Each	dock #410
3384	OFM	gear box - over head door	GENA	01	AB	31	1	Each	dock # 409
3385	OFM	hydraulic pump	GENA	01	AB	31	1	Each	dock #409
3386	OFM	gear box - over head door	GENA	01	AB	31	1	Each	dock #407
3387	OFM	hydraulic pump	GENA	01	AB	31	1	Each	dock #407
3388	OFM	gear box - over head door	GENA	01	AB	31	1	Each	dock # 406
3389	OFM	hydraulic pump	GENA	01	AB	31	1	Each	dock #406
3396	OFM	transmissions	GENA	01	AB	34	1	Each	loose transmissions (scrap) on floor
3397	OFM	engine	GENA	01	AB	34	3	Each	loose on floor (scrap)
3398	OFM	transfer case	GENA	01	AB	34	3	Each	loose on floor (scrap)
3416	OFM	oil reservoir	GENA	01	B	39	1	Each	50 gal chain lubricator
3436	OFM	oil reservoir	GENA	01	B	47	1	Each	50 gal chain lubricator #5
3446	OFM	oil reservoir	GENA	01	AC	50	1	Each	Fori #1 30 gal grease lubricator
3447	OFM	gear box	GENA	01	AC	50	1	Each	Fori #1
3452	OFM	oil reservoir	GENA	01	AC	50	3	Each	Fori #2 30 gal grease lubricator
3453	OFM	gear box	GENA	01	AC	50	1	Each	Fori #2
3458	OFM	oil reservoir	GENA	01	AC	50	1	Each	Fori #3 30 gal grease lubricator
3459	OFM	gear box	GENA	01	AC	50	1	Each	Fori #3
3464	OFM	oil reservoir	GENA	01	AC	50	1	Each	Fori #4 30 gal grease lubricator
3465	OFM	gear box	GENA	01	AC	50	1	Each	Fori #4
3470	OFM	oil reservoir	GENA	01	AC	50	1	Each	Fori #5 30 gal grease lubricator
3471	OFM	gear box	GENA	01	AC	50	1	Each	Fori #5
3481	OFM	hydraulic pump	GENA	01	A	49	1	Each	
3507	OFM	lift	GENA	01	A	59	1	Each	hydraulics on car lift
3517	OFM	lift	GENA	01	A	63	1	Each	hydraulics on car lift
3526	OFM	lift	GENA	01	A	65	1	Each	floor jack
3527	OFM	hydraulic pump	GENA	01	A	65	1	Each	500 gal

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
3537	OFM	lift	GENA	01	A	65	1	Each	hydraulics on car lift
3539	OFM	lift	GENA	01	B	60	2	Each	hydraulics on car lift
3541	OFM	lift	GENA	01	B	58	1	Each	hydraulics on car lift
3542	OFM	lift	GENA	01	B	57	1	Each	hydraulics on car lift
3545	OFM	compactor	GENA	01	B	56	1	Each	waste disposal unit in paint
3547	OFM	compactor	GENA	01	B	53	1	Each	waste disposal unit
3551	OFM	gear box - over head door	GENA	01	B	52	1	Each	
3557	OFM	gear box - over head door	GENA	01	B	50	1	Each	
3564	OFM	gear box - conveyor drive	GENA	01	AN	37	4	Each	roller conveyor
3565	OFM	gear box - conveyor drive	GENA	01	AN	37	2	Each	roller conveyor
3570	OFM	gear box - conveyor drive	GENA	01	AM	38	1	Each	roller conveyor
3571	OFM	gear box - over head door	GENA	01	AN	40	1	Each	dock # 292
3572	OFM	hydraulic pump	GENA	01	AN	40	1	Each	dock #292
3573	OFM	gear box - over head door	GENA	01	AN	40	1	Each	dock #294
3574	OFM	hydraulic pump	GENA	01	AN	40	1	Each	dock #294
3575	OFM	gear box - conveyor drive	GENA	01	AN	40	1	Each	dock #296
3576	OFM	hydraulic pump	GENA	01	AN	40	1	Each	dock #296
3577	OFM	gear box - over head door	GENA	01	AN	42	1	Each	dock #307
3578	OFM	hydraulic pump	GENA	01	AN	42	1	Each	dock #307
3583	OFM	gear box - over head door	GENA	01	AN	48	1	Each	dock #076
3584	OFM	hydraulic pump	GENA	01	AN	48	1	Each	dock #076
3590	OFM	gear box - over head door	GENA	01	AN	56	1	Each	dock #017
3591	OFM	gear box - over head door	GENA	01	AN	56	1	Each	dock #018
3592	OFM	hydraulic pump	GENA	01	AN	56	1	Each	Dock #017
3593	OFM	hydraulic pump	GENA	01	AN	56	1	Each	dock #018
3610	OFM	robot	GENA	01	AL	46	1	Each	3602158
3611	OFM	robot	GENA	01	AL	46	1	Each	3602162
3612	OFM	robot	GENA	01	AL	44	1	Each	3602160
3613	OFM	robot	GENA	01	AL	44	1	Each	3602148
3614	OFM	gear box	GENA	01	AL	44	2	Each	conveyor belt
3616	OFM	oil reservoir	GENA	01	AL	44	2	Each	lubricators
3618	OFM	oil reservoir	GENA	01	AK	40	1	Each	50 gal chain lubricator #7
3631	OFM	gear box - conveyor drive	GENA	01	AJ	34	6	Each	on conveyor belt
3645	OFM	gear box - conveyor drive	GENA	01	AJ	43	5	Each	on conveyor belt
3681	OFM	elevator	GENA	01	AF	49	1	Each	
3686	OFM	lift	GENA	01	AF	47	1	Each	parts elevator
3687	OFM	gear box - conveyor drive	GENA	01	AF	46	1	Each	
3690	OFM	lift	GENA	01	AF	44	1	Each	parts elevator
3693	OFM	lift	GENA	01	AF	42	1	Each	parts elevator
3695	OFM	lift	GENA	01	AF	41	1	Each	parts elevator
3697	OFM	lift	GENA	01	AF	39	1	Each	
3709	OFM	gear box - conveyor drive	GENA	01	AF	33	1	Each	

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3710	OFM	gear box - over head door	GENA	01	AF	31	1	Each	dock #834
3711	OFM	hydraulic pump	GENA	01	AF	31	1	Each	dock #834
3724	OFM	oil reservoir	GENA	01	AD	50	1	Each	50 gal chain lubricator
3747	OFM	drum feeder	GENA	01	AE	37	2	Each	55 gal drums
3776	OFM	gear box - over head door	GENA	01	AB	65	2	Each	
3783	OFM	oil reservoir	GENA	01	AB	58	1	Each	50 gal chain lubricator
3786	OFM	gear box - conveyor drive	GENA	01	AA	56	2	Each	
3816	OFM	oil reservoir	GENA	01	AA	42	1	Each	50 gal chain lubricator
3833	OFM	oil reservoir	GENA	01	AA	35	1	Each	30 gal grease lubricator
3834	OFM	oil reservoir	GENA	01	AA	36	1	Each	30 gal grease lubricator
3842	OFM	oil reservoir	GENA	01	A	58	1	Each	30 gal grease lubricator
3866	OFM	gear box	GENA	01	AA	60	1	Each	
3876	OFM	gear box - over head door	GENA	01	AA	65	1	Each	
3879	OFM	gear box - over head door	GENA	01	AA	65	1	Each	water test booth
3888	OFM	gear box - over head door	GENA	01	B	65	1	Each	
3893	OFM	oil reservoir	GENA	01	B	57	1	Each	grease
3898	OFM	oil reservoir	GENA	01	C	57	1	Each	30 gal grease lubricator
3485	OVN	ovens	GENA	01	A	51	1	Each	Drying oven
1506	PIT	conveyor	GENA	01	AL	44	1	Each	122' x 10' x 2' Skillet Conveyor Pit - runs north
1507	PIT	conveyor	GENA	01	AL	43	1	Each	93' x 23' x 2' Skillet Conveyor Pit - runs north
1508	PIT	conveyor	GENA	01	AJ		1	Each	417' x 10' x 2' Skillet Conveyor - runs North
1509	PIT	conveyor	GENA	01	AL	47	1	Each	181' x 10' x 2' Skillet Conveyor - runs west
2874	PIT	conveyor	GENA	01	AG	34-46	1	Each	432' X 10' X 2' skillet conveyor pit
2876	PIT	elevator	GENA	01	AH	47	1	Each	22' x 25' x 5' parts elevator pit - debris
2877	PIT	elevator	GENA	01	AG	47	1	Each	22' x 25' x 5' parts elevator pits - debris
2878	PIT	conveyor	GENA	01	AH	34-46	1	Each	432' x 10' x 2' skillet conveyor pit
2879	PIT	elevator	GENA	01	AH	33	1	Each	49' x 22' x 5' parts elevator pit - debris
2880	PIT	elevator	GENA	01	AG	33	1	Each	49' x 22' x 5' parts elevator pit - debris
2881	PIT	elevator	GENA	01	AJ	33	1	Each	49' x 22' x 5' parts elevator pit - debris
2882	PIT	elevator	GENA	01	AF	33	1	Each	49' x 22' x 5' parts elevator pit - debris
2883	PIT	conveyor	GENA	01	AF	34-46	1	Each	544' x 10' x 2' skillet conveyor pit - debris
2884	PIT	elevator	GENA	01	AF	47	1	Each	49' x 22' x 5' parts elevator pit - debris
2885	PIT	conveyor	GENA	01	AH-AJ	48	1	Each	69' x 16' x 7' conveyor pit - debris
2886	PIT	conveyor	GENA	01	AJ	48	1	Each	205' x 17' x 7' conveyor pit - debris
2887	PIT	conveyor	GENA	01	AH	48	1	Each	39' x 17' x 7' conveyor pit - debris
2889	PIT	conveyor	GENA	01	AH	55	1	Each	45' x 17' x 7' 1st section of conveyor pit - debris
2890	PIT	conveyor	GENA	01	AH	55	1	Each	16' x 16' x 7' 2nd section of conveyor pit - debris
2891	PIT	conveyor	GENA	01	AH	55	1	Each	27' x 17' x 7' 3rd section of conveyor pit - debris
2892	PIT	conveyor	GENA	01	AJ	48-51	1	Each	106' x 17' x 7' conveyor pit - debris
2893	PIT	conveyor	GENA	01	AH	58-59	1	Each	51' x 27' x 7' fluid fill pit - debris & odor
2898	PIT	conveyor	GENA	01	AH	56-58	1	Each	44' x 27' x 7' entrance section to pit - debris
2899	PIT	conveyor	GENA	01	AH	55-56	1	Each	25' x 25' x 7' entrance section to pit - debris

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
2902	PIT	conveyor	GENA	01	AF	50-59	1	Each	360' x 8' x 7' conveyor pit - debris
2905	PIT	conveyor	GENA	01	AE	50-51	1	Each	37' x 15' x 7' entrance to conveyor pit 547 - debris
2907	PIT	conveyor	GENA	01	AE	51-54	1	Each	48' x 8' x 7' entrance to conveyor pit - debris
2908	PIT	conveyor	GENA	01	AE	54-58	1	Each	159' x 10' x 7' conveyor pit - debris, severe staining
2909	PIT	conveyor	GENA	01	AE	58-59	1	Each	32' x 14' x 7' entrance to conveyor pit - debris
2910	PIT	conveyor	GENA	01	AD	58-59	1	Each	21' x 18' x 7' entrance to conveyor pit 601 -severe staining
2914	PIT	conveyor	GENA	01	AD	55-58	1	Each	357' x 15' x 7' conveyor pit - debris
2915	PIT	conveyor	GENA	01	AC-AD	55	1	Each	65' x 15' x 7' conveyor pit - debris
2922	PIT	personnel	GENA	01	AC	44	1	Each	41' x 4' x 7' personnel tunnel
2925	PIT	personnel	GENA	01	AC	46	1	Each	62' x 4' x 7' personnel tunnel
2926	PIT	conveyor	GENA	01	AC	41-42	1	Each	34' x 21' x 7' entrance to conveyor pit - debris
2929	PIT	conveyor	GENA	01	AC	38-41	1	Each	118' x 15' x 7' conveyor pit - debris
2930	PIT	conveyor	GENA	01	AC	38	1	Each	41' x 20' x 7' entrance to pit - debris
2931	PIT	conveyor	GENA	01	AC	33-37	1	Each	192' x 11' x 7' conveyor pit - debris
2934	PIT	conveyor	GENA	01	AB	33-34	1	Each	42' x 14' x 7' entrance to pit
2937	PIT	conveyor	GENA	01	AB	34-45	1	Each	473' x 8' x 7' conveyor pit - debris
2938	PIT	conveyor	GENA	01	AB	45	1	Each	32' x 14' x 7' entrance to pit - debris
2939	PIT	pit	GENA	01			1	Each	108' x 41' x 10' Fori alignment pit - debris
2940	PIT	pit	GENA	01			1	Each	125' x 40' x 81' Roll Test pit - debris
2943	PIT	pit	GENA	01	A	61	1	Each	51' x 27' x 14' watertest booth pit - water
2945	PIT	conveyor	GENA	01	A	62-63	1	Each	43' x 24' x 8' entrance to pit
2950	PIT	conveyor	GENA	01	A	55-63	2	Each	336' x 16' x 8' Flat top conveyors - debris
2951	PIT	conveyor	GENA	01	A	53	1	Each	43' x 24' x 8' entrance to conveyor - debris
2953	PIT	conveyor	GENA	01	B	58	1	Each	22' x 21' x 10' entrance to pit - debris
2954	PIT	conveyor	GENA	01	B	49-58	1	Each	305' x 11' x 10' conveyor pit - debris
2955	PIT	conveyor	GENA	01	B	50	1	Each	35' x 11' x 10' entrance to pit - debris
2956	PIT	conveyor	GENA	01	B	51	1	Each	42' x 17' x 16' west side of paint booth
2958	PIT	pit	GENA	01	B	50	1	Each	36' x 17' x 16' under paint booth
2960	PIT	conveyor	GENA	01	B	48	1	Each	16' x 13' x 8' entrance to pit
2961	PIT	conveyor	GENA	01	A	42-47	1	Each	195' x 24' x 3' conveyor pit - debris
2963	PIT	conveyor	GENA	01	AB-A	42	1	Each	43' x 8' x 3' conveyor pit - debris
2964	PIT	conveyor	GENA	01	AB-A	42-47	1	Each	166' x 8' x 3' conveyor pit - debris
2965	PIT	conveyor	GENA	01	B	39-40	1	Each	47' x 16' x 4' conveyor pit - debris & heavy staining
2967	PIT	conveyor	GENA	01	B	40-47	1	Each	293' x 8' x 4' conveyor pit - debris
6936	PIT	conveyor	GENA	01	AH	58-59	1	Each	Gasoline fuel fill
863	RAD	smoke detector	GENA	OR			1	Each	ASH 149
864	RAD	smoke detector	GENA	OR			1	Each	ASH 137
865	RAD	smoke detector	GENA	OR			1	Each	ASH 162
866	RAD	smoke detector	GENA	OR			1	Each	ASH 152
867	RAD	smoke detector	GENA	OR			1	Each	ASH 150
868	RAD	smoke detector	GENA	OR			1	Each	ASH 151
869	RAD	smoke detector	GENA	OR			1	Each	ASH 161

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
870	RAD	smoke detector	GENA	OR			1	Each	ASH 147
871	RAD	smoke detector	GENA	OR			1	Each	ASH 148
872	RAD	smoke detector	GENA	OR			1	Each	ASH 160
873	RAD	smoke detector	GENA	OR			1	Each	ASH 153
874	RAD	smoke detector	GENA	OR			1	Each	ASH 138
875	RAD	smoke detector	GENA	OR			1	Each	ASH 139
876	RAD	smoke detector	GENA	OR			1	Each	ASH 140
877	RAD	smoke detector	GENA	OR			1	Each	ASH 141
878	RAD	smoke detector	GENA	OR			1	Each	ASH 143
879	RAD	smoke detector	GENA	OR			1	Each	ASH 144
880	RAD	smoke detector	GENA	OR			1	Each	ASH 146
881	RAD	smoke detector	GENA	OR			1	Each	ASH 100
882	RAD	smoke detector	GENA	OR			1	Each	ASH 101
883	RAD	smoke detector	GENA	OR			1	Each	ASH 102
884	RAD	smoke detector	GENA	OR			1	Each	ASH 103
885	RAD	smoke detector	GENA	OR			1	Each	ASH 104
886	RAD	smoke detector	GENA	OR			1	Each	ASH 106
887	RAD	smoke detector	GENA	OR			1	Each	ASH 107
888	RAD	smoke detector	GENA	OR			1	Each	ASH 108
889	RAD	smoke detector	GENA	OR			1	Each	ASH 109
890	RAD	smoke detector	GENA	OR			1	Each	ASH 110
891	RAD	smoke detector	GENA	OR			1	Each	ASH 111
892	RAD	smoke detector	GENA	OR			1	Each	ASH 112
893	RAD	smoke detector	GENA	OR			1	Each	ASH 113
894	RAD	smoke detector	GENA	OR			1	Each	ASH 114
895	RAD	smoke detector	GENA	OR			1	Each	ASH 115
896	RAD	smoke detector	GENA	OR			1	Each	ASH 116
897	RAD	smoke detector	GENA	OR			1	Each	ASH 117
898	RAD	smoke detector	GENA	OR			1	Each	ASH 118
899	RAD	smoke detector	GENA	OR			1	Each	ASH 119
900	RAD	smoke detector	GENA	OR			1	Each	ASH 120
901	RAD	smoke detector	GENA	OR			1	Each	ASH 122
902	RAD	smoke detector	GENA	OR			1	Each	ASH 125
903	RAD	smoke detector	GENA	OR			1	Each	ASH 127
904	RAD	smoke detector	GENA	OR			1	Each	ASH 128
905	RAD	smoke detector	GENA	OR			1	Each	ASH 129
906	RAD	smoke detector	GENA	OR			1	Each	ASH 130
907	RAD	smoke detector	GENA	OR			1	Each	ASH 131
908	RAD	smoke detector	GENA	OR			1	Each	ASH 132
909	RAD	smoke detector	GENA	OR			1	Each	ASH 133
910	RAD	smoke detector	GENA	OR			1	Each	ASH 134
911	RAD	smoke detector	GENA	OR			1	Each	ASH 136

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
912	RAD	smoke detector	GENA	OR			1	Each	ASH 164
913	RAD	smoke detector	GENA	OR			1	Each	ASH 155
914	RAD	smoke detector	GENA	OR			1	Each	ASH 156
915	RAD	smoke detector	GENA	OR			1	Each	ASH 157
916	RAD	smoke detector	GENA	OR			1	Each	ASH 169
917	RAD	smoke detector	GENA	OR			1	Each	ASH 105
918	RAD	smoke detector	GENA	OR			1	Each	ASH 177
919	RAD	smoke detector	GENA	OR			1	Each	ASH 178
920	RAD	smoke detector	GENA	OR			1	Each	ASH 179
921	RAD	smoke detector	GENA	OR			1	Each	ASH 171
922	RAD	smoke detector	GENA	OR			1	Each	ASH 172
923	RAD	smoke detector	GENA	OR			1	Each	ASH 173
924	RAD	smoke detector	GENA	OR			1	Each	ASH 174
925	RAD	smoke detector	GENA	OR			1	Each	ASH 175
926	RAD	smoke detector	GENA	OR			1	Each	ASH 176
927	RAD	smoke detector	GENA	OR			1	Each	ASH 190
928	RAD	smoke detector	GENA	OR			1	Each	ASH 191
929	RAD	smoke detector	GENA	OR			1	Each	ASH 182
930	RAD	smoke detector	GENA	OR			1	Each	ASH 183
931	RAD	smoke detector	GENA	OR			1	Each	ASH 184
932	RAD	smoke detector	GENA	OR			1	Each	ASH 185
933	RAD	smoke detector	GENA	OR			1	Each	ASH 186
934	RAD	smoke detector	GENA	OR			1	Each	ASH 187
935	RAD	smoke detector	GENA	OR			1	Each	ASH 165
936	RAD	smoke detector	GENA	OR			1	Each	ASH 166
937	RAD	smoke detector	GENA	OR			1	Each	ASH 163
938	RAD	smoke detector	GENA	OR			1	Each	ASH 520
939	RAD	smoke detector	GENA	OR			1	Each	ASH 508
940	RAD	smoke detector	GENA	OR			1	Each	ASH 509
941	RAD	smoke detector	GENA	OR			1	Each	ASH 518
942	RAD	smoke detector	GENA	OR			1	Each	ASH 516
943	RAD	smoke detector	GENA	OR			1	Each	ASH 301
944	RAD	smoke detector	GENA	OR			1	Each	ASH 302
945	RAD	smoke detector	GENA	OR			1	Each	ASH 303
946	RAD	smoke detector	GENA	OR			1	Each	ASH 304
947	RAD	smoke detector	GENA	OR			1	Each	ASH 305
948	RAD	smoke detector	GENA	OR			1	Each	ASH 306
949	RAD	smoke detector	GENA	OR			1	Each	ASH 307
950	RAD	smoke detector	GENA	OR			1	Each	ASH 308
951	RAD	smoke detector	GENA	OR			1	Each	ASH 309
952	RAD	smoke detector	GENA	OR			1	Each	ASH 310
953	RAD	smoke detector	GENA	OR			1	Each	ASH 311

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
954	RAD	smoke detector	GENA	OR			1	Each	ASH 312
955	RAD	smoke detector	GENA	OR			1	Each	ASH 313
956	RAD	smoke detector	GENA	OR			1	Each	ASH 314
957	RAD	smoke detector	GENA	OR			1	Each	ASH 315
958	RAD	smoke detector	GENA	OR			1	Each	ASH 316
959	RAD	smoke detector	GENA	OR			1	Each	ASH 317
960	RAD	smoke detector	GENA	OR			1	Each	ASH 318
961	RAD	smoke detector	GENA	OR			1	Each	ASH 319
962	RAD	smoke detector	GENA	OR			1	Each	ASH 320
963	RAD	smoke detector	GENA	OR			1	Each	ASH 321
964	RAD	smoke detector	GENA	OR			1	Each	ASH 322
965	RAD	smoke detector	GENA	OR			1	Each	ASH 323
966	RAD	smoke detector	GENA	OR			1	Each	ASH 324
967	RAD	smoke detector	GENA	OR			1	Each	ASH 325
968	RAD	smoke detector	GENA	OR			1	Each	ASH 326
969	RAD	smoke detector	GENA	OR			1	Each	ASH 327
970	RAD	smoke detector	GENA	OR			1	Each	ASH 328
971	RAD	smoke detector	GENA	OR			1	Each	ASH 329
972	RAD	smoke detector	GENA	OR			1	Each	ASH 330
973	RAD	smoke detector	GENA	OR			1	Each	ASH 331
1286	RAD	smoke detector	GENA	OR			1	Each	ASH 180
1481	RAD	smoke detector	GENA	02			12	Each	Substation C
1484	RAD	smoke detector	GENA	02			12	Each	Substation D
1567	RAD	smoke detector	GENA	OR			6	Each	Substation G
1574	RAD	smoke detector	GENA	OR			6	Each	Substation H
1583	RAD	smoke detector	GENA	OR			6	Each	Substation J
2969	RAD	smoke detector	GENA	01			1	Each	In north cafateria area
3142	RAD	laser unit	GENA	01	AG	34	1	Each	south VIN laser machine #1
3146	RAD	laser unit	GENA	01	AG	35	1	Each	North VIN laser machine #2
2888	SMP	sump inside a pit	GENA	01	AH	48-55	5	Each	2' x 2' x 2'
2896	SMP	sump inside a pit	GENA	01	AH	59	1	Each	2' X 2' X 2'
2901	SMP	sump inside a pit	GENA	01	AF	59	2	Each	
2906	SMP	sump inside a pit	GENA	01	AE	51	3	Each	2' x 2' x 2' throughout conveyor pit 547
2911	SMP	sump inside a pit	GENA	01	AD	59	4	Each	2' x 2' x 2' debris
2928	SMP	sump inside a pit	GENA	01	AC	41	2	Each	2' x 2' x 2' in conveyor pit
2933	SMP	sump inside a pit	GENA	01	AC	33	1	Each	2' x 2' x 2' in pit
2935	SMP	sump inside a pit	GENA	01	AB	33	6	Each	2' x 2' x 2' throughout length of pit
2947	SMP	sump inside a pit	GENA	01	A	63	2	Each	2' x 3' x 3' in pit
3475	SMP	sump inside a pit	GENA	01	AC	50	2	Each	2' x 2' x 2' dry
3528	SMP	sump	GENA	01	A	65	1	Each	
3535	SMP	sump inside a pit	GENA	01	A	65	1	Each	shake and rattle
3723	SMP	sump	GENA	01	AE	47	1	Each	6' x 6' x 1'

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1691	TNK	cleaning solutions	GENA	01	AM	46	25	Gal	Solvents in parts washer
2132	TNK	oil	GENA	OM	AD	39	1	Each	Front Axle Fill #1 100 gal
2133	TNK	oil	GENA	OM	AD	39	1	Each	Transmission Fill #1 100 gal
2136	TNK	oil	GENA	OM	AD	39	1	Each	Front Axle Fill #2
2137	TNK	oil	GENA	OM	AD	39	1	Each	Transmission Fill #2 100 gal
2184	TNK	oil	GENA	OM	A	36	25	Gal	
2866	TNK	antifreeze	GENA	OM	AH	57	200	Gal	
2871	TNK	power steering fuid	GENA	OM	AH	56	2	Each	100 gallons each
2872	TNK	antifreeze	GENA	OM	AH	56	2	Each	100 gallons each
3086	TNK	windshield washer fluid	GENA	01	AH	56	1	Each	
3266	TNK	cleaning solutions	GENA	01	AD	50	2	Each	10 gal solvents
3484	TNK	cleaning solutions	GENA	01	A	50	2	Each	2 gal in washers
3556	TNK	cleaning solutions	GENA	01	B	50	1	Each	2 gal solvent washer
3881	TNK	air	GENA	01	AA	65	1	Each	25 gal water test booth
3885	TNK	water	GENA	01	AA	65	1	Each	100 gal
1476	TRA	gas	GENA	02			1	Each	Substation C - CW1 - GE Vaportran
1477	TRA	dry	GENA	02			1	Each	Substation C - SP-C - GE Cast Epoxy Resin
1478	TRA	gas	GENA	02			1	Each	Substation C - C2 - GE Vaportran
1479	TRA	gas	GENA	02			1	Each	Substation C - C3 - GE Vaportran
1485	TRA	gas	GENA	02			1	Each	Substation D - D1 - GE Vaportran
1486	TRA	gas	GENA	02			1	Each	Substation D - D2 - GE Vaportran
1487	TRA	gas	GENA	02			1	Each	Substation D - D3 - GE Vaportran
1488	TRA	gas	GENA	02			1	Each	Substation D - SP-D - GE Vaportran
1489	TRA	dry	GENA	02			1	Each	Substation D - DW5 - GE
1490	TRA	dry	GENA	02			1	Each	Substation D - DW6 - GE
1568	TRA	dry	GENA	OR			1	Each	Substation G - G1 - Square D Cast Coil
1569	TRA	dry	GENA	OR			1	Each	Substation G - G2 - Square D Cast Coil
1575	TRA	dry	GENA	OR			1	Each	Substation H - H1 - Square D Cast Coil
1576	TRA	dry	GENA	OR			1	Each	Substation H - H2 - Square D Cast Coil
1577	TRA	dry	GENA	OR			1	Each	Substation H - SP-G - Square D Cast Coil
1578	TRA	dry	GENA	OR			1	Each	Substation J - SP-J - Square D Cast Coil
1579	TRA	dry	GENA	OR			1	Each	Substation J - J1 - Square D Cast Coil
1580	TRA	s	GENA	OR			1	Each	Substation J - J2 - Square D Cast Coil
1581	TRA	dry	GENA	OR			1	Each	Substation J - J3 - Square D Cast Coil
1582	TRA	dry	GENA	OR			1	Each	Substation J - J4 - Square D Cast Coil
2941	TRN	trench	GENA	01	AB	61	1	Each	237' x 0.5' x 0.5' trench system
2942	TRN	trench	GENA	01	A	64	1	Each	266' x 0.5' x 0.5' trench system
2970	TRN	trench	GENA	01			1	Each	30' x 2' x 2' utility in north cafeteria
7643		Oil Resevior	GENA	1					
7643		sump	GENA	1					
7644			GENA	1					
7649		Oil Resevior	GENA		AA	62	1	Each	conveyor drive-flat top

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
7650		concrete	GENA	1					
108	BAT	battery bank	MISC	01			6	Each	Pump House #4
134	BAT	emergency light	MISC	01			1	Each	Old Diesel Pump House
135	BAT	automobile	MISC	01			1	Each	Old Diesel Pump House
119	CFC	freezer/cooler	MISC	01			1	Each	South retention basin
128	CFC	freezer/cooler	MISC	01			1	Each	North Retention Basin
109	CNT	pail	MISC	01			5	Gal	Pump House #4 - SAE 40 oil
126	CNT	drum	MISC	OE			1	Each	North Retention Basin - overpack drums contents unknown
107	FEX	20# CO2	MISC	01			2	Each	Pump House #4
133	FEX	20# water	MISC	01			2	Each	Old Diesel Pump House
111	LIT	4 ' 2 bulb 1 ballast	MISC	01			1	Each	Pump House #4
118	LIT	high intensity lamp	MISC	OE			1	Each	South retention basin
120	LIT	4 ' 2 bulb 1 ballast	MISC	01			1	Each	South retention basin
127	LIT	high intensity lamp	MISC	OE			1	Each	North Retention Basin
130	LIT	4 ' 2 bulb 1 ballast	MISC	01			1	Each	North Retention Basin
110	MCD	thermostat	MISC	01			1	Each	Pump House #4
121	MCD	thermostat	MISC	01			1	Each	South retention basin
129	MCD	thermostat	MISC	01			1	Each	North Retention Basin
114	PIT	retention basin	MISC	OE			1	Each	South Basin 80' x 32' x 20' - ice covered water
115	PIT	retention basin	MISC	OE			1	Each	South retention basin 80' x 32' x 20' - ice covered water
116	PIT	retention basin	MISC	OE			1	Each	South retention basin 19' x 8' x 20' - ice covered water
117	PIT	retention basin	MISC	OE			1	Each	South retention basin
122	PIT	retention basin	MISC	OE			1	Each	North Retention Basin 83' x 42' x 20' - ice covered water
123	PIT	retention basin	MISC	OE			1	Each	North Retention Basin 83' x 42' x 20' - ice covered water
124	PIT	retention basin	MISC	OE			1	Each	North Retention Basin 8' x 21' x 20' - ice covered water
125	PIT	retention basin	MISC	OE			1	Each	North Retention Basin 8' x 21' x 20' - ice covered water
131	SMP	sump	MISC	OE			1	Each	North Retention Basin 6' x 8' x 20'
132	SMP	sump	MISC	OE			1	Each	North Retention Basin 8' x 4' x 20'
113	TNK	diesel fuel	MISC	OE			500	Gal	Pump House #4
112	TRN	trench	MISC	01			1	Each	Pump House #4 1' x 10' x 1'
1	CAP	electrical control cabinet air	MPR	OR	AAE	8	1	Each	ASH 184 - 0.2 gal non-PCB oil
24	CAP	electrical control cabinet air	MPR	OR			3	Each	ASH 185 - 0.2 gal non PCB oils
28	CAP	electrical control cabinet air	MPR	OR			1	Each	ASH 186 - 0.2 gal non-PCB oil
136	CAP	electrical control panel	MPR	OR			1	Each	ASH 149 - 0.2 gal non-PCB oils
137	CAP	electrical control panel	MPR	OR			1	Each	ASH 137 - 0.2 gal non-PCB oils
138	CAP	electrical control panel	MPR	OR			1	Each	ASH 162 - 0.2 gal non-PCB oils
139	CAP	electrical control panel	MPR	OR			1	Each	ASH 152 - 0.2 gal non-PCB oils
140	CAP	electrical control panel	MPR	OR			1	Each	ASH 150 - 0.2 gal non-PCB oils
141	CAP	electrical control panel	MPR	OR			1	Each	ASH 151 - 0.2 gal non-PCB oils
142	CAP	electrical control panel	MPR	OR			1	Each	ASH 161 - 0.2 gal non-PCB oils
143	CAP	electrical control panel	MPR	OR			1	Each	ASH 147 - 0.2 gal non-PCB oils
144	CAP	electrical control panel	MPR	OR			1	Each	ASH 148 - 0.2 gal non-PCB oils

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145	CAP	electrical control panel	MPR	OR			1	Each	ASH 160 - 0.2 gal non-PCB oils
146	CAP	electrical control panel	MPR	OR			1	Each	ASH 153 - 0.2 gal non-PCB oils
147	CAP	electrical control panel	MPR	OR			1	Each	ASH 138 - 0.2 gal non-PCB oils
148	CAP	electrical control panel	MPR	OR			1	Each	ASH 139 - 0.2 gal non-PCB oils
149	CAP	electrical control panel	MPR	OR			1	Each	ASH 140 - 0.2 gal non-PCB oils
150	CAP	electrical control panel	MPR	OR			1	Each	ASH 141 - 0.2 gal non-PCB oils
151	CAP	electrical control panel	MPR	OR			1	Each	ASH 143 - 0.2 gal non-PCB oils
152	CAP	electrical control panel	MPR	OR			1	Each	ASH 144 - 0.2 gal non-PCB oils
153	CAP	electrical control panel	MPR	OR			1	Each	ASH 146 - 0.2 gal non-PCB oils
154	CAP	electrical control panel	MPR	OR			1	Each	ASH 100 - 0.2 gal non-PCB oils
155	CAP	electrical control panel	MPR	OR			1	Each	ASH 101 - 0.2 gal non-PCB oils
156	CAP	electrical control panel	MPR	OR			1	Each	ASH 102 - 0.2 gal non-PCB oils
157	CAP	electrical control panel	MPR	OR			1	Each	ASH 103 - 0.2 gal non-PCB oils
158	CAP	electrical control panel	MPR	OR			1	Each	ASH 104 - 0.2 gal non-PCB oils
159	CAP	electrical control panel	MPR	OR			1	Each	ASH 106 - 0.2 gal non-PCB oils
160	CAP	electrical control panel	MPR	OR			1	Each	ASH 107 - 0.2 gal non-PCB oils
161	CAP	electrical control panel	MPR	OR			1	Each	ASH 108 - 0.2 gal non-PCB oils
162	CAP	electrical control panel	MPR	OR			1	Each	ASH 109 - 0.2 gal non-PCB oils
163	CAP	electrical control panel	MPR	OR			1	Each	ASH 110 - 0.2 gal non-PCB oils
164	CAP	electrical control panel	MPR	OR			1	Each	ASH 111 - 0.2 gal non-PCB oils
165	CAP	electrical control panel	MPR	OR			1	Each	ASH 112 - 0.2 gal non-PCB oils
166	CAP	electrical control panel	MPR	OR			1	Each	ASH 113 - 0.2 gal non-PCB oils
167	CAP	electrical control panel	MPR	OR			1	Each	ASH 114 - 0.2 gal non-PCB oils
168	CAP	electrical control panel	MPR	OR			1	Each	ASH 115 - 0.2 gal non-PCB oils
169	CAP	electrical control panel	MPR	OR			1	Each	ASH 116 - 0.2 gal non-PCB oils
170	CAP	electrical control panel	MPR	OR			1	Each	ASH 117 - 0.2 gal non-PCB oils
171	CAP	electrical control panel	MPR	OR			1	Each	ASH 118 - 0.2 gal non-PCB oils
172	CAP	electrical control panel	MPR	OR			1	Each	ASH 119 - 0.2 gal non-PCB oils
173	CAP	electrical control panel	MPR	OR			1	Each	ASH 120 - 0.2 gal non-PCB oils
174	CAP	electrical control panel	MPR	OR			1	Each	ASH 122 - 0.2 gal non-PCB oils
175	CAP	electrical control panel	MPR	OR			1	Each	ASH 125 - 0.2 gal non-PCB oils
176	CAP	electrical control panel	MPR	OR			1	Each	ASH 127 - 0.2 gal non-PCB oils
177	CAP	electrical control panel	MPR	OR			1	Each	ASH 128 - 0.2 gal non-PCB oils
178	CAP	electrical control panel	MPR	OR			1	Each	ASH 129 - 0.2 gal non-PCB oils
179	CAP	electrical control panel	MPR	OR			1	Each	ASH 130 - 0.2 gal non-PCB oils
180	CAP	electrical control panel	MPR	OR			1	Each	ASH 131 - 0.2 gal non-PCB oils
181	CAP	electrical control panel	MPR	OR			1	Each	ASH 132 - 0.2 gal non-PCB oils
182	CAP	electrical control panel	MPR	OR			1	Each	ASH 133 - 0.2 gal non-PCB oils
183	CAP	electrical control panel	MPR	OR			1	Each	ASH 134 - 0.2 gal non-PCB oils
184	CAP	electrical control panel	MPR	OR			1	Each	ASH 136 - 0.2 gal non-PCB oils
185	CAP	electrical control panel	MPR	OR			1	Each	ASH 164 - 0.2 gal non-PCB oils
186	CAP	electrical control panel	MPR	OR			1	Each	ASH 155 - 0.2 gal non-PCB oils

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
187	CAP	electrical control panel	MPR	OR			1	Each	ASH 156 - 0.2 gal non-PCB oils
188	CAP	electrical control panel	MPR	OR			1	Each	ASH 157 - 0.2 gal non-PCB oils
189	CAP	electrical control panel	MPR	OR			1	Each	ASH 169 - 0.2 gal non-PCB oils
190	CAP	electrical control panel	MPR	OR			1	Each	ASH 105 - 0.2 gal non-PCB oils
191	CAP	electrical control panel	MPR	OR			1	Each	ASH 188 - 0.2 gal non-PCB oils
192	CAP	electrical control panel	MPR	OR			1	Each	ASH 189 - 0.2 gal non-PCB oils
193	CAP	electrical control panel	MPR	OR			1	Each	ASH 177 - 0.2 gal non-PCB oils
194	CAP	electrical control panel	MPR	OR			1	Each	ASH 178 - 0.2 gal non-PCB oils
195	CAP	electrical control panel	MPR	OR			1	Each	ASH 179 - 0.2 gal non-PCB oils
196	CAP	electrical control panel	MPR	OR			1	Each	ASH 171 - 0.2 gal non-PCB oils
197	CAP	electrical control panel	MPR	OR			1	Each	ASH 172 - 0.2 gal non-PCB oils
198	CAP	electrical control panel	MPR	OR			1	Each	ASH 173 - 0.2 gal non-PCB oils
199	CAP	electrical control panel	MPR	OR			1	Each	ASH 174 - 0.2 gal non-PCB oils
200	CAP	electrical control panel	MPR	OR			1	Each	ASH 175 - 0.2 gal non-PCB oils
201	CAP	electrical control panel	MPR	OR			1	Each	ASH 176 - 0.2 gal non-PCB oils
202	CAP	electrical control panel	MPR	OR			1	Each	ASH 190 - 0.2 gal non-PCB oils
203	CAP	electrical control panel	MPR	OR			1	Each	ASH 191 - 0.2 gal non-PCB oils
204	CAP	electrical control panel	MPR	OR			1	Each	ASH 182 - 0.2 gal non-PCB oils
205	CAP	electrical control panel	MPR	OR			1	Each	ASH 183 - 0.2 gal non-PCB oils
206	CAP	electrical control panel	MPR	OR			1	Each	ASH 184 - 0.2 gal non-PCB oils
207	CAP	electrical control panel	MPR	OR			1	Each	ASH 185 - 0.2 gal non-PCB oils
208	CAP	electrical control panel	MPR	OR			1	Each	ASH 186 - 0.2 gal non-PCB oils
209	CAP	electrical control panel	MPR	OR			1	Each	ASH 187 - 0.2 gal non-PCB oils
210	CAP	electrical control panel	MPR	OR			1	Each	ASH 165 - 0.2 gal non-PCB oils
211	CAP	electrical control panel	MPR	OR			1	Each	ASH 166 - 0.2 gal non-PCB oils
212	CAP	electrical control panel	MPR	OR			1	Each	ASH 163 - 0.2 gal non-PCB oils
213	CAP	electrical control panel	MPR	OR			1	Each	ASH 520 - 0.2 gal non-PCB oils
214	CAP	electrical control panel	MPR	OR			1	Each	ASH 508 - 0.2 gal non-PCB oils
215	CAP	electrical control panel	MPR	OR			1	Each	ASH 509 - 0.2 gal non-PCB oils
216	CAP	electrical control panel	MPR	OR			1	Each	ASH 518 - 0.2 gal non-PCB oils
217	CAP	electrical control panel	MPR	OR			1	Each	ASH 516 - 0.2 gal non-PCB oils
218	CAP	electrical control panel	MPR	OR			1	Each	ASH 301 - 0.2 gal non-PCB oils
219	CAP	electrical control panel	MPR	OR			1	Each	ASH 302 - 0.2 gal non-PCB oils
220	CAP	electrical control panel	MPR	OR			1	Each	ASH 303 - 0.2 gal non-PCB oils
221	CAP	electrical control panel	MPR	OR			1	Each	ASH 304 - 0.2 gal non-PCB oils
222	CAP	electrical control panel	MPR	OR			1	Each	ASH 305 - 0.2 gal non-PCB oils
223	CAP	electrical control panel	MPR	OR			1	Each	ASH 306 - 0.2 gal non-PCB oils
224	CAP	electrical control panel	MPR	OR			1	Each	ASH 307 - 0.2 gal non-PCB oils
225	CAP	electrical control panel	MPR	OR			1	Each	ASH 308 - 0.2 gal non-PCB oils
226	CAP	electrical control panel	MPR	OR			1	Each	ASH 309 - 0.2 gal non-PCB oils
227	CAP	electrical control panel	MPR	OR			1	Each	ASH 310 - 0.2 gal non-PCB oils
228	CAP	electrical control panel	MPR	OR			1	Each	ASH 311 - 0.2 gal non-PCB oils

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
229	CAP	electrical control panel	MPR	OR			1	Each	ASH 312 - 0.2 gal non-PCB oils
230	CAP	electrical control panel	MPR	OR			1	Each	ASH 313 - 0.2 gal non-PCB oils
231	CAP	electrical control panel	MPR	OR			1	Each	ASH 314 - 0.2 gal non-PCB oils
232	CAP	electrical control panel	MPR	OR			1	Each	ASH 315 - 0.2 gal non-PCB oils
233	CAP	electrical control panel	MPR	OR			1	Each	ASH 316 - 0.2 gal non-PCB oils
234	CAP	electrical control panel	MPR	OR			1	Each	ASH 317 - 0.2 gal non-PCB oils
235	CAP	electrical control panel	MPR	OR			1	Each	ASH 318 - 0.2 gal non-PCB oils
236	CAP	electrical control panel	MPR	OR			1	Each	ASH 319 - 0.2 gal non-PCB oils
237	CAP	electrical control panel	MPR	OR			1	Each	ASH 320 - 0.2 gal non-PCB oils
238	CAP	electrical control panel	MPR	OR			1	Each	ASH 321 - 0.2 gal non-PCB oils
239	CAP	electrical control panel	MPR	OR			1	Each	ASH 322 - 0.2 gal non-PCB oils
240	CAP	electrical control panel	MPR	OR			1	Each	ASH 323 - 0.2 gal non-PCB oils
241	CAP	electrical control panel	MPR	OR			1	Each	ASH 324 - 0.2 gal non-PCB oils
242	CAP	electrical control panel	MPR	OR			1	Each	ASH 325 - 0.2 gal non-PCB oils
243	CAP	electrical control panel	MPR	OR			1	Each	ASH 326 - 0.2 gal non-PCB oils
244	CAP	electrical control panel	MPR	OR			1	Each	ASH 327 - 0.2 gal non-PCB oils
245	CAP	electrical control panel	MPR	OR			1	Each	ASH 328 - 0.2 gal non-PCB oils
246	CAP	electrical control panel	MPR	OR			1	Each	ASH 329 - 0.2 gal non-PCB oils
247	CAP	electrical control panel	MPR	OR			1	Each	ASH 330 - 0.2 gal non-PCB oils
248	CAP	electrical control panel	MPR	OR			1	Each	ASH 331 - 0.2 gal non-PCB oils
2210	CFC	chiller	MPR	OR			1	Each	ASH 506 - No CFC - Glycol
2211	CFC	chiller	MPR	OR			1	Each	ASH 508 - No CFC - Glycol
2212	CFC	chiller	MPR	OR			1	Each	ASH 516 - No CFC - Glycol
2213	CFC	chiller	MPR	OR			1	Each	ASH 518 - No CFC - Glycol
2214	CFC	chiller	MPR	OR			1	Each	ASH 520 - No CFC - Glycol
16	CNT	pail	MPR	OR			25	Each	5 gal pails of roof patch in Maintenance Storage on roof
249	CRT	control panel CRT	MPR	OR			1	Each	ASH 331
250	CRT	control panel CRT	MPR	OR			1	Each	ASH 188
251	CRT	control panel CRT	MPR	OR			1	Each	ASH 189
252	CRT	control panel CRT	MPR	OR			1	Each	ASH 301
253	CRT	control panel CRT	MPR	OR			1	Each	ASH 302
254	CRT	control panel CRT	MPR	OR			1	Each	ASH 303
255	CRT	control panel CRT	MPR	OR			1	Each	ASH 304
256	CRT	control panel CRT	MPR	OR			1	Each	ASH 305
257	CRT	control panel CRT	MPR	OR			1	Each	ASH 306
258	CRT	control panel CRT	MPR	OR			1	Each	ASH 307
259	CRT	control panel CRT	MPR	OR			1	Each	ASH 308
260	CRT	control panel CRT	MPR	OR			1	Each	ASH 309
261	CRT	control panel CRT	MPR	OR			1	Each	ASH 310
262	CRT	control panel CRT	MPR	OR			1	Each	ASH 311
263	CRT	control panel CRT	MPR	OR			1	Each	ASH 312
264	CRT	control panel CRT	MPR	OR			1	Each	ASH 313

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
265	CRT	control panel CRT	MPR	OR			1	Each	ASH 314
266	CRT	control panel CRT	MPR	OR			1	Each	ASH 315
267	CRT	control panel CRT	MPR	OR			1	Each	ASH 316
268	CRT	control panel CRT	MPR	OR			1	Each	ASH 317
269	CRT	control panel CRT	MPR	OR			1	Each	ASH 318
270	CRT	control panel CRT	MPR	OR			1	Each	ASH 319
271	CRT	control panel CRT	MPR	OR			1	Each	ASH 320
272	CRT	control panel CRT	MPR	OR			1	Each	ASH 321
273	CRT	control panel CRT	MPR	OR			1	Each	ASH 322
274	CRT	control panel CRT	MPR	OR			1	Each	ASH 323
275	CRT	control panel CRT	MPR	OR			1	Each	ASH 324
276	CRT	control panel CRT	MPR	OR			1	Each	ASH 325
277	CRT	control panel CRT	MPR	OR			1	Each	ASH 326
278	CRT	control panel CRT	MPR	OR			1	Each	ASH 326
279	CRT	control panel CRT	MPR	OR			1	Each	ASH 328
280	CRT	control panel CRT	MPR	OR			1	Each	ASH 329
281	CRT	control panel CRT	MPR	OR			1	Each	ASH 330
356	LIT	4 ' 1 bulb 1 ballast	MPR	OR			1	Each	ASH 307
10	MCD	thermostat	MPR	OR			1	Each	ASH 186 - Possible mercury
11	MCD	thermometer	MPR	OR			4	Each	ASH 186 - Mercury
13	MCD	gas pressure switch	MPR	OR			2	Each	ASH 184 - Mercury
15	MCD	thermostat	MPR	OR			1	Each	ASH 184 - Possible Mercury
25	MCD	gas pressure switch	MPR	OR			2	Each	ASH 185 - Mercury
27	MCD	thermostat	MPR	OR			1	Each	ASH 185 - Possible mercury
381	MCD	thermostat	MPR	OR			1	Each	ASH 149
382	MCD	thermostat	MPR	OR			1	Each	ASH 137
383	MCD	thermostat	MPR	OR			1	Each	ASH 162
384	MCD	thermostat	MPR	OR			1	Each	ASH 152
385	MCD	thermostat	MPR	OR			1	Each	ASH 150
386	MCD	thermostat	MPR	OR			1	Each	ASH 151
387	MCD	thermostat	MPR	OR			1	Each	ASH 161
388	MCD	thermostat	MPR	OR			1	Each	ASH 147
389	MCD	thermostat	MPR	OR			1	Each	ASH 148
390	MCD	thermostat	MPR	OR			1	Each	ASH 160
391	MCD	thermostat	MPR	OR			1	Each	ASH 153
392	MCD	thermostat	MPR	OR			1	Each	ASH 138
393	MCD	thermostat	MPR	OR			1	Each	ASH 139
394	MCD	thermostat	MPR	OR			1	Each	ASH 140
395	MCD	thermostat	MPR	OR			1	Each	ASH 141
396	MCD	thermostat	MPR	OR			1	Each	ASH 143
397	MCD	thermostat	MPR	OR			1	Each	ASH 144
398	MCD	thermostat	MPR	OR			1	Each	ASH 146

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TABLE 1
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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
399	MCD	thermostat	MPR	OR			1	Each	ASH 100
400	MCD	thermostat	MPR	OR			1	Each	ASH 101
401	MCD	thermostat	MPR	OR			1	Each	ASH 102
402	MCD	thermostat	MPR	OR			1	Each	ASH 103
403	MCD	thermostat	MPR	OR			1	Each	ASH 104
404	MCD	thermostat	MPR	OR			1	Each	ASH 106
405	MCD	thermostat	MPR	OR			1	Each	ASH 107
406	MCD	thermostat	MPR	OR			1	Each	ASH 108
407	MCD	thermostat	MPR	OR			1	Each	ASH 109
408	MCD	thermostat	MPR	OR			1	Each	ASH 110
409	MCD	thermostat	MPR	OR			1	Each	ASH 111
410	MCD	thermostat	MPR	OR			1	Each	ASH 112
411	MCD	thermostat	MPR	OR			1	Each	ASH 113
412	MCD	thermostat	MPR	OR			1	Each	ASH 114
413	MCD	thermostat	MPR	OR			1	Each	ASH 115
414	MCD	thermostat	MPR	OR			1	Each	ASH 116
415	MCD	thermostat	MPR	OR			1	Each	ASH 117
416	MCD	thermostat	MPR	OR			1	Each	ASH 118
417	MCD	thermostat	MPR	OR			1	Each	ASH 119
418	MCD	thermostat	MPR	OR			1	Each	ASH 120
419	MCD	thermostat	MPR	OR			1	Each	ASH 122
420	MCD	thermostat	MPR	OR			1	Each	ASH 125
421	MCD	thermostat	MPR	OR			1	Each	ASH 127
422	MCD	thermometer	MPR	OR			2	Each	ASH 149
423	MCD	thermometer	MPR	OR			4	Each	ASH 137
424	MCD	thermometer	MPR	OR			4	Each	ASH 162
425	MCD	thermometer	MPR	OR			4	Each	ASH 152
426	MCD	thermometer	MPR	OR			4	Each	ASH 150
427	MCD	thermometer	MPR	OR			4	Each	ASH 151
428	MCD	thermometer	MPR	OR			4	Each	ASH 161
429	MCD	thermometer	MPR	OR			4	Each	ASH 147
430	MCD	thermometer	MPR	OR			4	Each	ASH 148
431	MCD	thermometer	MPR	OR			4	Each	ASH 160
432	MCD	thermometer	MPR	OR			4	Each	ASH 153
433	MCD	thermometer	MPR	OR			4	Each	ASH 138
434	MCD	thermometer	MPR	OR			4	Each	ASH 139
435	MCD	thermometer	MPR	OR			4	Each	ASH 140
436	MCD	thermometer	MPR	OR			4	Each	ASH 141
437	MCD	thermometer	MPR	OR			4	Each	ASH 143
438	MCD	thermometer	MPR	OR			4	Each	ASH 144
439	MCD	thermometer	MPR	OR			4	Each	ASH 146
440	MCD	thermometer	MPR	OR			4	Each	ASH 100

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TABLE 1
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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
441	MCD	thermometer	MPR	OR			4	Each	ASH 101
442	MCD	thermometer	MPR	OR			4	Each	ASH 102
443	MCD	thermometer	MPR	OR			4	Each	ASH 103
444	MCD	thermometer	MPR	OR			4	Each	ASH 104
445	MCD	thermometer	MPR	OR			4	Each	ASH 106
446	MCD	thermometer	MPR	OR			4	Each	ASH 107
447	MCD	thermometer	MPR	OR			4	Each	ASH 108
448	MCD	thermometer	MPR	OR			4	Each	ASH 109
449	MCD	thermometer	MPR	OR			4	Each	ASH 110
450	MCD	thermometer	MPR	OR			4	Each	ASH 111
451	MCD	thermometer	MPR	OR			4	Each	ASH 112
452	MCD	thermometer	MPR	OR			4	Each	ASH 113
453	MCD	thermometer	MPR	OR			4	Each	ASH 114
454	MCD	thermometer	MPR	OR			4	Each	ASH 115
455	MCD	thermometer	MPR	OR			4	Each	ASH 116
456	MCD	thermometer	MPR	OR			4	Each	ASH 117
457	MCD	thermometer	MPR	OR			4	Each	ASH 118
458	MCD	thermometer	MPR	OR			4	Each	ASH 119
459	MCD	thermometer	MPR	OR			4	Each	ASH 120
460	MCD	thermometer	MPR	OR			4	Each	ASH 122
461	MCD	thermometer	MPR	OR			4	Each	ASH 125
462	MCD	thermometer	MPR	OR	AA	50	2	Each	240T chiller for paint repair
14	RAD	smoke detector	MPR	OR			1	Each	ASH 184 - Possible radioactive source.
26	RAD	smoke detector	MPR	OR			1	Each	ASH 185 - Possible radioactive source
45	BAT	emergency light	OCMP	01			6	Each	
95	BAT	emergency light	OCMP	OB			2	Each	Located in tunnels
101	BAT	emergency light	OCMP	01			5	Each	
517	BAT	battery bank	OCMP	01			40	Each	two separate banks of batteries
55	CAP	electrical control cabinet air	OCMP	01			6	Each	3 in each of two panels on far north wall
61	CAP	electrical control panel	OCMP	01			3	Each	Joy Compressor #10 - non PCB
68	CAP	electrical control panel	OCMP	01			3	Each	Joy Compressor #13 - non PCB
86	CAP	electrical control panel	OCMP	01			1	Each	
515	CAP	substation	OCMP	OE			48	Each	West bank panels - oil filled
516	CAP	substation	OCMP	OE			48	Each	East bank panels
48	CFC	drinking fountain	OCMP	01			1	Each	
49	CFC	window/wall air conditioner	OCMP	01			1	Each	
6941	CFC	HVAC unit	OCMP	OE			1	Each	HVAC unit on east side of building
6942	CFC	chiller	OCMP	OE			3	Each	on east side of building
52	CNT	pail	OCMP	01			1	Each	5 gallons unknown liquid
53	CNT	drum	OCMP	01			20	DR	Compressor Oil
54	CNT	drum	OCMP	01			1	Each	overpack drum with unknown contents
56	CNT	pail	OCMP	01			3	Each	5 gallon pails of oil

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
57	CNT	drum	OCMP	01			200	Gal	Glycol
74	CNT	drum	OCMP	01			100	Gal	Solvo Clean 75 PC
75	CNT	pail	OCMP	01			10	Gal	CL-37 Defoamer
77	CNT	pail	OCMP	01			5	Gal	Chelant Regent B
80	CNT	pail	OCMP	01			5	Each	Glidex track switch lubricant
51	CRT	computer monitor	OCMP	01			2	Each	
78	CRT	control panel CRT	OCMP	01			1	Each	
40	FEX	20# CO2	OCMP	01				Each	
42	FEX	20# dry	OCMP	01			1	Each	
43	FEX	20# water	OCMP	01			1	Each	
103	FEX	20# CO2	OCMP	01			10	Each	
93	FLR	concrete	OCMP	OB			1	Each	Located in west tunnel 12' x 286'
94	FLR	concrete	OCMP	OB			1	Each	Located in East Tunnel 12' x 286'
60	FTR	oil filter	OCMP	01			1	Each	Joy Compressor #10
64	FTR	oil filter	OCMP	01			1	Each	Compressor #11
66	FTR	oil filter	OCMP	01			1	Each	Joy Compressor #13
106	FTR	oil filter	OCMP	01			6	Each	on equipment on west side of building
44	LIT	4 ' 4 bulb 2 ballast	OCMP	01			1	Each	
46	LIT	high intensity lamp	OCMP	01			1	Each	
47	LIT	8 ' 2 bulb 1 ballast	OCMP	01			1	Each	
89	LIT	high intensity lamp	OCMP	01			1	Each	
90	LIT	high intensity lamp	OCMP	OE			1	Each	
97	LIT	high intensity lamp	OCMP	OB			1	Each	
41	MCD	thermostat	OCMP	01			2	Each	
50	MCD	thermometers	OCMP	01			3	Each	
58	MCD	thermometer	OCMP	01			3	Each	Joy Compressor #10
62	MCD	mercury switch	OCMP	01			1	Each	Compressor #11
76	MCD	mercury switch	OCMP	01			1	Each	oil pressure switch - west side
87	MCD	thermostat	OCMP	01			2	Each	
105	MIS	5 gal sprayers	OCMP	01			5	Each	unknown contents
6945	MIS	cooling tower	OCMP	OE			1	Each	located to northwest of building
59	OFM	oil reservoir	OCMP	01			500	Gal	Joy Compressor #10
63	OFM	oil reservoir	OCMP	01			100	Gal	Compressor #11
65	OFM	oil reservoir	OCMP	01			1	Each	Ingersal Rand Compressor #12
67	OFM	oil reservoir	OCMP	01			500	Gal	Joy Compressor #13
69	OFM	oil reservoir	OCMP	01			100	Gal	Ingersal Rand Compressor #17
70	OFM	air line lubricator	OCMP	01			1	Each	Worthington Compressor #18
71	OFM	oil reservoir	OCMP	01			100	Gal	Worthington Compressor #18
72	OFM	oil reservoir	OCMP	01			100	Each	Ingersal Rand Compressor #19
73	OFM	oil reservoir	OCMP	01			100	Gal	Ingersal Rand Compressor #20
85	OFM	oil reservoir	OCMP	01			300	Gal	4 reservoirs on abandoned compressors, west side
98	OFM	air line lubricators	OCMP	OB			2	Each	

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TABLE 1
ITEMS OF INTEREST

Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
102	OFM	air line lubricators	OCMP	01			10	Each	west side of facility
100	RAD	smoke detector	OCMP	01			13	Each	
91	SMP	sump	OCMP	OB			1	Each	Located in tunnel 12' x 6' x 5' - oily waste
96	SMP	sump	OCMP	OB			1	Each	Located in tunnel, 6' x 1' x 1'
99	SMP	sump	OCMP	OB			1	Each	Located in tunnel 3' x 5' x 1' - oily residue
81	TNK	diesel fuel	OCMP	OE			200	Gal	
82	TNK	water	OCMP	OE			200	Gal	
88	TNK	other	OCMP	01			600	Gal	unknown contents
83	TRA	dry	OCMP	OE			1	Each	Vault 21 on west side of building
518	TRA	dry	OCMP	01			1	Each	
519	TRA	gas	OCMP	01			1	Each	GE Vapor Tran # 20-3
520	TRA	gas	OCMP	01			1	Each	GE Vapor Tran # 20-4
79	TRN	trench	OCMP	01			1	Each	0.5' x 48' x 1'
92	TRN	trench	OCMP	OB			1	Each	in tunnel 2' x 2' x 80' - oily sludge
104	TRN	trench	OCMP	01			1	Each	1' x 31' x 1'
7762			OCMP	1					
7763			OCMP	DUP					
5306	AST	hopper	PANT	01	H-K	7	25	Each	Collection hoppers
7079	AST	hopper	PANT	01	M	7	1	Each	Durr
7084	AST	hopper	PANT	01	M	5	1	Each	urethane
1587	BAT	exit sign	PANT	OR			2	Each	PSI Substation
1602	BAT	battery bank	PANT	01			210	Each	ELPO Substation (30 each in 7 cabinets)
1603	BAT	battery bank	PANT	01			40	Each	ELPO Substation (2 cabinets with 20 batteries each)
1607	BAT	exit sign	PANT	01			2	Each	ELPO Substation
4538	BAT	emergency light	PANT	02	A	0.9	1	Each	
4542	BAT	exit sign	PANT	02	B	1.9	1	Each	
4656	BAT	exit sign	PANT	04	B	0.9	1	Each	
4699	BAT	emergency light	PANT	03	B	0.9	1	Each	
4732	BAT	fire alarm control panel	PANT	03	G	0	1	Each	
4735	BAT	exit sign	PANT	03	H	0	1	Each	
4755	BAT	exit sign	PANT	03	J	1.9	1	Each	on ramp
4757	BAT	emergency light	PANT	03	J	1.9	1	Each	on ramp
4951	BAT	exit sign	PANT	02	AB	1	1	Each	
4953	BAT	emergency light	PANT	02	AC	1	1	Each	
4954	BAT	emergency light	PANT	02	AC	1	1	Each	
4956	BAT	emergency light	PANT	02	AC	1	1	Each	
4957	BAT	emergency light	PANT	02	AF	1	1	Each	
4958	BAT	exit sign	PANT	02	AF	1	1	Each	
4963	BAT	exit sign	PANT	02	AE	3.3	2	Each	
4988	BAT	exit sign	PANT	02	D	2	1	Each	
4990	BAT	exit sign	PANT	02	E	3	1	Each	
4992	BAT	emergency light	PANT	02	F	3	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4997	BAT	emergency light	PANT	02	G	3	1	Each	
5001	BAT	emergency light	PANT	02	J	3	1	Each	
5003	BAT	emergency light	PANT	02	K	3	1	Each	
5006	BAT	emergency light	PANT	02	M	3	1	Each	
5011	BAT	exit sign	PANT	02	L	3	1	Each	
5015	BAT	exit sign	PANT	02	M	3.3	1	Each	
5016	BAT	emergency light	PANT	02	N	3	1	Each	
5017	BAT	exit sign	PANT	02	P	3	2	Each	
5019	BAT	emergency light	PANT	02	P	5	1	Each	
5021	BAT	emergency light	PANT	02	P	6	1	Each	
5022	BAT	emergency light	PANT	02	P	7	1	Each	
5023	BAT	exit sign	PANT	02	P	7	1	Each	
5024	BAT	exit sign	PANT	02	P	5	1	Each	
5029	BAT	exit sign	PANT	02	N	7	1	Each	
5034	BAT	emergency light	PANT	02	M	6	2	Each	
5043	BAT	fire alarm control panel	PANT	02	L	5.5	1	Each	
5068	BAT	emergency light	PANT	02		5	1	Each	Clearcoat # 3
5158	BAT	emergency light	PANT	02	M	7	1	Each	
5163	BAT	emergency light	PANT	02	J	7	1	Each	
5165	BAT	emergency light	PANT	02	K	7	1	Each	
5169	BAT	emergency light	PANT	02	G	7	1	Each	
5180	BAT	exit sign	PANT	02	AB	4	1	Each	
5182	BAT	exit sign	PANT	02	B	5	1	Each	
5183	BAT	exit sign	PANT	02	AB	5	1	Each	
5196	BAT	emergency light	PANT	02	B	5	1	Each	
5203	BAT	exit sign	PANT	02	A	5	1	Each	
5213	BAT	emergency light	PANT	01	AF	7	1	Each	
5214	BAT	exit sign	PANT	01	AF	7	2	Each	
5218	BAT	emergency light	PANT	01	AF	6	1	Each	
5220	BAT	exit sign	PANT	01	AF	5	1	Each	
5221	BAT	emergency light	PANT	01	AF	5	1	Each	
5222	BAT	emergency light	PANT	01	AF	4	1	Each	
5224	BAT	exit sign	PANT	01	AF	3	2	Each	
5259	BAT	exit sign	PANT	01	G	3	1	Each	
5260	BAT	exit sign	PANT	01	E	3	1	Each	
5284	BAT	emergency light	PANT	01	C	2	1	Each	
5289	BAT	exit sign	PANT	01	C	3	2	Each	
5290	BAT	emergency light	PANT	01	D	V	1	Each	
5291	BAT	exit sign	PANT	01	E	2	1	Each	
5292	BAT	exit sign	PANT	01	B	2	1	Each	
5298	BAT	exit sign	PANT	01	G	7	1	Each	
5316	BAT	exit sign	PANT	01	M	7	3	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5327	BAT	exit sign	PANT	01	M	6	1	Each	in hallway
5333	BAT	exit sign	PANT	01	P	3	2	Each	
5334	BAT	emergency light	PANT	01	P	3.3	1	Each	
5342	BAT	automobile	PANT	01	N	3.3	1	Each	electric cart
5343	BAT	exit sign	PANT	01	M	3	2	Each	
5344	BAT	emergency light	PANT	01	M	3	1	Each	
5363	BAT	emergency light	PANT	01	K	3	1	Each	
5373	BAT	emergency light	PANT	01	J	3	1	Each	
5382	BAT	exit sign	PANT	01	G	3	1	Each	
5391	BAT	emergency light	PANT	01	A	1	1	Each	
5393	BAT	emergency light	PANT	01	B	1	1	Each	
5394	BAT	fork truck	PANT	01	AB	2	1	Each	fork truck, battery and recharge station
5402	BAT	emergency light	PANT	01	AC	1	1	Each	
5411	BAT	emergency light	PANT	01	AE	1	1	Each	
5412	BAT	emergency light	PANT	01	AF	1	1	Each	
5413	BAT	exit sign	PANT	01	AF	1	1	Each	
5414	BAT	emergency light	PANT	01	AF	2	1	Each	
5417	BAT	emergency light	PANT	01	AF	Z	1	Each	
5418	BAT	exit sign	PANT	01	AF	2	2	Each	
5431	BAT	exit sign	PANT	01	N	5	1	Each	In cafeteria
5435	BAT	exit sign	PANT	01	N	5	2	Each	
5436	BAT	exit sign	PANT	01	N	6	6	Each	office
5450	BAT	emergency light	PANT	01	N	7	1	Each	
5451	BAT	emergency light	PANT	01	P	7	1	Each	
5454	BAT	emergency light	PANT	01	P	6	1	Each	
5456	BAT	exit sign	PANT	01	P	5	1	Each	
5457	BAT	emergency light	PANT	01	P	5	1	Each	
5458	BAT	exit sign	PANT	01	P	3.3	1	Each	
5459	BAT	emergency light	PANT	OR	J	4	1	Each	Penthouse
5461	BAT	exit sign	PANT	OR	J	5	1	Each	Penthouse
5464	BAT	emergency light	PANT	OR	J	5	1	Each	Penthouse
5468	BAT	exit sign	PANT	OR	L	7	1	Each	Penthouse
7009	BAT	emergency light	PANT	01	AB	7	1	Each	
7010	BAT	emergency light	PANT	01	AA	5	1	Each	
7012	BAT	emergency light	PANT	01	D	6	1	Each	
7014	BAT	exit sign	PANT	01	E	7	1	Each	
7015	BAT	emergency light	PANT	01	E	7	1	Each	
7016	BAT	emergency light	PANT	01	C	7	1	Each	
7017	BAT	exit sign	PANT	01	B	7	1	Each	
7018	BAT	emergency light	PANT	01	A	7	1	Each	
7020	BAT	emergency light	PANT	01	AA	7	1	Each	
7021	BAT	exit sign	PANT	01	AB	7	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
7023	BAT	fork truck	PANT	01	E	6	4	Each	fork truck, battery and recharge station
7031	BAT	emergency light	PANT	01	G	7.5	1	Each	
7034	BAT	exit sign	PANT	01	G	7.1	1	Each	
7075	BAT	emergency light	PANT	01	J	7	1	Each	
7076	BAT	emergency light	PANT	01	K	7	1	Each	
7077	BAT	emergency light	PANT	01	M	7	1	Each	
7114	BAT	emergency light	PANT	01	H	5	1	Each	
7190	BAT	exit sign	PANT	02	B	6	2	Each	
7195	BAT	emergency light	PANT	02	A	7	1	Each	
7196	BAT	emergency light	PANT	02	C	7	1	Each	
7197	BAT	exit sign	PANT	02	A	7	1	Each	
7198	BAT	emergency light	PANT	02	AA	7	1	Each	
7201	BAT	exit sign	PANT	02	AA7		1	Each	
7207	BAT	emergency light	PANT	02	AC	7	1	Each	
7211	BAT	emergency light	PANT	02	AD	7	1	Each	
7216	BAT	emergency light	PANT	02	AE	7	1	Each	
7218	BAT	exit sign	PANT	02	AC	7	1	Each	
7219	BAT	exit sign	PANT	02	AF	7	2	Each	
7220	BAT	emergency light	PANT	02	AF	5	1	Each	
7238	BAT	emergency light	PANT	02	AF	4	1	Each	
7244	BAT	exit sign	PANT	02	AA	6	2	Each	
7248	BAT	emergency light	PANT	02	AB	2	1	Each	
7249	BAT	emergency light	PANT	02	AD	2	1	Each	
7254	BAT	emergency light	PANT	02	AE	2	1	Each	
7255	BAT	emergency light	PANT	02	AF	1	1	Each	
7256	BAT	exit sign	PANT	02	AF	2	2	Each	
7258	BAT	emergency light	PANT	02	AF	3.3	1	Each	
7285	BAT	exit sign	PANT	02	M	3.3	1	Each	
7291	BAT	exit sign	PANT	02	P	3.3	1	Each	
7292	BAT	exit sign	PANT	02	N	4	1	Each	
7408	BAT	exit sign	PANT	OR	J	3	1	Each	Penthouse
7413	BAT	emergency light	PANT	OR	F	4	1	Each	Penthouse
7414	BAT	emergency light	PANT	OR	E	4	1	Each	Penthouse
7419	BAT	exit sign	PANT	OR	D	3	1	Each	Penthouse
7420	BAT	emergency light	PANT	OR	D	3	1	Each	Penthouse
7438	BAT	emergency light	PANT	OR	D	4	1	Each	Penthouse
4977	BTH	inspection	PANT	02	AC-A	2-3.3	1	Each	
6989	BTH	paint	PANT	01	AD	6	1	Each	Prime cooll down
6990	BTH	paint	PANT	01	AD	5	1	Each	Mod #1 cool down
6991	BTH	paint	PANT	01	AD	5	1	Each	Mod #2 cool down
6992	BTH	paint	PANT	01	AD	4	1	Each	Mod #3 cool down
6994	BTH	paint	PANT	01	AD	4	1	Each	Mod #4 cool down

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
7208	BTH	paint	PANT	02	AC-F	6	1	Each	Heating booth - prime
7236	BTH	paint	PANT	02	AE	4	1	Each	spot paint booth
7237	BTH	paint	PANT	02	AE	4	1	Each	paint inspection booth
7239	BTH	paint	PANT	02	AC-F	5	1	Each	Mod #1 topcoat heat both
7240	BTH	paint	PANT	02	AC-F	5	1	Each	Mod #2 topcoat heat booth
7241	BTH	paint	PANT	02	AC-F	4	1	Each	Mod #3 topcoat heat booth
7242	BTH	paint	PANT	02	AC-F	4	1	Each	Mod #4 topcoat heat booth
7278	BTH	inspection	PANT	02	H	3.3	3	Each	Tu-tone inspection booth
7281	BTH	inspection	PANT	02	L	3.3	3	Each	prep booth air platform
7294	BTH	duster	PANT	02	M	4	2	Each	
7303	BTH	paint	PANT	02		5	1	Each	Topcoat #4
7304	BTH	paint	PANT	02		5	1	Each	Topcoat #3
7305	BTH	paint	PANT	02		5	1	Each	Topcoat #2
7306	BTH	paint	PANT	02		5	1	Each	Topcoat #1
496	CAP	electrical control panel	PANT	OR			2	Each	ASH #1
499	CAP	electrical control cabinet air	PANT	OR			2	Each	ASH #2
500	CAP	electrical control cabinet air	PANT	OR			2	Each	ASH #3
501	CAP	electrical control cabinet air	PANT	OR			2	Each	ASH #4
513	CAP	electrical control panel	PANT	OR			1	Each	0.3 gal non-PCB oils - east penthouse
1604	CAP	substation	PANT	01			2	Each	ELPO Substation
4589	CAP	electrical control panel	PANT	03	A	3	1	Each	ELPO oven North Pass Convection Zone 6
4591	CAP	electrical control panel	PANT	03	K	3	2	Each	on ELPO oven Panel
4594	CAP	electrical control panel	PANT	03	H	3	2	Each	EXPO oven panel
4611	CAP	electrical control panel	PANT	03	F	3	2	Each	on ELPO oven panel
4613	CAP	electrical control panel	PANT	03	F	3	2	Each	ELPO radiant zone electrical panel
4615	CAP	electrical control panel	PANT	03	D	1.9	2	Each	ELPO radiant zone 1 electrical panel
4730	CAP	electrical control panel	PANT	03	F	0	2	Each	on fork transfer drive panel
4733	CAP	electrical control panel	PANT	03	G	0.9	1	Each	WD 290 seq panel
4754	CAP	electrical control panel	PANT	03	J	1.9	1	Each	on ramp
4777	CAP	electrical control panel	PANT	01	F	1.9	1	Each	ELPO mez- stage 2 panel
4794	CAP	electrical control panel	PANT	01	H	1.9	24	Each	ELPO mez - inside electrical panels
4822	CAP	electrical control panel	PANT	02	H	7	1	Each	Mez - BEHR powder bell panel
4827	CAP	electrical control panel	PANT	03	J	7	1	Each	Mez - FANUC robotics panel
4945	CAP	electrical control panel	PANT	02	B	2	1	Each	# 374
4949	CAP	electrical control panel	PANT	02	B	2	1	Each	# 362
4998	CAP	electrical control panel	PANT	02	H	3.3	1	Each	Tu Tone Booth panel
5005	CAP	electrical control panel	PANT	02	K	3.3	1	Each	# 189
5039	CAP	electrical control panel	PANT	02	M	5.5	2	Each	Omni panel
5050	CAP	electrical control panel	PANT	02		5	1	Each	Fanuc robotics panel cleanout #3
5054	CAP	electrical control panel	PANT	02		5	1	Each	Topcoat Master Panel Clearcoat # 3
5055	CAP	electrical control panel	PANT	02		5	1	Each	Topcoat Oven Panel Clearcoat #3
5073	CAP	electrical control panel	PANT	02	F	5	1	Each	Clearcooat # 3 Top Coat Clear Bells bpanel

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5080	CAP	electrical control panel	PANT	02	G	5	1	Each	APC control panel #213
5137	CAP	electrical control panel	PANT	02		6	1	Each	Clearcoat #1
5138	CAP	electrical control panel	PANT	02		6	1	Each	Mod #1 Robot PLC panel
5141	CAP	electrical control panel	PANT	02		6	1	Each	Clearcoat #1 Master Control panel
5142	CAP	electrical control panel	PANT	02		6	1	Each	Topcoat Oven Control panel
5251	CAP	electrical control panel	PANT	01	D	5	1	Each	CPU Panel # 260
5355	CAP	electrical control panel	PANT	01	L	3.3	1	Each	FANUC panel
5380	CAP	electrical control panel	PANT	01	H	3.3	1	Each	ELPO Sand Booth Panel
5408	CAP	electrical control panel	PANT	01	AD	1	1	Each	Panel 207
5500	CAP	electrical control panel	PANT	OR	H	7	1	Each	Penthouse
7043	CAP	electrical control panel	PANT	01	G	7.1	1	Each	paint mix system panel
7074	CAP	electrical control panel	PANT	01	G	7.1	1	Each	on wall
7080	CAP	electrical control panel	PANT	01	M	7	1	Each	primer primary feed
7081	CAP	electrical control panel	PANT	01	M	7	1	Each	reclaim primer mixing hopper control
7083	CAP	electrical control panel	PANT	01	M	7	1	Each	reclaim primary feed hopper
7167	CAP	electrical control panel	PANT	02		6	1	Each	Prime master ASH control panel
7170	CAP	electrical control panel	PANT	02		6	1	Each	Prime oven master control panel
7176	CAP	electrical control panel	PANT	02	F	6	1	Each	IR prime north panel
7213	CAP	electrical control panel	PANT	02	AD	6	1	Each	spot repair booth air supply control panel
7264	CAP	electrical control panel	PANT	02	AD	3.3	1	Each	CPU panel No 270
7265	CAP	electrical control panel	PANT	02	AD	3.3	1	Each	smarteye comm interface
7297	CAP	electrical control panel	PANT	02	M	4	1	Each	CPU panel 280
7302	CAP	electrical control panel	PANT	02	L	4	2	Each	color prep #3, color prep #4
7311	CAP	electrical control panel	PANT	02		5	1	Each	Turbobell side indexer(#4)
7323	CAP	electrical control panel	PANT	02		5	1	Each	Heated flash module #4
7339	CAP	electrical control panel	PANT	02		5	1	Each	Mod #4 robot PLC
7342	CAP	electrical control panel	PANT	02		5	1	Each	Mod #4 topcoat master ASH control panel
7345	CAP	electrical control panel	PANT	02		5	1	Each	Mod #4 oven master control panel
7348	CAP	electrical control panel	PANT	02		5	1	Each	Mod #4 clear coat bells
7349	CAP	electrical control panel	PANT	02		7	1	Each	Mod #2 clear coat bells
7358	CAP	electrical control panel	PANT	02		7	1	Each	Mod #2 Bell assembly
7360	CAP	electrical control panel	PANT	02		7	1	Each	Mod #2 Heated flash
7373	CAP	electrical control panel	PANT	02		7	1	Each	Mod #2 PLC
7375	CAP	electrical control panel	PANT	02		7	1	Each	Mod #2
7377	CAP	electrical control panel	PANT	02		7	1	Each	
7380	CAP	electrical control panel	PANT	02		7	1	Each	Mod #2 clear coat bells
7384	CAP	electrical control panel	PANT	02		6	2	Each	Mod #1 clear coat bells
7391	CAP	electrical control panel	PANT	02		6	1	Each	Mod 1 heated flash
7393	CAP	electrical control panel	PANT	OM	G	6	2	Each	Booth
7399	CAP	electrical control panel	PANT	OM	G	4	2	Each	Topcaot #1,2,3,4 entrance
7400	CAP	electrical control panel	PANT	OM	J	3	4	Each	topcaot #1,2,3,4 exit door
7402	CAP	electrical control panel	PANT	OM	H	3	4	Each	Basecoat #1,2,3,4 (exit door)

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
7404	CAP	electrical control panel	PANT	OM	K	3	4	Each	booth - basecoat 1,2,3,4 entrance
508	CFC	HVAC unit	PANT	OR			1	Each	AC # 434
509	CFC	HVAC unit	PANT	OR			1	Each	Trane HVAC - no identification
510	CFC	HVAC unit	PANT	OR			1	Each	AC # 432
974	CFC	HVAC unit	PANT	OR			36	LB	AC 434 HVAC
975	CFC	HVAC unit	PANT	OR			36	LB	AC 423 HVAC located near AC 433
976	CFC	HVAC unit	PANT	OR			36	LB	Trane HVAC located near AC 433
977	CFC	HVAC unit	PANT	OR			36	LB	Trane HVAC
4540	CFC	window/wall air conditioner	PANT	02	A	1.9	1	Each	
4588	CFC	HVAC unit	PANT	03	L	4	1	Each	TRANE unit
4592	CFC	electrical control cabinet air	PANT	03	J	3	1	Each	7142 Conveyor System Panel
4593	CFC	freezer/cooler	PANT	03	J	3	1	Each	
4720	CFC	drinking fountain	PANT	03	E	0	1	Each	
4725	CFC	drinking fountain	PANT	03	F	0.9	1	Each	
4729	CFC	electrical control cabinet air	PANT	03	F	0	1	Each	Fork transfer drive panel
4740	CFC	electrical control panel	PANT	03	H	09	1	Each	7114 conveyor panel
4743	CFC	electrical control cabinet air	PANT	04	M	0	1	Each	7112 Conveyor panel
4785	CFC	drinking fountain	PANT	01	G	1.9	1	Each	ELPO mez
4786	CFC	freezer/cooler	PANT	01	G	1.9	1	Each	ELPO mez
4791	CFC	HVAC unit	PANT	01	G	1.9	1	Each	ELPO mez- on LAB office
4795	CFC	electrical control cabinet air	PANT	01	H	1.9	1	Each	ELPO mez - ELPO DC Power supply
4809	CFC	electrical control cabinet air	PANT	01	D	1.9	1	Each	ELPO mez - 7132 conveyor panel
4810	CFC	electrical control cabinet air	PANT	02	K	7	1	Each	Mez - Nordson panel robot 1 hopper
4813	CFC	electrical control cabinet air	PANT	02	K	6	1	Each	Mez - Nordson Robot # 3 hopper panel
4814	CFC	electrical control cabinet air	PANT	02	J	6	1	Each	Mez - Nordson reclaim north finnl feed hopper
4815	CFC	electrical control cabinet air	PANT	02	J	6	1	Each	Mez - Nordson panel primer final feed hopper
4816	CFC	electrical control cabinet air	PANT	02	H	6	1	Each	Mez - Nordson panel main automation control
4818	CFC	electrical control cabinet air	PANT	02	H	6	1	Each	Mez - Nordsorr panel blackout north final feed hopper
4819	CFC	electrical control cabinet air	PANT	02	H	6	1	Each	Mez - Nordson panel blackout Nnrth robot #5 hopper
4821	CFC	electrical control cabinet air	PANT	02	H	7	1	Each	Mez - BEHR powder bell panel
4824	CFC	electrical control cabinet air	PANT	02	J	7	1	Each	Mez - Nordson panel blackout south robot
4825	CFC	electrical control cabinet air	PANT	02	J	7	1	Each	Mez - Nordson panel blackout south final feed hopper
4826	CFC	electrical control cabinet air	PANT	02	J	7	1	Each	Mez - FANUC robotics panel powder CE
4828	CFC	electrical control cabinet air	PANT	02	J	7	1	Each	Mez - Nordson panel primer south final feed hopper
4829	CFC	electrical control cabinet air	PANT	02	K	7	1	Each	Mez - Nordson panel reclaim sonth final feed hopper
4830	CFC	electrical control cabinet air	PANT	02	K	7	1	Each	Mez - Nordson panel reclaim south robot hopper
4832	CFC	electrical control cabinet air	PANT	02	K	7	1	Each	Mez - Nordson panel reclaim south robot hopper
4948	CFC	electrical control cabinet air	PANT	02	B	2	1	Each	HUB
4950	CFC	electrical control cabinet air	PANT	02	A	2	1	Each	# 362
4959	CFC	drinking fountain	PANT	02	AF	3.3	1	Each	
4966	CFC	refrigerated vending machine	PANT	02	AE	3.3	1	Each	
4967	CFC	freezer/cooler	PANT	02	AE	3.3	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4971	CFC	ice machine	PANT	02	AD	3.3	1	Each	
4972	CFC	HVAC unit	PANT	02	AD	3.3	1	Each	TRANE
4973	CFC	drinking fountain	PANT	02	AC	3.3	2	Each	in inspection booth
4978	CFC	drinking fountain	PANT	02	A	33	1	Each	in inspection booth
4995	CFC	HVAC unit	PANT	02	E	3.3	1	Each	Magic Air
5002	CFC	drinking fountain	PANT	02	K	3.3	1	Each	
5004	CFC	electrical control cabinet air	PANT	02	K	3.3	1	Each	# 189
5012	CFC	drinking fountain	PANT	02	M	3.3	1	Each	
5014	CFC	drinking fountain	PANT	02	L	3.3	1	Each	
5042	CFC	drinking fountain	PANT	02	L	5.5	1	Each	
5046	CFC	drinking fountain	PANT	02	M	6	1	Each	
5047	CFC	electrical control cabinet air	PANT	02	M	6	1	Each	
5051	CFC	electrical control cabinet air	PANT	02		5	1	Each	Fanuc Panel Clear Coat #3
5065	CFC	drinking fountain	PANT	02		5	1	Each	Clearcoat #3
5069	CFC	electrical control cabinet air	PANT	02	C	5	1	Each	Clearcoat #3 Zone 1 Panel
5072	CFC	electrical control cabinet air	PANT	02		5	1	Each	Top Coat System #3 Clear Coat Bells panel
5139	CFC	electrical control cabinet air	PANT	02		6	1	Each	Mod #1 Robot PLC panel
5146	CFC	drinking fountain	PANT	02		6	2	Each	Clearcoat #1
5166	CFC	dehumidifier	PANT	02	K	7	6	Each	
5167	CFC	dehumidifier	PANT	02	H	7	8	Each	
5211	CFC	drinking fountain	PANT	01	AF	7	1	Each	
5226	CFC	electrical control cabinet air	PANT	01	AD	4	1	Each	HUB
5262	CFC	drinking fountain	PANT	01	E	3	1	Each	
5283	CFC	drinking fountain	PANT	01	AF	3	1	Each	
5286	CFC	freezer/cooler	PANT	01	C	3	1	Each	
5287	CFC	drinking fountain	PANT	01	C	3	1	Each	
5288	CFC	ice machine	PANT	01	C	3	1	Each	
5308	CFC	window/wall air conditioner	PANT	01	M	7	3	Each	
5323	CFC	window/wall air conditioner	PANT	01	M	6	1	Each	
5325	CFC	drinking fountain	PANT	01	M	6	1	Each	in Woman's locker room
5326	CFC	drinking fountain	PANT	01	M	6	1	Each	in hallway
5328	CFC	drinking fountain	PANT	01	M	5	1	Each	Men's locker room
5331	CFC	drinking fountain	PANT	01	M	4	1	Each	
5356	CFC	electrical control cabinet air	PANT	01	L	3.3	1	Each	Fanuc panel
5359	CFC	electrical control cabinet air	PANT	01	L	3.3	1	Each	on floor
5364	CFC	electrical control cabinet air	PANT	01	L	4	4	Each	on floor
5371	CFC	drinking fountain	PANT	01	J	4	1	Each	
5372	CFC	drinking fountain	PANT	01	J	3.3	1	Each	
5384	CFC	drinking fountain	PANT	01	G	4	1	Each	
5390	CFC	freezer/cooler	PANT	01	B	2	1	Each	
5403	CFC	electrical control cabinet air	PANT	01	AD	1	1	Each	Panel 206
5410	CFC	drinking fountain	PANT	01	AD	2	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5427	CFC	freezer/cooler	PANT	01	N	5	3	Each	In cafeteria
5428	CFC	ice machine	PANT	01	N	5	1	Each	In cafeteria
5429	CFC	drinking fountain	PANT	01	N	5	1	Each	In cafeteria
5445	CFC	drinking fountain	PANT	01	M	6	1	Each	office
5465	CFC	electrical control cabinet air	PANT	OR	K	6	1	Each	Penthouse
5478	CFC	electrical control cabinet air	PANT	OR	J	7	1	Each	Penthouse - Recirculating Fan #2 panel
5487	CFC	electrical control cabinet air	PANT	OR	T	5	3	Each	Penthouse - Rockwell Automation
5497	CFC	electrical control cabinet air	PANT	OR	H	7	1	Each	Penthouse - recirculating fan #3
5498	CFC	electrical control cabinet air	PANT	OR	H	7	1	Each	Penthouse
6996	CFC	drinking fountain	PANT	01	AD	5	1	Each	Mod #1 booth
7001	CFC	drinking fountain	PANT	01	AD	4	1	Each	Mod #4 booth
7003	CFC	cooler	PANT	01	AC	6	1	Each	Powder Prime
7005	CFC	cooler	PANT	01	AC	5	1	Each	Topcoat #1
7006	CFC	clooler	PANT	01	AC	5	1	Each	Topcoat #2
7007	CFC	cooler	PANT	01	AC	4	1	Each	Topcoat #3
7008	CFC	cooler	PANT	01	AC	4	1	Each	Topcoat #4
7036	CFC	drinking fountain	PANT	01	G	7.5	1	Each	
7175	CFC	electrical control cabinet air	PANT	02	F	6	1	Each	IR prime north panel
7217	CFC	drinking fountain	PANT	02	AE	6	1	Each	
7226	CFC	drinking fountain	PANT	02	AD	5	1	Each	spot repair booth
7266	CFC	electrical control cabinet air	PANT	02	AD	3.3	1	Each	Smarteye comm interface
7275	CFC	drinking fountain	PANT	02	H	3.3	2	Each	in booth
7282	CFC	drinking fountain	PANT	02	L	3.3	1	Each	
7283	CFC	drinking fountain	PANT	02	M	4	1	Each	
7334	CFC	drinking fountain	PANT	02		5	1	Each	(topcoat #3)
7347	CFC	electrical control cabinet air	PANT	02		5	1	Each	Mod #4 clear coat bells
7371	CFC	drinking fountain	PANT	02		7	1	Each	Mod #2
7372	CFC	electrical control cabinet air	PANT	02		7	1	Each	Mod #2 PLC
7385	CFC	electrical control cabinet air	PANT	02		6	1	Each	Mod #1 clear coat bells
7392	CFC	dehumidifier	PANT	OM	E	6	2	Each	Booth
7396	CFC	dehumidifier	PANT	OM	E	5	2	Each	
7403	CFC	dehumidifier	PANT	OM	K	5	2	Each	H202A, H202B
7405	CFC	dehumidifier	PANT	OM	K	3	2	Each	H201A, H201B
7416	CFC	electrical control cabinet air	PANT	OR	E	4	2	Each	Penthouse - Fire protection panel
7431	CFC	electrical control cabinet air	PANT	OR	F	4	1	Each	Penthouse - loose on floor
7432	CFC	electrical control cabinet air	PANT	OR	F	4	1	Each	Penthouse - Controls supply fan panel
7449	CFC	electrical control cabinet air	PANT	OR	G	6	1	Each	Penthouse - HUB
512	CNT	drum	PANT	OR			50	Gal	60% water, 40% antifreeze - east penthouse
514	CNT	pail	PANT	OR			5	Gal	Tar - east penthouse
4564	CNT	pail	PANT	03	F	3	1	Each	5 gal grease
4587	CNT	pail	PANT	03	L	4	1	Each	5 gal Castrol oil
4600	CNT	drum	PANT	03	J	3	3	Each	30 gal grease

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4606	CNT	drum	PANT	03	H	3	2	Each	50 gal Oil
4807	CNT	pail	PANT	01	J	0.9	1	Each	ELPO mez- 5 gal Oxy Chem Tower brom
4984	CNT	drum	PANT	02	B	3.3	1	Each	30 gal grease lubricator
5031	CNT	pail	PANT	02	N	6	1	Each	30 gal grease lubricator
5041	CNT	drum	PANT	02	M	5.5	1	Each	30 gal grease lubricator
5198	CNT	drum	PANT	02	B	5	2	Each	50 gal P3 Peelable Mask
5249	CNT	drum	PANT	01	E	4	1	Each	30 gal grease
5257	CNT	pail	PANT	01	F	4	2	Each	30 gal grease
5267	CNT	drum	PANT	01	AD	4	1	Each	30 gal grease
5307	CNT	drum	PANT	01	K	7	1	Each	dust
5319	CNT	drum	PANT	01	M	7	4	Each	Urethane adhesive
5322	CNT	drum	PANT	01	M	6	1	Each	dust
5377	CNT	drum	PANT	01	H	3	1	Each	Beta Seal
5378	CNT	drum	PANT	01	H	3.3	6	Each	Betaguard
5388	CNT	pail	PANT	01	B	2	1	Each	unknown
5471	CNT	drum	PANT	OR	L	7	1	Each	Penthouse - 50 gal Dowtherm SR-1
5472	CNT	drum	PANT	OR	K	7	4	Each	Penthouse - 30% ethylene glycol mixture
7029	CNT	drum	PANT	01	H	9	4	Each	unknown
7040	CNT	drum	PANT	01	G	7.5	1	Each	50 gal used oil
7042	CNT	drum	PANT	01	G	7.1	1	Each	50 gal urethane adhesive
7044	CNT	pail	PANT	01	G	7.1	1	Each	5 gal acrylic sealer - Duponnt coatings lab area
7050	CNT	drum	PANT	01	H	8	1	Each	50 gal isopropyl alcohol - paint mix room
7051	CNT	pail	PANT	01	H	8	1	Each	5 gal Parcosol - paint mix room
7058	CNT	pail	PANT	01	J	8	4	Each	5 gal solvent - paint mix room
7067	CNT	pail	PANT	01	h	7.1	12	Each	5 gal solvent - paint mix room
7090	CNT	drum	PANT	01	L	4	1	Each	30 gal grease
7091	CNT	drum	PANT	01	M	4	1	Each	30 gal grease
7096	CNT	drum	PANT	01	L	5	2	Each	30 gal grease
7102	CNT	drum	PANT	01	L	6	2	Each	30 gal grease
7106	CNT	drum	PANT	01	H	4	1	Each	50 gal oil
7107	CNT	pail	PANT	01	H	4	1	Each	5 gal used oil
7111	CNT	drum	PANT	01	H	5	1	Each	50 gal unknown - paint house sludge system
7112	CNT	pail	PANT	01	H	5	3	Each	5 gal oxidizer - paint house sludge system
7119	CNT	drum	PANT	01	H	4	1	Each	50 gal unknown
7124	CNT	drum	PANT	01	G	4	12	Each	50 gal saf-t-clean
7131	CNT	drum	PANT	01	F	4	4	Each	50 gal drum
7132	CNT	drum	PANT	01	F	4	2	Each	50 gal cooling water treatment
7133	CNT	pail	PANT	01	F	4	1	Each	5 gal liquid scale remover
7148	CNT	drum	PANT	01	F	5	1	Each	50 gal CL-16 resin cleaner
7149	CNT	drum	PANT	01	F	5	1	Each	50 gal CL-280 closed system treatment
7152	CNT	drum	PANT	01	E	5	1	Each	30 gal grease
7153	CNT	drum	PANT	01	E	4	1	Each	30 gal grease

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7154	CNT	drum	PANT	01	N	6	2	Each	30 gal grease
7180	CNT	drum	PANT	02	F	6	2	Each	50 gal unknown
7181	CNT	drum	PANT	02	F	6	3	Each	50 gal xylene solvent
7182	CNT	drum	PANT	02	F	6	1	Each	50 gal thinner
7183	CNT	drum	PANT	02	F	6	1	Each	isopropyl alcohol
7253	CNT	drum	PANT	02	AE	1	1	Each	30 gal grease
7262	CNT	drum	PANT	02	AE	3.3	1	Each	3
7268	CNT	pail	PANT	02	AB	3.3	2	Each	5 gal rainwater
7271	CNT	drum	PANT	02	B	3.3	1	Each	30 gal grease
7274	CNT	pail	PANT	02	B	3.3	2	Each	5 gal grease
7301	CNT	drum	PANT	02	M	4	1	Each	30 gal grease
7407	CNT	drum	PANT	OR	J	3	1	Each	Penthouse - 50 gal dowtherm SR-1
7410	CNT	drum	PANT	OR	H	3	2	Each	Penthouse - 50 gal P3 baffle cont
497	CRT	control panel CRT	PANT	OR			2	Each	ASH #1
502	CRT	control panel CRT	PANT	OR			2	Each	ASH #2
503	CRT	control panel CRT	PANT	OR			2	Each	ASH #3
504	CRT	control panel CRT	PANT	OR			2	Each	ASH #4
1608	CRT	control panel CRT	PANT	01			1	Each	ELPO Substation
4537	CRT	computer monitor	PANT	02	A	0.9	1	Each	
4581	CRT	control panel CRT	PANT	03	M	3	1	Each	
4590	CRT	control panel CRT	PANT	03	K	3	1	Each	ELPO Oven South Pass Convection Pass 6
4599	CRT	control panel CRT	PANT	03	H	3	2	Each	ELPO oven panel
4610	CRT	control panel CRT	PANT	03	F	3	2	Each	on ELPO oven panel
4612	CRT	control panel CRT	PANT	03	E	3	2	Each	ELPO radient zone elect panel
4616	CRT	control panel CRT	PANT	03	D	1.9	2	Each	ELPO radiant zone 1 panel
4619	CRT	control panel CRT	PANT	03	C	3	2	Each	ELPO Fresh air zone
4787	CRT	computer monitor	PANT	01	G	1.9	3	Each	ELPO mez
4790	CRT	control panel CRT	PANT	01	F	1.9	1	Each	ELPO mez - ELPO Stage 2
4796	CRT	control panel CRT	PANT	01	H	1.9	1	Each	ELPO mez - ELPO DC Power Supply
4999	CRT	control panel CRT	PANT	02	H	3.3	1	Each	Tu Tone Booth panel
5033	CRT	control panel CRT	PANT	02	M	6	1	Each	
5045	CRT	control panel CRT	PANT	02	M	6	1	Each	
5053	CRT	control panel CRT	PANT	02		5	2	Each	Topcoat Master Panel Clearcoat #3
5056	CRT	control panel CRT	PANT	02		5	1	Each	Topcoat Oven Clearcoat #3
5134	CRT	computer monitor	PANT	02	K	5	1	Each	
5140	CRT	control panel CRT	PANT	02		6	2	Each	Clearcoat#1 Master Control panel
5143	CRT	control panel CRT	PANT	02		6	1	Each	Clearcoat oven control panel
5185	CRT	control panel CRT	PANT	02	AC	5	1	Each	Conveyor 230 panel
5187	CRT	control panel CRT	PANT	02	AC	5	1	Each	Conveyor 229 panel
5358	CRT	control panel CRT	PANT	01	L	3.3	1	Each	Nordson
5360	CRT	control panel CRT	PANT	01	L	3.3	1	Each	SEAL
5361	CRT	computer monitor	PANT	01	K	3.3	2	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5381	CRT	control panel CRT	PANT	01	H	3.3	1	Each	ELPO Sand Booth Panel
5389	CRT	computer monitor	PANT	01	B	2	1	Each	
5398	CRT	control panel CRT	PANT	01	AB	2	1	Each	on shelf
5409	CRT	control panel CRT	PANT	01	AD	1	1	Each	Panel 207
5426	CRT	television	PANT	01	N	5	2	Each	In cafeteria
5444	CRT	computer monitor	PANT	01	M	6	2	Each	office
5448	CRT	television	PANT	01	M	6	1	Each	office
5475	CRT	control panel CRT	PANT	OR	K	7	1	Each	Penthouse - Heat Flash abatement panel
5499	CRT	control panel CRT	PANT	OR	H	7	1	Each	Penthouse
7037	CRT	control panel CRT	PANT	01	G	7.5	1	Each	
7073	CRT	control panel CRT	PANT	OM	G	7.1	1	Each	paint mix heat exchange above Dupont lab
7078	CRT	control panel CRT	PANT	01	M	7	1	Each	Durr sack unload & primary pump panel
7117	CRT	computer monitor	PANT	01	H	4	1	Each	sludge system control panel
7118	CRT	control panel CRT	PANT	01	H	4	1	Each	loose on floor
7134	CRT	control panel CRT	PANT	01	F	4	1	Each	R/O water system panel
7164	CRT	computer monitor	PANT	02		6	1	Each	powder system control console
7165	CRT	control panel CRT	PANT	02		6	2	Each	powder system control console
7166	CRT	computer monitor	PANT	02		6	1	Each	Paint works 2
7169	CRT	computer monitor	PANT	02		6	1	Each	Prime master ASH control panel
7171	CRT	control panel CRT	PANT	02		6	1	Each	Prime oven master control panel
7172	CRT	computer monitor	PANT	02		6	2	Each	
7177	CRT	control panel CRT	PANT	02	F	6	1	Each	IR prime north panel
7184	CRT	control panel CRT	PANT	02	F	6	1	Each	IR prime south panel
7192	CRT	computer monitor	PANT	02	B	6	1	Each	paint robot teaching room
7214	CRT	control panel CRT	PANT	02	AD	6	1	Each	spot repair booth air supply control panel
7293	CRT	control panel CRT	PANT	02	M	4	1	Each	
7295	CRT	control panel CRT	PANT	02	M	4	2	Each	CPU panel 280
7338	CRT	control panel CRT	PANT	02		5	1	Each	Mod #4 robot PLC (Topcoat #4)
7341	CRT	computer monitor	PANT	02		5	1	Each	Paint works 2
7343	CRT	control panel CRT	PANT	02		5	2	Each	Mod #4 topcoat master ASH control panel
7346	CRT	control panel CRT	PANT	02		5	2	Each	Mod #4 oven master control panel
7352	CRT	computer monitor	PANT	02		7	1	Each	
7357	CRT	control panel CRT	PANT	02		7	1	Each	Mod #2 Bell assembly
7359	CRT	computer monitor	PANT	02		7	1	Each	Mod #2 Bell assembly
7374	CRT	computer monitor	PANT	02		7	1	Each	Paint works 2
7376	CRT	computer monitor	PANT	02		7	2	Each	
7378	CRT	control panel CRT	PANT	02		7	2	Each	
7379	CRT	control panel CRT	PANT	02		7	1	Each	Mod #2 clear coat bells
7381	CRT	computer monitor	PANT	02		7	1	Each	Mod #2 clear coat bells
7412	CRT	control panel CRT	PANT	OR	G	3	1	Each	Penthouse - Incinerator panel
7429	CRT	control panel CRT	PANT	OR	G	4	1	Each	Penthouse - clearcoat ASH recirc Mod #4
7434	CRT	control panel CRT	PANT	OR	G	4	1	Each	Penthouse - clear coat recirc mod #3

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
7445	CRT	control panel CRT	PANT	OR	G	5	1	Each	Penthouse - clercoat mod #2 panel
7446	CRT	control panel CRT	PANT	OR	G	5	1	Each	Penthouse - clearcoat mod #1 panel
5691	CTN	coated concrete	PANT	01	F	4	1	Each	103' x 22' x 0.5' heavy staining
5694	CTN	containment	PANT	01	E	4	1	Each	15' x 28' x 0.5' heavy staining
4701	CYL	compressed gas - acetylene	PANT	03	C	0.9	1	Each	
4702	CYL	compressed gas - oxygen	PANT	03	C	0.9	1	Each	
5302	CYL	compressed gas - other	PANT	01	H	7	6	Each	Ansul
5303	CYL	compressed gas - other	PANT	01	H	7	1	Each	unknown
5386	CYL	compressed gas - acetylene	PANT	01	B	2	1	Each	
5387	CYL	compressed gas - oxygen	PANT	01	B	2	1	Each	
7028	CYL	compressed gas - nitrogen	PANT	01	H	9	12	Each	
7138	CYL	compressed gas - other	PANT	01	F	5	2	Each	air
7141	CYL	compressed gas - oxygen	PANT	01	F	6	10	Each	
7142	CYL	propane	PANT	01	F	6	2	Each	
7143	CYL	compressed gas - acetylene	PANT	01	F	6	2	Each	
7173	CYL	compressed gas - nitrogen	PANT	02		6	1	Each	
7437	CYL	compressed gas - other	PANT	OR	D	4	1	Each	Penthouse
5201	DRN	drain	PANT	02	B	5	1	Each	
5432	DRN	drain	PANT	01	N	5	1	Each	in cafeteria
1022	DUC	stack	PANT	OR			1	Each	Color 1 radient exhaust
1023	DUC	stack	PANT	OR			1	Each	Color 2 radient exhaust
1024	DUC	stack	PANT	OR			1	Each	Color 3 radient exhaust
1025	DUC	stack	PANT	OR			1	Each	Color 4 radient exhaust
1026	DUC	stack	PANT	OR			1	Each	Color 1 incinerator
1027	DUC	stack	PANT	OR			1	Each	Color 2 incinerator
1028	DUC	exhaust	PANT	OR			1	Each	Color 3 incinerator
1029	DUC	stack	PANT	OR			1	Each	Color 4 incinerator
1030	DUC	exhaust	PANT	OR			1	Each	Prime convection exhaust
1031	DUC	stack	PANT	OR			1	Each	Color 1 convection exhaust
1032	DUC	exhaust	PANT	OR			1	Each	Color 2 convection exhaust
1033	DUC	exhaust	PANT	OR			1	Each	Color 3 convection exhaust
1034	DUC	stack	PANT	OR			1	Each	Color 4 convection exhaust
1035	DUC	stack	PANT	OR			1	Each	Heavy sand exhaust
1036	DUC	stack	PANT	OR			1	Each	Color 1 cooler exhaust
1037	DUC	stack	PANT	OR			1	Each	Color 2 cooler exhaust
1038	DUC	stack	PANT	OR			1	Each	Color 3 cooler exhaust
1039	DUC	stack	PANT	OR			1	Each	Color 4 cooler exhaust
1040	DUC	stack	PANT	OR			5	Each	Spot repair inspection exhaust
1041	DUC	stack	PANT	OR			1	Each	Prime cooler exhaust
1042	DUC	stack	PANT	OR			1	Each	Boiler exhaust
1043	DUC	stack	PANT	OR			1	Each	Prime oven radient exhaust
1044	DUC	stack	PANT	OR			2	Each	No. 1 demask exhaust

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TABLE 1
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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1045	DUC	stack	PANT	OR			1	Each	No. 1 clear coat bell
1046	DUC	stack	PANT	OR			2	Each	No. 2 clear coat robot
1047	DUC	stack	PANT	OR			3	Each	No. 1 base coat robot
1048	DUC	stack	PANT	OR			1	Each	No. 1 tack off feather duster
1049	DUC	stack	PANT	OR			1	Each	No. 2 tack off feather duster
1050	DUC	stack	PANT	OR			1	Each	No. 3 tack off feather duster
1051	DUC	stack	PANT	OR			1	Each	No. 4 tack off feather duster
1052	DUC	stack	PANT	OR			3	Each	No. 2 base coat robot
1053	DUC	stack	PANT	OR			3	Each	No. 3 base coat robot
1054	DUC	stack	PANT	OR			3	Each	No. 4 base coat robot
1055	DUC	stack	PANT	OR			1	Each	Sludge exhaust
1056	DUC	stack	PANT	OR			2	Each	Flash off heat exchange
1057	DUC	stack	PANT	OR			2	Each	No. 3 clear coat robot
1058	DUC	stack	PANT	OR			2	Each	No. 4 clear coat robot
1059	DUC	stack	PANT	OR			4	Each	Unidentified stacks
1060	DUC	stack	PANT	OR			1	Each	No. 7 carbon wheel exhaust
1061	DUC	stack	PANT	OR			1	Each	No. 8 clear coat incinerator
1062	DUC	stack	PANT	OR			1	Each	No. 4 clear coat bell
1063	DUC	stack	PANT	OR			2	Each	No. 4 demask
1064	DUC	stack	PANT	OR			2	Each	No. 3 demask
1065	DUC	stack	PANT	OR			2	Each	No. 2 demask
1066	DUC	stack	PANT	OR			1	Each	No. 2 clear coat bell
1067	DUC	stack	PANT	OR			1	Each	No. 3 clear coat bell
1068	DUC	stack	PANT	OR			1	Each	FIE ELPO Exhaust
1069	DUC	stack	PANT	OR			1	Each	RTO Oven Junction (N)
1070	DUC	stack	PANT	OR			1	Each	RTO Oven Junction (S)
1071	DUC	stack	PANT	OR			1	Each	Maintenance purge exhaust
1072	DUC	stack	PANT	OR			1	Each	oven quick cool fan
1073	DUC	stack	PANT	OR			7	Each	Unidentified stacks
1074	DUC	stack	PANT	OR			1	Each	Phosphate stage 1 exhaust
1075	DUC	stack	PANT	OR			1	Each	Phosphate stage 2 exhaust
1076	DUC	stack	PANT	OR			1	Each	Maintenance exhaust
1077	DUC	stack	PANT	OR			1	Each	Stage 5 clean exhaust
1078	DUC	stack	PANT	OR			1	Each	Stage 5 phosphate exhaust
1605	FEX	20# CO2	PANT	01			1	Each	ELPO Substation
4536	FEX	20# CO2	PANT	02	A	0.9	1	Each	
4605	FEX	20# water	PANT	03	H	3	1	Each	
4709	FEX	20# water	PANT	03	C	0.9	1	Each	
4734	FEX	10# dry	PANT	03	H	0.9	1	Each	
4741	FEX	20# water	PANT	03	H	1	1	Each	
4749	FEX	20# water	PANT	04	M	0	1	Each	
4753	FEX	20# water	PANT	03	J	1.9	1	Each	on ramp

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4769	FEX	20# water	PANT	01	D	1.9	1	Each	ELPO mez
4773	FEX	20# water	PANT	01	F	1.9	1	Each	ELPO mez
4808	FEX	20# water	PANT	01	D	1.9	1	Each	ELPO mez
4952	FEX	20# CO2	PANT	02	AB	1	1	Each	
4955	FEX	20# CO2	PANT	02	AE	1	1	Each	
4986	FEX	20# water	PANT	02	B	2	1	Each	
4987	FEX	20# CO2	PANT	02	D	2	1	Each	
4991	FEX	20# water	PANT	02	E	3	1	Each	
5000	FEX	20# CO2	PANT	02	H	3	1	Each	
5010	FEX	20# CO2	PANT	02	L	3	1	Each	
5018	FEX	20# CO2	PANT	02	P	3.3	1	Each	
5020	FEX	20# CO2	PANT	02	P	5	1	Each	
5036	FEX	20# CO2	PANT	02	N	5	1	Each	
5037	FEX	20# CO2	PANT	02	M	5,5	1	Each	
5044	FEX	20# CO2	PANT	02	L	6	1	Each	
5048	FEX	20# C02	PANT	02	L	6	1	Each	
5049	FEX	20# CO2	PANT	02		5	1	Each	Clear Coat#3
5057	FEX	20# water	PANT	02		5	1	Each	Clearcoat #3
5058	FEX	20# CO2	PANT	02		5	1	Each	Clearcoat #3
5070	FEX	20# CO2	PANT	02	D	5	1	Each	Clearcoat #3
5071	FEX	20# CO2	PANT	02		5	1	Each	Clearcout #3
5133	FEX	20# CO2	PANT	02	K	5	1	Each	Clearcoat # 3
5136	FEX	20# CO2	PANT	02		6	1	Each	Clearcoat #1
5144	FEX	20# CO2	PANT	02		6	1	Each	Clearcoat #1
5149	FEX	20# CO2	PANT	02		6	1	Each	Clearcoat Module #1
5151	FEX	20# CO2	PANT	02		6	1	Each	Clearcoat Mod #1
5159	FEX	20# CO2	PANT	02	L	7	2	Each	
5162	FEX	20# CO2	PANT	02			1	Each	
5168	FEX	20# CO2	PANT	02	H	7	1	Each	
5174	FEX	20# CO2	PANT	02	B	4	1	Each	
5181	FEX	20# CO2	PANT	02	AA	5	1	Each	
5191	FEX	20# CO2	PANT	02	AA	5	1	Each	
5212	FEX	20# CO2	PANT	01	AF	7	1	Each	
5219	FEX	20# CO2	PANT	01	AF	6	1	Each	
5223	FEX	20# CO2	PANT	01	AF	4	1	Each	
5225	FEX	20# CO2	PANT	01	AD	4	1	Each	
5227	FEX	20# CO2	PANT	01	A	5	1	Each	
5245	FEX	20# CO2	PANT	01	D	5	1	Each	
5261	FEX	20# water	PANT	01	E	3	1	Each	
5265	FEX	20# CO2	PANT	01	AD	3	1	Each	
5285	FEX	20# water	PANT	01	C	2	2	Each	
5293	FEX	20# CO2	PANT	01	B	2	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5324	FEX	20# water	PANT	01	M	6	1	Each	
5329	FEX	20# CO2	PANT	01	M	5	1	Each	in hallway
5332	FEX	20# CO2	PANT	01	P	4	1	Each	
5383	FEX	20# CO2	PANT	01	G	3.3	1	Each	
5392	FEX	20# CO2	PANT	01	AA	1	1	Each	
5415	FEX	20# water	PANT	01	AE	2	1	Each	
5430	FEX	20# water	PANT	01	N	5	1	Each	In cafeteria
5446	FEX	20# CO2	PANT	01	N	6	1	Each	office
5449	FEX	20# CO2	PANT	01	N	7	1	Each	
5460	FEX	20# CO2	PANT	OR	K	4	1	Each	Penthouse
5462	FEX	20# water	PANT	OR	L	5	1	Each	Penthouse
5463	FEX	20# CO2	PANT	OR	L	5	1	Each	Penthouse
5466	FEX	20# CO2	PANT	OR	L	7	1	Each	Penthouse
5493	FEX	20# CO2	PANT	OR	J	5	1	Each	Penthouse
6995	FEX	20# CO2	PANT	01	AD	5	1	Each	
7000	FEX	20# CO2	PANT	01	AD	5	1	Each	Mod #2 booth
7002	FEX	20# CO2	PANT	01	AD	4	1	Each	Mod #4 booth
7011	FEX	20# CO2	PANT	01	AA	5	1	Each	
7019	FEX	20# CO2	PANT	01	AA	7	1	Each	
7022	FEX	20# CO2	PANT	01	E	7	1	Each	
7027	FEX	20# CO2	PANT	01	H	9	1	Each	
7032	FEX	20# CO2	PANT	01	G	7.5	1	Each	
7048	FEX	20# CO2	PANT	01	G	7.1	1	Each	Dupont coatings lab area
7049	FEX	20# CO2	PANT	01	H	8	1	Each	paint mix room
7061	FEX	20# CO2	PANT	01	L	7.5	1	Each	paint mix room
7068	FEX	20# CO2	PANT	01	L	7.1	1	Each	paint mix room
7087	FEX	20# CO2	PANT	01	L	4	1	Each	
7093	FEX	20# CO2	PANT	01	L	5	1	Each	
7103	FEX	20# CO2	PANT	01	L	6	1	Each	
7105	FEX	20# CO2	PANT	01	H	4	1	Each	
7125	FEX	20# CO2	PANT	01	G	4	1	Each	
7150	FEX	20# CO2	PANT	01	F	5	1	Each	
7151	FEX	20# CO2	PANT	01	E	5	1	Each	
7163	FEX	20# CO2	PANT	02		6	1	Each	Powder prime
7188	FEX	20# CO2	PANT	02	D	6	1	Each	
7193	FEX	20# CO2	PANT	02	B	6	1	Each	
7199	FEX	20# CO2	PANT	02	A	6	1	Each	
7202	FEX	20# CO2	PANT	02	AA	7	1	Each	
7206	FEX	20# CO2	PANT	02	AC	6	1	Each	
7212	FEX	20# CO2	PANT	02	AD	7	1	Each	
7215	FEX	20# CO2	PANT	02	AE	7	1	Each	
7221	FEX	20# CO2	PANT	02	AF	5	1	Each	

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
7222	FEX	20# CO2	PANT	02	AE	6	1	Each	spot repair booth
7223	FEX	20# CO2	PANT	02	AD	6	1	Each	Spot repair booth
7224	FEX	20# CO2	PANT	02	AC	6	1	Each	Spot repair booth
7225	FEX	20# CO2	PANT	02	AD	5	1	Each	spot repair booth
7227	FEX	20# CO2	PANT	02	AD	5	1	Each	spot paint booth
7228	FEX	20# CO2	PANT	02	AE	5	1	Each	spot paint booth
7233	FEX	20# CO2	PANT	02	AE	4	1	Each	spot paint booth
7234	FEX	20# CO2	PANT	02	AD	4	2	Each	spot paint booth
7246	FEX	20# CO2	PANT	02	AA	2	1	Each	
7250	FEX	20# CO2	PANT	02	AD	2	1	Each	
7257	FEX	20# water	PANT	02	AF	2	1	Each	
7259	FEX	20# CO2	PANT	02	AE	4	1	Each	
7280	FEX	20# CO2	PANT	02	L	4	1	Each	
7298	FEX	20# CO2	PANT	02	M	4	1	Each	
7307	FEX	20# CO2	PANT	02		5	1	Each	(topcoat #3)
7310	FEX	20# CO2	PANT	02		5	5	Each	(topcoat #4)
7335	FEX	20# CO2	PANT	02		5	1	Each	(topcoat #3)
7351	FEX	20# CO2	PANT	02		7	5	Each	
7383	FEX	20# CO2	PANT	02		6	1	Each	
7394	FEX	20# CO2	PANT	OM	G	5	1	Each	
7395	FEX	20# CO2	PANT	OM		G	5	Each	Booth
7397	FEX	20# CO2	PANT	OM	E	5	1	Each	Booth
7409	FEX	20# CO2	PANT	OR	J	3	1	Each	Penthouse
7417	FEX	20# CO2	PANT	OR	F	3	1	Each	Penthouse
7418	FEX	20# CO2	PANT	OR	D	3	1	Each	Penthouse
7433	FEX	20# CO2	PANT	OR	F	5	1	Each	Penthouse
5264	FEY	20# CO2	PANT	01	AA	3	1	Each	
4761	FLR	concrete	PANT	01	B	1.9	1	Each	ELPO mez- heavy paint accumulation
5232	FLR	concrete	PANT	01	B	4	1	Each	Heavy staining
5693	FLR	concrete	PANT	01	F	4	1	Each	Severe staining
5726	FLR	concrete	PANT	01	H	7.5	1	Each	Stained
981	FTR	air filter	PANT	OR			1	Each	AC 402
982	FTR	air filter	PANT	OR			1	Each	AC 403
983	FTR	air filter	PANT	OR			1	Each	AC 411
984	FTR	air filter	PANT	OR			1	Each	AC 412
985	FTR	air filter	PANT	OR			1	Each	AC 414
986	FTR	air filter	PANT	OR			1	Each	AC 431
987	FTR	air filter	PANT	OR			1	Each	AC 433
988	FTR	air filter	PANT	OR			1	Each	HV 401
989	FTR	air filter	PANT	OR			1	Each	HV 402
990	FTR	air filter	PANT	OR			1	Each	HV 403
991	FTR	air filter	PANT	OR			1	Each	HV 404

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
992	FTR	air filter	PANT	OR			1	Each	HV 411
993	FTR	air filter	PANT	OR			1	Each	HV 412
994	FTR	air filter	PANT	OR			1	Each	HV 413
995	FTR	air filter	PANT	OR			1	Each	HV 413
996	FTR	air filter	PANT	OR			1	Each	HV 414
997	FTR	air filter	PANT	OR			1	Each	HV 415
998	FTR	air filter	PANT	OR			1	Each	HV 416
999	FTR	air filter	PANT	OR			1	Each	HV 417
1000	FTR	air filter	PANT	OR			1	Each	HV 421
1001	FTR	air filter	PANT	OR			1	Each	HV 422
1002	FTR	air filter	PANT	OR			1	Each	HV 423
1003	FTR	air filter	PANT	OR			1	Each	HV 424
1004	FTR	air filter	PANT	OR			1	Each	HV 425
1005	FTR	air filter	PANT	OR			1	Each	HV 426
1006	FTR	air filter	PANT	OR			1	Each	HV 431
1007	FTR	air filter	PANT	OR			1	Each	HV 432
1008	FTR	air filter	PANT	OR			1	Each	HV 433
1009	FTR	air filter	PANT	OR			1	Each	HV 434
1010	FTR	air filter	PANT	OR			1	Each	HV 302
1011	FTR	air filter	PANT	OR			1	Each	HV 301
1012	FTR	air filter	PANT	OR			1	Each	HV 303
1013	FTR	air filter	PANT	OR			1	Each	AC 402
1014	FTR	air filter	PANT	OR			1	Each	AC 403
1015	FTR	air filter	PANT	OR			1	Each	AC 411
1016	FTR	air filter	PANT	OR			1	Each	AC 412
1017	FTR	air filter	PANT	OR			1	Each	AC 414
1018	FTR	air filter	PANT	OR			1	Each	AC 431
1019	FTR	air filter	PANT	OR			1	Each	AC 432
1020	FTR	air filter	PANT	OR			1	Each	AC 433
1021	FTR	air filter	PANT	OR			1	Each	AC 434
4551	FTR	water	PANT	03	B	0.9	2	Each	
5032	FTR	air filter	PANT	02	N-P	6.3	1	Each	bag filters
5164	FTR	water	PANT	02	J	7	2	Each	
5299	FTR	air filter	PANT	01	H	6	1	Each	
5320	FTR	exhaust	PANT	01	M	7	4	Each	
5473	FTR	air filter	PANT	OR	K	7	1	Each	Penthouse - ASH Clean Room
5480	FTR	air filter	PANT	OR	J	7	1	Each	Penthouse - ASH Mod #2 Tack-off
5481	FTR	air filter	PANT	OR	J	6	1	Each	Penthouse - ASH Mod #1 Tack-off
5488	FTR	air filter	PANT	OR	J	5	1	Each	Penthouse - ASH Mid#3 Tack-off
5489	FTR	air filter	PANT	OR	J	5	1	Each	Penthouse - ASH Mod #4 Tack-off
5491	FTR	air filter	PANT	OR	H	5	1	Each	Penthouse - ASH Mod #4 Basecoat
5492	FTR	air filter	PANT	OR	H	5	1	Each	Penthouse - ASH Mod #3 Basecoat

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5494	FTR	air filter	PANT	OR	H	6	1	Each	Penthouse - ASH Mod #3 Basecoat
5495	FTR	air filter	PANT	OR	H	6	1	Each	Penthouse - ASH Mod #1 Basecoat
5496	FTR	air filter	PANT	OR	H	6	1	Each	Penthouse - Mod #1 heated flash-off zone 1
5501	FTR	air filter	PANT	OR	G	6	1	Each	Penthouse - Mod #1 heated flash-off zone # 2
5502	FTR	air filter	PANT	OR	G	6	1	Each	Penthouse - Mod # 2 heated flash-off zone #2
5503	FTR	air filter	PANT	OR	G	6	1	Each	Penthouse - Mod #1 heated flash-off zone #1
7063	FTR	air filter	PANT	01	J	7.5	2	Each	paint mix room
7069	FTR	paint filter	PANT	01	J	7.1	56	Each	paint mix room
7070	FTR	paint filter	PANT	01	K	7.1	48	Each	paint mix room
7071	FTR	paint filter	PANT	01	H	7.1	16	Each	paint mix room
7135	FTR	water	PANT	01	F	4	1	Each	
7137	FTR	water	PANT	01	F	5	6	Each	
7398	FTR	air filter	PANT	OM	G	4	4	Each	Topcaot #3
7401	FTR	air filter	PANT	OM	J	3	4	Each	clearcoat #1
7421	FTR	exhaust	PANT	OR	H	3	1	Each	Penthouse - Tu-Tone sand ASH #1
7422	FTR	exhaust	PANT	OR	H	3	1	Each	Penthouse - Tu-tone sand ASH #2
7425	FTR	exhaust	PANT	OR	H	4	1	Each	Penthouse - ELPO sand ASH
7428	FTR	exhaust	PANT	OR	G	4	1	Each	Penthouse - Clearcoat ASH recirc, Mod #4
7430	FTR	exhaust	PANT	OR	G	4	1	Each	Penthouse - Clear coat recirc Mod #3
7435	FTR	exhaust	PANT	OR	F	4	1	Each	Penthouse - clearcoat recirc mod #4
7436	FTR	air filter	PANT	OR	F	5	1	Each	Penthouse - clearcoat fresh air mod#3
7439	FTR	exhaust	PANT	OR	D	4	1	Each	Penthouse - demask Mod #4
7440	FTR	exhaust	PANT	OR	D	4	1	Each	Penthouse - demask mod #3
7441	FTR	air filter	PANT	OR	G	5	1	Each	Penthouse - clearcoat freshair mod #2
7442	FTR	exhaust	PANT	OR	G	5	1	Each	Penthouse - clearcoat recirc mod #2
7443	FTR	air filter	PANT	OR	G	5	1	Each	Penthouse - clear coat fresh air md #1
7444	FTR	exhaust	PANT	OR	G	5	1	Each	Penthouse - clearcoat recirc mod #1
7447	FTR	exhaust	PANT	OR	D	5	1	Each	Penthouse - demask mod #1
7448	FTR	exhaust	PANT	OR	D	5	1	Each	Penthouse - demask mod #2
5176	INC	paint	PANT	02	AA	5	1	Each	Topcoat
5193	INC	paint	PANT	02	AA	5	1	Each	Topcoat
5207	INC	paint	PANT	02	AA	6	1	Each	Module #2 Topcoat
5476	INC	paint	PANT	OR	J	7	1	Each	Penthouse - Flash-off incinerator
7243	INC	paint	PANT	02	A	5	1	Each	Mod #1
7411	INC	paint	PANT	OR	G	3	1	Each	Penthouse - Clearcoat incinerator
1588	MCD	thermostat	PANT	OR			1	Each	PSI Substation
4539	MCD	thermostat	PANT	02	A	1.9	1	Each	
4789	MCD	thermostat	PANT	01	G	1.9	1	Each	ELPO mez- lab office
5416	MCD	thermostat	PANT	01	AE	2	1	Each	At column marked "Filter Storage Area"
5440	MCD	thermostat	PANT	01	M	6	2	Each	office
5469	MCD	thermometer	PANT	OR	K	7	2	Each	Penthouse - on TRANE unit
5474	MCD	thermometer	PANT	OR	K	7	3	Each	Penthouse - ASH Clean Room

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
5477	MCD	thermostat	PANT	OR	J	7	1	Each	Penthouse - on wall
7033	MCD	thermostat	PANT	01	G	7.5	1	Each	
7245	MCD	thermostat	PANT	02	A	1	1	Each	
7247	MCD	thermostat	PANT	02	AB	1	1	Each	
7251	MCD	thermostat	PANT	02	AD	1	1	Each	
4961	MED	biohazard pail	PANT	02	AE	3.3	1	Each	
7174	MED	biohazard pail	PANT	02	F	6	1	Each	
4771	MIS	carrier	PANT	01	E	1.9	1	Each	ELPO mez- heavy paint buildup
4788	MIS	laboratory chemicals	PANT	01	G	1.9	1	Each	ELPO mez- in lab
4792	MIS	flammable locker	PANT	01	G	0.9	1	Each	ELPO mez
4962	MIS	cleaning supplies	PANT	02	AE	3.3	8	Each	
5059	MIS	flammable locker	PANT	02		5	1	Each	Clearcoat # 3
5135	MIS	cleaning supplies	PANT	02	K	5	25	Each	
5145	MIS	flammable locker	PANT	02		6	2	Each	Clearcoat #1
5339	MIS	containers	PANT	01	P	4	16	Each	oily waste cans
5340	MIS	drum feeder	PANT	01	P	3.3	2	Each	Betaguard
5374	MIS	drum feeder	PANT	01	J	3.3	3	Each	p/n 9982217
5376	MIS	drum feeder	PANT	01	J	3.3	2	Each	p/n 9985563
5385	MIS	cleaning supplies	PANT	01	B	2	37	Each	various items
5401	MIS	maintenance crib	PANT	01	A	2	1	Each	locked crib
5433	MIS	cafeteria	PANT	01	N	5	1	Each	Paint Shop
6999	MIS	flammable locker	PANT	01	AD	5	1	Each	Mod #2 booth
7064	MIS	flammable locker	PANT	01	H	7.5	1	Each	paint mix room
7210	MIS	flammable locker	PANT	02	AC	6	1	Each	
7235	MIS	flammable locker	PANT	02	AD	4	1	Each	spot paint booth
7277	MIS	flammable locker	PANT	02	H	3.3	1	Each	
7308	MIS	flammable locker	PANT	02		5	1	Each	(topcoat #4)
7415	MIS	desorption heater	PANT	OR	E	4	1	Each	Penthouse
7423	MIS	flash off heater	PANT	OR	H	4	1	Each	Penthouse - #4 zone #2
7424	MIS	flash off heater	PANT	OR	J	4	1	Each	Penthouse - #4 Zone #2
7426	MIS	flash off heater	PANT	OR	H	4	1	Each	Penthouse - Mod #3 zone #2
7427	MIS	flash off heater	PANT	OR	H	5	1	Each	Penthouse - Zone #2
498	OFM	air line lubricator	PANT	OR			2	Each	ASH #1
505	OFM	air line lubricator	PANT	OR			2	Each	ASH #2
506	OFM	air line lubricator	PANT	OR			2	Each	ASH #3
507	OFM	air line lubricator	PANT	OR			2	Each	ASH #4
4532	OFM	gear box - over head door	PANT	02	A	0.9	1	Each	
4544	OFM	lift	PANT	03	B	0.9	6	Each	parts elevator
4547	OFM	oil reservoir	PANT	03	B	0.9	2	Each	parts elevator
4548	OFM	gear box - conveyor drive	PANT	03	B	0.9	2	Each	chain conveyor drive
4549	OFM	oil reservoir	PANT	03	B	0.9	2	Each	chain lubricator
4554	OFM	lift	PANT	03	E	3	6	Each	parts elevator

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
4555	OFM	gear box - conveyor drive	PANT	03	F	3	5	Each	roller Conveyor
4556	OFM	gear box - conveyor drive	PANT	03	J	3	3	Each	roller Conveyor
4565	OFM	gear box - conveyor drive	PANT	03	H	3	2	Each	Chain Conveyor
4566	OFM	oil reservoir	PANT	03	H	3	1	Each	conveyor Chain lubricator
4567	OFM	lift	PANT	03	H	3	2	Each	parts lift
4568	OFM	oil reservoir	PANT	03	H	3	1	Each	on parts elevator
4569	OFM	oil reservoir	PANT	03	L	1.9	1	Each	50 gal chain lubricator
4573	OFM	gear box - conveyor drive	PANT	03	M	3	3	Each	roller Conveyor
4574	OFM	oil reservoir	PANT	03	M	3	2	Each	oil lubricator
4584	OFM	lift	PANT	03	L	3	2	Each	on parts lift
4586	OFM	gear box	PANT	03	L	4	4	Each	on parts elevator
4601	OFM	gear box - conveyor drive	PANT	03	G	3	7	Each	roller conveyor
4603	OFM	gear box - conveyor drive	PANT	03	H	3	5	Each	roller conveyor
4607	OFM	gear box - conveyor drive	PANT	03	G	3	3	Each	roller conveyor
4608	OFM	lift	PANT	03	G	3	2	Each	parts elevator
4609	OFM	gear box	PANT	03	G	3	4	Each	on parts elevator
4614	OFM	oil reservoir	PANT	03	D	1.9	1	Each	30 gal grease lubricator
4618	OFM	gear box - conveyor drive	PANT	03	C	3	2	Each	roller conveyor
4700	OFM	gear box - conveyor drive	PANT	03	B	0.9	6	Each	roller conveyor
4703	OFM	oil reservoir	PANT	03	C	0.9	1	Each	30 gal grease lubricator
4710	OFM	oil reservoir	PANT	03	C	0.9	1	Each	30 gal grease lubricator
4711	OFM	oil reservoir	PANT	03	C	0.9	2	Each	Conveyor chain lubricator
4717	OFM	gear box - conveyor drive	PANT	03	C	0.9	3	Each	roller conveyor
4718	OFM	gear box - conveyor drive	PANT	03	D	0.9	2	Each	Chain Conveyor drive
4719	OFM	gear box - conveyor drive	PANT	03	D	0.9	3	Each	roller conveyor
4724	OFM	gear box - conveyor drive	PANT	03	E	0.9	3	Each	roller conveyor
4726	OFM	lift	PANT	03	G	0	1	Each	parts elevator
4727	OFM	gear box	PANT	03	G	0	4	Each	on parts elevator
4728	OFM	gear box - conveyor drive	PANT	03	F	0.9	3	Each	roller conveyor
4736	OFM	gear box - conveyor drive	PANT	03	H	0.9	1	Each	roller conveyor
4737	OFM	oil reservoir	PANT	03	H	0.9	1	Each	30 gal grease lubricator
4738	OFM	lift	PANT	03	H	09	1	Each	parts elevator
4739	OFM	gear box	PANT	03	H	09	4	Each	on parts elevator
4742	OFM	gear box - conveyor drive	PANT	03	H	1	1	Each	roller conveyor
4744	OFM	gear box - conveyor drive	PANT	04	M	0	7	Each	
4745	OFM	gear box	PANT	04	M	0	4	Each	on parts elevator
4752	OFM	gear box - conveyor drive	PANT	04	E	0	15	Each	on length of roller conveyor located on "O" line
4759	OFM	lift	PANT	01	B	1.9	1	Each	ELPO mez- parts elevator
4760	OFM	gear box	PANT	01	B	1.9	4	Each	ELPO mez- on parts elevator
4762	OFM	gear box - conveyor drive	PANT	01	B	1.9	2	Each	ELPO mez- on roller conveyor
4763	OFM	gear box - conveyor drive	PANT	01	C	1.9	2	Each	ELPO mez- on roller conveyor
4766	OFM	gear box - conveyor drive	PANT	01	C	1.9	5	Each	ELPO mez- on roller conveyor

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4768	OFM	lift	PANT	01	D	1.9	1	Each	ELPO mez- parts elevator
4801	OFM	oil reservoir	PANT	01	J	1.9	1	Each	ELPO mez - chain lubricator
4802	OFM	gear box - conveyor drive	PANT	01	J	0.9	7	Each	ELPO mez - on roller conveyor
4803	OFM	gear box	PANT	01	K	0.9	2	Each	ELPO mez - on roller conveyor
4804	OFM	gear box - conveyor drive	PANT	01	L	0.9	2	Each	ELPO mez - on roller conveyor
4806	OFM	gear box - conveyor drive	PANT	01	M	0.9	6	Each	ELPO mez - on roller conveyor
4811	OFM	robot	PANT	02	K	7	1	Each	Mez - Powder Booth
4812	OFM	robot	PANT	02	A	6	1	Each	Mez - # 3 Powder Booth
4820	OFM	robot	PANT	02	H	6	1	Each	Mez - # 5 powder booth
4823	OFM	robot	PANT	02	J	7	1	Each	Mez - # 6 powder booth
4831	OFM	robot	PANT	02	K	7	1	Each	Mez - # 4 powder booth
4979	OFM	gear box - conveyor drive	PANT	02	B	3.3	2	Each	conveyor 245
4981	OFM	oil reservoir	PANT	02	B	3.3	1	Each	conveyor 245chain lubricator
4982	OFM	gear box - conveyor drive	PANT	02	B	3.3	2	Each	conveyor 237
4985	OFM	oil reservoir	PANT	02	B	3.3	1	Each	conveyor 237 chain lubricator
4989	OFM	lift	PANT	02	E	2	1	Each	Genie man lift
5030	OFM	gear box - conveyor drive	PANT	02	N	6	2	Each	conveyor 214
5038	OFM	gear box - conveyor drive	PANT	02	M	5.5	2	Each	conveyor 215
5066	OFM	gear box - conveyor drive	PANT	02		5	2	Each	Conveyor 225
5075	OFM	robot	PANT	02	F	5	1	Each	Clearcoat Robot #C-4 Module #3
5077	OFM	robot	PANT	02	F	5	1	Each	Clearcoat Robot # C3 Mod #3
5078	OFM	robot	PANT	02	G	5	1	Each	Clearcoat Robot # C-2 Modnte #3
5079	OFM	robot	PANT	02	G	5	1	Each	Clearcoat Robot # C-1 mod #3
5081	OFM	robot	PANT	02	H	5	1	Each	Basecoat # B-8 module #3
5112	OFM	robot	PANT	02	H	5	1	Each	Basecoat # B-7 module #3
5113	OFM	robot	PANT	02	J	5	1	Each	Basecoat # B-6 module #3
5114	OFM	robot	PANT	02	J	5	1	Each	Basecoat # B-5 module #3
5130	OFM	robot	PANT	02	J	5	1	Each	Basecoat # B-4 module #3
5131	OFM	robot	PANT	02	J	5	1	Each	Basecoat Robot # B-3 Module #3
5132	OFM	robot	PANT	02	K	5	1	Each	Basecoat Robot # B-2 Module #3
5147	OFM	gear box - conveyor drive	PANT	02	C	6	2	Each	Conveyor 223
5150	OFM	robot	PANT	02		6	1	Each	Basecoat Robot # B-1 mod #1
5153	OFM	robot	PANT	02		6	1	Each	Basecoat Robot # B-6 Mod #1
5154	OFM	robot	PANT	02		6	1	Each	Basecoat # B-2 module #1
5155	OFM	robot	PANT	02		6	1	Each	Basecoat # B-3 module #1
5156	OFM	robot	PANT	02		6	1	Each	Basecoat # B-4 module #1
5157	OFM	robot	PANT	02		6	1	Each	Basecoat # B-5 module #1
5170	OFM	gear box - over head door	PANT	02	G	7	1	Each	
5171	OFM	elevator	PANT	02	E	7	1	Each	
5186	OFM	gear box - conveyor drive	PANT	02	AC	5	2	Each	Conveyor 230
5186	OFM	gear box - conveyor drive	PANT	02	AC	5	2	Each	Conveyor 230
5188	OFM	gear box - conveyor drive	PANT	02	AC	5	2	Each	Conveyor 229

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5194	OFM	oil reservoir	PANT	02	A	5	1	Each	50 gal chain lubricator
5228	OFM	gear box - conveyor drive	PANT	01	B	4	2	Each	Conveyor 233
5229	OFM	oil reservoir	PANT	01	B	4	1	Each	5 gal grease lubricator
5230	OFM	gear box - conveyor drive	PANT	01	A	4	2	Each	Conveyor 234
5231	OFM	oil reservoir	PANT	01	A	4	1	Each	30 gal grease lubricator
5234	OFM	gear box - conveyor drive	PANT	01	L	5	2	Each	Conveyor 232
5235	OFM	oil reservoir	PANT	01	C	4	1	Each	5 gal grease lubricator
5236	OFM	gear box - conveyor drive	PANT	01	C	4	2	Each	Conveyor 231
5239	OFM	gear box - conveyor drive	PANT	01	C	5	2	Each	Conveyor 243
5240	OFM	oil reservoir	PANT	01	C	4	1	Each	Conveyor 243 oil lubricator
5241	OFM	oil reservoir	PANT	01	C	4	1	Each	Trabon grease lubricator
5242	OFM	oil reservoir	PANT	01	D	4	1	Each	chain lubricator
5246	OFM	oil reservoir	PANT	01	D	5	1	Each	30 gal grease lubricator
5247	OFM	oil reservoir	PANT	01	E	4	1	Each	50 gal chain lubricator
5248	OFM	oil reservoir	PANT	01	E	4	2	Each	30 gal grease lubricators
5252	OFM	gear box - conveyor drive	PANT	01	D	5	2	Each	Conveyor 210
5253	OFM	gear box - conveyor drive	PANT	01	F	4	2	Each	Conveyor 203
5254	OFM	oil reservoir	PANT	01	F	4	1	Each	30 gal grease lubricator
5255	OFM	gear box - conveyor drive	PANT	01	F	4	2	Each	Conveyor 201
5256	OFM	oil reservoir	PANT	01	F	4	2	Each	30 gal grease lubricator
5258	OFM	gear box - conveyor drive	PANT	01	G	4	2	Each	Conveyor 202
5263	OFM	gear box - conveyor drive	PANT	01	AA	3	2	Each	Conveyor 236
5266	OFM	oil reservoir	PANT	01	AD	4	1	Each	30 gal grease lubricator
5268	OFM	gear box - conveyor drive	PANT	01	AE	4	2	Each	Conveyor 235
5282	OFM	oil reservoir	PANT	01	AE	4	1	Each	Conveyor chain lubricator
5305	OFM	robot	PANT	01	H	7	1	Each	Blackout Robot Collector Control Panel
5335	OFM	gear box - conveyor drive	PANT	01	P	4	2	Each	Conveyor 246
5338	OFM	gear box - conveyor drive	PANT	01	P	4	2	Each	Conveyor 247
5341	OFM	oil reservoir	PANT	01	P	3.3	2	Each	30 gal grease lubricator
5345	OFM	gear box - conveyor drive	PANT	01	M	3.3	2	Each	Conveyor 204
5348	OFM	gear box - conveyor drive	PANT	01	M	3.3	2	Each	Conveyor 205
5353	OFM	robot	PANT	01	L	3.3	1	Each	Sealer Robot North #2
5354	OFM	robot	PANT	01	L	3.3	1	Each	Sealer Robot North #3
5362	OFM	robot	PANT	01	K	3.3	1	Each	Sealer Robot North #1
5369	OFM	robot	PANT	01	K	4	1	Each	Sealer Robot South #3
5370	OFM	robot	PANT	01	K	4	1	Each	Sealer Robot South #1
5395	OFM	robot	PANT	01	AC	1	4	Each	controllers only on wall
5400	OFM	oil reservoir	PANT	01	AC	1	1	Each	50 gal chain lubricator
5452	OFM	gear box - conveyor drive	PANT	01	N	7	2	Each	Conveyor 206
5719	OFM	gear box - conveyor drive	PANT	02	AE	1	2	Each	Conveyor 240
5720	OFM	gear box - conveyor drive	PANT	02	N	3.3	2	Each	Conveyor 211
5724	OFM	lift	PANT	02	M	0.9	1	Each	parts elevator

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5725	OFM	lift	PANT	02	H	0.9	1	Each	parts elevator
6938	OFM	gear box - conveyor drive	PANT	01	N	6	2	Each	Conveyor Drive 207
6939	OFM	oil reservoir	PANT	01	N	6	2	Each	Conveyor 207 chain lubricator
7013	OFM	gear box - over head door	PANT	01	E	7	1	Each	
7025	OFM	oil reservoir	PANT	01	F	6	2	Each	GRACO grease lubricators loose on floor
7035	OFM	gear box - over head door	PANT	01	G	7.1	1	Each	walk through door
7039	OFM	gear box - over head door	PANT	01	G	7.5	1	Each	
7041	OFM	elevator	PANT	01	G	7.5	1	Each	Hydraulic personnel/equipment elevator
7072	OFM	compactor	PANT	01	G	7.5	1	Each	Trash
7085	OFM	gear box - conveyor drive	PANT	01	M	4	2	Each	conveyor #261drive
7086	OFM	oil reservoir	PANT	01	M	4	2	Each	conveyor 261 chain lubricator
7088	OFM	oil reservoir	PANT	01	L	4	2	Each	Conveyor 222 chain lubricator
7089	OFM	gear box - conveyor drive	PANT	01	L	4	2	Each	Conveyor # 222 drives
7092	OFM	oil reservoir	PANT	01	L	5	2	Each	Conveyor #261 chain lubricator
7094	OFM	gear box - conveyor drive	PANT	01	L	5	2	Each	Conveyor #221 drive
7095	OFM	oil reservoir	PANT	01	L	5	2	Each	Conveyor #221 chain lubricator
7097	OFM	gear box - conveyor drive	PANT	01	L	5	2	Each	Conveyor #220 drive
7098	OFM	oil reservoir	PANT	01	L	5	2	Each	Conveyor #220 chain lubricator
7099	OFM	oil reservoir	PANT	01	L	5	1	Each	Conveyor 220 30 gal grease lubricator
7100	OFM	gear box - conveyor drive	PANT	01	L	6	2	Each	Conveyor #218 drives
7101	OFM	oil reservoir	PANT	01	L	6	2	Each	Conveyor #218 drive
7104	OFM	hydraulic pump	PANT	01	J	5	1	Each	200 gal reservoir
7108	OFM	gear box	PANT	01	H	4	4	Each	pumps
7178	OFM	gear box	PANT	02	F	6	2	Each	blower motor
7191	OFM	robot	PANT	02	B	6	2	Each	Paint teaching robot #1, Robot #2
7204	OFM	gear box - conveyor drive	PANT	02	AB	6	2	Each	Conveyor #208 drives
7205	OFM	oil reservoir	PANT	02	AB	6	2	Each	Conveyor 208 chain lubricator
7209	OFM	gear box - over head door	PANT	02	AC	7	1	Each	
7252	OFM	oil reservoir	PANT	02	AE	1	2	Each	Conveyor 240 chain lubricator
7260	OFM	gear box - conveyor drive	PANT	02	AE	3.3	2	Each	Conveyor 239 drive
7261	OFM	oil reservoir	PANT	02	AE	3.3	1	Each	Conveyor 239 chain lubricator
7263	OFM	gear box	PANT	02	AE	3.3	1	Each	blower
7267	OFM	gear box	PANT	02	AC	3.3	1	Each	Inspect/finesse polish deck
7269	OFM	gear box - conveyor drive	PANT	02	B	3.3	2	Each	Conveyor 238 drive
7270	OFM	oil reservoir	PANT	02	B	3.3	1	Each	Conveyor 238 chain lubricator
7272	OFM	gear box - conveyor drive	PANT	02	B	3.3	2	Each	Conveyor 209 drive
7273	OFM	oil reservoir	PANT	02	B	3.3	2	Each	Conveyor 209 chain lubricator
7284	OFM	oil reservoir	PANT	02	M	3.3	3	Each	30 gal grease lubricators
7286	OFM	gear box - conveyor drive	PANT	02	M	3.3	2	Each	Conveyor 2.2 drive
7287	OFM	oil reservoir	PANT	02	M	3.3	2	Each	Conveyor 212 chain lubricator
7288	OFM	gear box - conveyor drive	PANT	02	N	3.3	2	Each	Conveyor 213 drive
7289	OFM	oil reservoir	PANT	02	N	3.3	2	Each	Conveyor 213 chain lubricator

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7290	OFM	gear box - conveyor drive	PANT	02	N	3.3	2	Each	Conveyor 211 chain lubricator
7299	OFM	gear box - conveyor drive	PANT	02	M	4	2	Each	Conveyor 218 drive
7300	OFM	oil reservoir	PANT	02	M	4	2	Each	Conveyor 218 chain lubricator
7319	OFM	robot	PANT	02		5	1	Each	# C3, s/n F-15869 clearcoat (#4)
7320	OFM	robot	PANT	02		5	1	Each	#C4 s/n F-15867 clearcoat (#4)
7321	OFM	robot	PANT	02		5	1	Each	#C2 s/n F-15866 clearcoat (#4)
7322	OFM	robot	PANT	02		5	1	Each	#C1 s/n F15868 clearcoat (#4)
7324	OFM	robot	PANT	02		5	1	Each	#B8 s/n F-20225 basecoat (#4)
7325	OFM	robot	PANT	02		5	1	Each	#B7 s/n F-20224 basecoat (#4)
7326	OFM	robot	PANT	02		5	1	Each	#B6 s/n F-15014 basecoat (#4)
7327	OFM	robot	PANT	02		5	1	Each	#B5 s/n F-15549 basecoat (#4)
7329	OFM	robot	PANT	02		5	1	Each	#B4 s/n F-15024 basecoat (#4)
7330	OFM	robot	PANT	02		5	1	Each	#B3 s/n F-15012 basecoat (#4)
7331	OFM	robot	PANT	02		5	1	Each	#B2 s/n F-15023 basecoat (#4)
7333	OFM	robot	PANT	02		5	1	Each	#B1 s/n F-15011 basecoat (#4)
7336	OFM	gear box - conveyor drive	PANT	02		5	2	Each	Conveyor 226 drive (topcoat #4)
7337	OFM	oil reservoir	PANT	02		5	1	Each	Conveyor 226 chain lubricator (topcoat #4)
7353	OFM	robot	PANT	02		7	1	Each	Mod #2 #C-4 s/n 15558 (clear coat)
7354	OFM	robot	PANT	02		7	1	Each	Mod #2 #C3 s/n 15556 (clear coat)
7355	OFM	robot	PANT	02		7	1	Each	Mod #2 #C2 s/n 15557 (clear coat)
7356	OFM	robot	PANT	02		7	1	Each	Mod #2 #c1 s/n 1555
7361	OFM	robot	PANT	02		7	1	Each	Mod #2 #B8 s/n F-20223 (basecoat)
7363	OFM	robot	PANT	02		7	1	Each	Mod #2 #B7 s/n F-20222 (basecoat)
7364	OFM	robot	PANT	02		7	1	Each	Mod #2 #B6 s/n F-14385 (basecoat)
7367	OFM	robot	PANT	02		7	1	Each	Mod #2 #B4 s/n F-14402 (basecoat)
7368	OFM	robot	PANT	02		7	1	Each	Mod #2 #B3 s/n F-14405 (basecoat)
7369	OFM	robot	PANT	02		7	1	Each	Mod #2 #B2 s/n F-14403 (basecoat)
7370	OFM	robot	PANT	02		7	1	Each	Mod #2 #B1 s/n F-14404 (basecoat)
7382	OFM	oil reservoir	PANT	02		7	2	Each	Conveyor 224 chain lubricator
7386	OFM	robot	PANT	02		6	1	Each	Mod #1 #C3 s/n F-15005 (clear coat)
7387	OFM	robot	PANT	02		6	1	Each	Mod #1 #C4 s/n 15004 (clearcoat robots)
7388	OFM	robot	PANT	02		6	1	Each	Mod #1 #C1 s/n 14399 (clearcoat)
7389	OFM	robot	PANT	02		6	1	Each	Mod #1 #B8 s/n F-20219
7390	OFM	robot	PANT	02		6	1	Each	Mod #1 #B7 s/n F-20218
7406	OFM	robot	PANT	OR	J	3	1	Each	Penthouse - loose on floor
4553	OVN	ovens	PANT	03	B	0.9	2	Each	drying
4557	OVN	ovens	PANT	03	H	3	1	Each	drying
4575	OVN	oven	PANT	03	L	3	1	Each	Heavy accumulation of material
4582	OVN	ovens	PANT	03	K	3	1	Each	Heavy accumulation of material
5172	OVN	ovens	PANT	02	B	5	1	Each	topcoat Radiant zone1
5173	OVN	ovens	PANT	02	B	5	1	Each	Topcoat Radiant Zone #2
5175	OVN	ovens	PANT	02	A	5	1	Each	Topcoat Radiant Zone #3

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5179	OVN	ovens	PANT	02	AA	5	1	Each	Topcoat Radiant Zone #4
5184	OVN	ovens	PANT	02	AC	5	1	Each	Module #4 Topcoat Radiant Zone #5
5189	OVN	ovens	PANT	02	AC	5	1	Each	Module #3 Topcoat Radiant Zone #5
5190	OVN	ovens	PANT	02	AB	5	1	Each	Module #3 Topcoat Radiant Zone #4
5195	OVN	ovens	PANT	02	A	5	1	Each	Module #3 Topcoat Radiant Zone #3
5197	OVN	ovens	PANT	02	B	5	1	Each	Module #3 Topcoat Radiant Zone #2
5202	OVN	ovens	PANT	02	B	5	1	Each	Module #3 Topcoat Radiant Zone #1
5204	OVN	ovens	PANT	02	B	6	1	Each	Module #2 Topcoat Radiant Zone #1
5205	OVN	ovens	PANT	02	B	6	1	Each	Module #2 Topcoat Radiant Zone #2
5206	OVN	ovens	PANT	02	A	6	1	Each	Module #2 Topcoat Radiant Zone #3
5208	OVN	ovens	PANT	02	AA	6	1	Each	Module #2 Topcoat Radiant Zone #4
5209	OVN	ovens	PANT	02	AB	6	1	Each	Module #2 Topcoat Radiant Zone #5
5304	OVN	ovens	PANT	01	H	7	1	Each	Transition oven
7113	OVN	ovens	PANT	01	H	5	1	Each	small oven for testing chemicals - paint house sludge system
7185	OVN	ovens	PANT	02	E	6	1	Each	powder booth radiant heat zone #2
7186	OVN	ovens	PANT	02	E	6	1	Each	Powder booth radiant heat zone #3
7187	OVN	ovens	PANT	02	D	6	1	Each	Powder booth fresh air heater
7189	OVN	ovens	PANT	02	D	6	1	Each	Powder booth radiant heat zone #4
7194	OVN	ovens	PANT	02	B	6	1	Each	Powder booth radiant zone #5
7200	OVN	ovens	PANT	02	AA	6	1	Each	Powder booth radiant zone #6
7203	OVN	ovens	PANT	02	AB	6	1	Each	Powder booth radiant zone #7
5697	PAD	interior concrete pad	PANT	01	M	0.9	1	Each	32' x 24' heavy staining
5692	PIT	pit	PANT	01	F	4	1	Each	Sludge pit
7155	PIT	conveyor	PANT	01	P	3	1	Each	60' x 17' x 3'
1586	RAD	smoke detector	PANT	OR			6	Each	PSI Substation
1606	RAD	smoke detector	PANT	01			4	Each	ELPO Substation
978	ROF	roofing material	PANT	OR			1	Each	Roofing area over ovens
979	ROF	roofing material	PANT	OR			1	Each	Roofing area over new ELPO Oven Area
5233	SMP	sump	PANT	01	C	4	1	Each	4' x 4' x 4'
7162	SMP	sump	PANT	01	F	4	1	Each	12' x 6' x 7'
4770	TNK	other	PANT	01	D	1.9	1	Each	ELPO mez
4772	TNK	other	PANT	01	F	1.9	1	Each	ELPO mez
4778	TNK	caustic	PANT	01	G	1.9	1	Each	ELPO mez
4793	TNK	other	PANT	01	G	1.9	1	Each	ELPO mez
4797	TNK	permeate	PANT	01	H	1.9	3900	Gal	ELPO mez - # 5 permeate tank
4799	TNK	sealflush	PANT	01	H	1.9	300	Gal	ELPO mez
5200	TNK	other	PANT	02	B	5	1	100	Peelable mask
5297	TNK	carbon dioxide	PANT	01	C	7	1	20000	Located outside Paint Mix area
5300	TNK	carbon dioxide	PANT	01	H	7	2	Each	Kaeser
5321	TNK	powder	PANT	01	M	7	1	Each	Mixing tanks
7024	TNK	other	PANT	01	F	6	8	Each	sealer (on crates)
7026	TNK	other	PANT	01	G	8	15	Each	550 gal N.O.S.

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
7038	TNK	water	PANT	01	G	7.5	1	Each	10 gal water
7055	TNK	solvent	PANT	01	H	8	2000	Gal	paint mix room
7056	TNK	solvent	PANT	01	H	8	1	Each	30 gal - paint mix room
7057	TNK	other	PANT	01	H	8	1000	Gal	solvent waste - paint mix room
7059	TNK	other	PANT	01	J	8	400	Gal	purge solvent - paint mix room
7060	TNK	water	PANT	01	J	8	1000	Gal	R/O water - paint mix room
7062	TNK	other	PANT	01	K	7.5	1	Each	unknown - paint mix room
7065	TNK	other	PANT	01	L	7.5	20	Gal	paint mix room
7066	TNK	paint	PANT	01	H	7.1	6	Each	50 gal spray paint - paint mix room
7109	TNK	other	PANT	01	H	4	4	Each	unknown - paint house sludge system
7110	TNK	other	PANT	01	H	5	2	Each	polymer solids - paint house sludge system
7115	TNK	other	PANT	01	H	5	2	Each	Palen skimmers - sludge -
7116	TNK	other	PANT	01	H	5	2	Each	2000 gal sludge filled
7120	TNK	eliminator	PANT	01	K	5	1	Each	Mod #1 base coat
7121	TNK	eliminator	PANT	01	K	5	1	Each	Mod #2 base coat
7122	TNK	eliminator	PANT	01	K	4	1	Each	Mod #3 base coat
7123	TNK	eliminator	PANT	01	K	4	1	Each	Mod #4 base coat
7126	TNK	eliminator	PANT	01	G	4	1	Each	Mod #4 clear coat
7127	TNK	eliminator	PANT	01	G	4	1	Each	Mod #3 clear coat
7128	TNK	eliminator	PANT	01	G	5	1	Each	Mod #2 clear coat
7129	TNK	eliminator	PANT	01	G	5	1	Each	Mod #1 clear coat
7130	TNK	water	PANT	01	F	4	8662	Gal	soft water
7136	TNK	water	PANT	01	F	5	750	Gal	R/O water
7139	TNK	other	PANT	01	F	6	250	Gal	P3 baffle coating
7140	TNK	other	PANT	01	F	6	2	Each	330 gal clear masking 2484
7144	TNK	eliminator	PANT	01	F	4	1	Each	#1 mist
7145	TNK	eliminator	PANT	01	F	4	1	Each	#2 mist
7146	TNK	eliminator	PANT	01	F	5	1	Each	#3 mist
7147	TNK	eliminator	PANT	01	F	5	1	Each	#4 mist
7229	TNK	other	PANT	02	AE	4	30	Gal	gun washer - flammable
7231	TNK	other	PANT	02	AE	5	30	Gal	gun washer - flammable
7232	TNK	other	PANT	02	AE	6	30	Gal	gun washer - flammable
7276	TNK	other	PANT	02	H	3.3	1	Each	gun washer - flammable
7309	TNK	other	PANT	02		5	250	Gal	flammable (topcoat #4)
7350	TNK	other	PANT	02		7	250	Gal	Flammable
1589	TRA	dry	PANT	OR			1	Each	PSI Substation - PSI-B - GE Class AA
1590	TRA	dry	PANT	OR			1	Each	PSI Substation - PSI-C - GE Class AA
1591	TRA	dry	PANT	OR			1	Each	PSI Substation - PSI-D - GE Class AA
1592	TRA	dry	PANT	OR			1	Each	PSI Substation - PSI-E - GE Class AA
1593	TRA	dry	PANT	OR			1	Each	PSI Substation - PSI-F - GE Class AA
1594	TRA	dry	PANT	OR			1	Each	PSI Substation - PSI-G - GE Class AA
1595	TRA	dry	PANT	OR			1	Each	PSI Substation - PSI-H - GE Class AA

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1596	TRA	dry	PANT	OR			1	Each	PSI Substation - PSI-J - GE Class AA
1597	TRA	dry	PANT	01			1	Each	ELPO Substation - PS2SP - GE Class AA
1598	TRA	dry	PANT	01			1	Each	ELPO Substation - PS2A - GE Class AA
1599	TRA	dry	PANT	01			1	Each	ELPO Substation - PS2D - GE Class AA
1600	TRA	dry	PANT	01			1	Each	ELPO Substation - PS2B - GE Class AA
1601	TRA	dry	PANT	01			1	Each	ELPO Substation - PS2C - GE Class AA
5695	TRN	trench	PANT	01	C-J	0	1	Each	292' x 3' x 2' sludge
5696	TRN	trench	PANT	01	D-N	0.9	1	Each	442' x 3' x 2' sludge
5728	TRN	trench	PANT	01	H	7.5	1	Each	100' x 2' x 3' sludge
7156	TRN	trench	PANT	01	P	3	1	Each	18' x 3.5' x 3'
7157	TRN	trench	PANT	01	L-P	3	1	Each	128' x 21' x 3'
7158	TRN	trench	PANT	01	J-L	3	1	Each	120' x 35' x 3'
7159	TRN	trench	PANT	01	G-J	3	1	Each	148' x 26' x 5'
7160	TRN	trench	PANT	01	F	4	1	Each	112' x 0.5' x 0.5' trench system
7161	TRN	trench	PANT	01	F	4	1	Each	15' x 4.5' x 5'
7761			PANT						
1082	BAT	emergency light	WWTP	01			4	Each	Throughout the floor
1111	BAT	emergency light	WWTP	02			1	Each	In transformer room
1112	BAT	emergency light	WWTP	02			8	Each	Throughout floor
1174	BAT	emergency light	WWTP	03			3	Each	throughout floor
1083	CAP	substation	WWTP	01			13	Each	In electrical room
1084	CAP	electrical control panel	WWTP	01			1	Each	Mounted on wall in electrical room (brown)
1175	CAP	substation	WWTP	03			1	Each	In electrical room
1198	CAP	electrical control panel	WWTP	01			2	Each	located on west wall of WTP Equipment Repair Building
1079	CFC	HVAC unit	WWTP	OR			36	LB	Trane model TSC060A HVAC
1080	CFC	HVAC unit	WWTP	OR			1	Each	Abandoned Trane HVAC unit not connected, most likely evacuated
1113	CFC	HVAC unit	WWTP	02			1	Each	Trane HVAC Mod SWUA-B304A - appears to be inactive
1114	CFC	freezer/cooler	WWTP	02			2	Each	In laboratory
1115	CFC	window/wall air conditioner	WWTP	02			4	Each	located in laboratory area/rest room
1116	CFC	drinking fountain	WWTP	02			1	Each	located in laboratory
1176	CFC	dehumidifier	WWTP	03			1	Each	Near air handler unit
1085	CNT	tote	WWTP	01			3	Each	Empty
1086	CNT	pail	WWTP	01			10	Gal	Concrete floor sealer
1087	CNT	bottles	WWTP	01			3	Gal	Motor oil
1088	CNT	pail	WWTP	01			5	Gal	Tribol
1120	CNT	drum	WWTP	02			55	Gal	Drum multigear lub
1121	CNT	pail	WWTP	02			25	Gal	Encore plastics - in laboratory
1122	CNT	drum	WWTP	02			55	Gal	unidentified materials
1123	CNT	drum	WWTP	02			3	Each	unknown drums of oil in centrifuge room
1197	CNT	pail	WWTP	03			5	Gal	oil - in WTP Equipment Repair Building
1201	CNT	drum	WWTP	01			55	Gal	Corrosive material in WTP Equipment Repair Building
1202	CNT	drum	WWTP	01			165	Gal	Drum SYNFILM GT-2200 in WTP Equipment Repair Building

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1131	CRA	overhead crane	WWTP	02			1	Each	1-Ton
1117	CRT	television	WWTP	02			1	Each	located in laboratory
1118	CRT	television	WWTP	02			1	Each	
1119	CRT	computer monitor	WWTP	02			2	Each	In laboratory
1089	CYL	compressed gas - oxygen	WWTP	01			1	Each	
1090	CYL	compressed gas - acetylene	WWTP	01			2	Each	
1199	CYL	compressed gas - acetylene	WWTP	01			1	Each	in WTP Equipment Repair Building
1200	CYL	compressed gas - oxygen	WWTP	01			1	Each	In WTP Equipment Repair Building
1091	FEX	20# CO2	WWTP	01			3	Each	
1124	FEX	20# CO2	WWTP	02			3	Each	throughout floor
1125	FEX	20# dry	WWTP	02			1	Each	
1126	FEX	20# CO2	WWTP	02			1	Each	in laboratory
1177	FEX	20# CO2	WWTP	03			1	Each	
1178	FEX	20# dry	WWTP	03			1	Each	
1203	FEX	20# water	WWTP	01			1	Each	WTP Equipment Repair Building
1204	FEX	20# CO2	WWTP	01			1	Each	In WTP Equipment Repair Building
1092	FTR	polymer	WWTP	01			2	Each	polymer filters
1093	FTR	press	WWTP	01			1	Each	Sperry cake press
1127	FTR	sand	WWTP	02			1	Each	57' x 6.5' x 6' 102991 sand filter - residue
1128	FTR	sand	WWTP	02			1	Each	57' s 6.5' x 6' 102992 sand filter - residue
1129	FTR	water	WWTP	02			2	Each	In laboratory
1179	LIT	high intensity lamp	WWTP	03			1	Each	Throughout floor
1180	LIT	4 ' 2 bulb 1 ballast	WWTP	03			1	Each	throughout building
1205	LIT	4 ' 2 bulb 1 ballast	WWTP	01			1	Each	Throughout WTP Equipment Repair Building
1094	MCD	thermostat	WWTP	01			7	Each	Throughout floor
1130	MCD	thermostat	WWTP	02			2	Each	in laboratory
1181	MCD	thermostat	WWTP	03			3	Each	in transformer room
1182	MCD	thermostat	WWTP	03			2	Each	In electrical room
1095	OFM	oil reservoir	WWTP	01			7	Each	air line lubricators
1096	OFM	gear box	WWTP	01			1	Each	on overhead door
1097	OFM	gear box	WWTP	01			1	Each	on overhead door in sludge room
1132	OFM	hydraulic pump	WWTP	02			3	Each	throughout floor
1133	OFM	gear box	WWTP	02			2	Each	DAF tanks
1134	OFM	gear box	WWTP	02			1	Each	Cooker mixer #1 tank
1135	OFM	gear box	WWTP	02			1	Each	Cooker mixer #2 tank
1136	OFM	gear box	WWTP	02			1	Each	Cooker mixer #3 tank
1137	OFM	gear box	WWTP	02			1	Each	Cooker #4 tank
1138	OFM	gear box	WWTP	02			1	Each	Float unit 102994
1139	OFM	gear box	WWTP	02			1	Each	Float unit 102993
1140	OFM	gear box	WWTP	02			3	Each	5152 Dayton tank
1141	OFM	gear box	WWTP	02			1	Each	waste mix tank 103001
1142	OFM	gear box	WWTP	02			1	Each	waste mix tank 103002

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1143	OFM	gear box	WWTP	02			1	Each	on floor
1144	OFM	oil reservoir	WWTP	02			4	Each	air line lubricators throughout floor
1145	OFM	gear box	WWTP	02			1	Each	recarb tank
1146	OFM	oil reservoir	WWTP	02			1	Each	air line lubricator on Sperry cake press
1147	OFM	hydraulic pump	WWTP	02			1	Each	Sperry cake press
1165	OFM	gear box	WWTP	02			1	Each	on #1 clarifier
1167	OFM	gear box	WWTP	02			1	Each	On #2 clarifier
1183	OFM	gear box	WWTP	03			1	Each	rotary strainer
1184	OFM	oil reservoir	WWTP	03			3	Each	air line lubricators
1185	RAD	smoke detector	WWTP	03			1	Each	Transformer room
1186	RAD	smoke detector	WWTP	03			1	Each	In electrical room
1081	ROF	roofing material	WWTP	OR			1	Each	Built up roof
1098	SMP	sump	WWTP	01			1	Each	5' x 10' x 10' - oily waste
1099	SMP	sump	WWTP	01			1	Each	2' rd x 3' - located in sludge room under cake press
1172	SMP	weir	WWTP	02			1	Each	14' x 8' x 6' north weir -sludge
1173	SMP	weir	WWTP	02			1	Each	14' x 12' x 6' south weir - sludge
1100	TNK	sodium hypochloride	WWTP	01			6000	Gal	102006 - residual materials
1101	TNK	chlorine	WWTP	01			6000	Gal	103005 - empty. Tank marked "not in use"
1102	TNK	sludge	WWTP	01			11500	Gal	Tank # T-1002 - resudual materials
1103	TNK	lime	WWTP	01			11500	Gal	Tank T-103 - residual materials
1104	TNK	other	WWTP	01			11500	Gal	Tank 102869 - marked "not in use" - empty
1105	TNK	sludge	WWTP	01			11500	Gal	Sludge tank T-1001 - residual materials only
1106	TNK	ferric	WWTP	01			8500	Gal	FE0002602 ferric tank - residual material only
1107	TNK	sodium hydroxide	WWTP	01			6500	Gal	Tank 102872 - residuals only
1148	TNK	ferrichloride	WWTP	02			5000	Gal	empty
1149	TNK	other	WWTP	02			2	Each	28' x 10' x 8' DAF Tanks - residue only
1150	TNK	other	WWTP	02			2500	Gal	102998 cooker mixer #1 tank - residual only
1151	TNK	other	WWTP	02			2500	Gal	102997 mixer #2 tank - residual only
1152	TNK	other	WWTP	02			40	Gal	102863 Empty
1153	TNK	other	WWTP	02			40	Gal	102861 empty
1154	TNK	other	WWTP	02			40	Gal	102860 - empty
1155	TNK	other	WWTP	02			40	Gal	102862 - empty
1156	TNK	other	WWTP	02			2500	Gal	FE0002581 cooker #3 tank - empty
1157	TNK	other	WWTP	02			2500	Gal	102858 cooker mixer #4 tank - empty
1158	TNK	other	WWTP	02			1000	Gal	102994 float unit - empty
1159	TNK	other	WWTP	02			1000	Gal	102993 float unit - empty
1160	TNK	water	WWTP	02			5000	Gal	water filter tank - full
1161	TNK	other	WWTP	02			5000	Each	5152 Dayton Tank - sludge
1162	TNK	other	WWTP	02			50000	LB	103001 waste mix tanks - residue
1163	TNK	other	WWTP	02			50000	Gal	10300 waste mix tanks - residue
1164	TNK	other	WWTP	02			1	Each	21' x 31' x 23' 102856 clarifier - residue sludge
1166	TNK	other	WWTP	02			1	Each	21' x 31' x 23' 102856 #2 clarifier - residue sludge

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Unit Number	IOI Area	IOI Item	Building	Floor	Location Bay	Location Column	Quantity	Units	Contents/Comments
1168	TNK	other	WWTP	02			1	Each	102864 recarb tank - sludge
1187	TNK	other	WWTP	03			1000	Gal	empty
1188	TNK	other	WWTP	03			100	Gal	residue
1189	TNK	other	WWTP	03			600	Gal	Chemical transfer tank - empty
1190	TNK	other	WWTP	03			600	Eachg	Sodium Hydroxide chemical transfer tank
1191	TNK	other	WWTP	03			600	Each	emulsion breakdown tank - empty
1192	TNK	other	WWTP	03			600	Gal	Alum tank - empty
1193	TNK	other	WWTP	03			600	Each	Flocculant tank - empty
1194	TNK	other	WWTP	03			600	Eachg	Defoamer tank - Bets Foam Trol 2144 - empty
1195	TRA	oil filled	WWTP	03			196	LB	102990 Westinghouse Y\Type RSL Silicone Power Transformer
1196	TRA	oil filled	WWTP	03			196	Eachg	102853 Westinghouse Type RSL Silicone Power Transformer
1108	TRN	trench	WWTP	01			1	Each	2' x 47' x 5' West trench - sludge
1109	TRN	trench	WWTP	01			1	Each	2' x 82' x 5' East trench system
1110	TRN	trench	WWTP	01			1	Each	in tunnel 2' x 2' x 80' - oily sludge
1169	TRN	slews way	WWTP	02			2	Each	1'rd x 57' empty
1170	TRN	trench	WWTP	02			1	Each	2.5' x 271' x 6' sand filter trench system - liquid
1171	TRN	trench	WWTP	02			1	Each	2.5' x 44' x 6' clarifier trench system - sludge
7773	TNK	tank	Tank Farm	01			15,000	Gal	15,000 gallon, unleaded gasoline
7774	TNK	tank	Tank Farm	01			15,000	Gal	15,000 gallon, unleaded gasoline
7775	TNK	tank	Tank Farm	01			15,000	Gal	15,000 gallon, empty
7776	TNK	tank	Tank Farm	01			15,000	Gal	15,000 gallon, automatic transmission fluid
7778	TNK	tank	Tank Farm	01			15,000	Gal	15,000 gallon, lube
7779	TNK	tank	Tank Farm	01			15,000	Gal	15,000 gallon, power steering fluid
7780	TNK	tank	Tank Farm	01			15,000	Gal	15,000 gallon, diesel fluid

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TABLE 2
INDUSTRIAL WASTE PUMP AND SUMP LIST

Pump	Simplex	Column			Sump Size	Pump	Area	Type of	Motor		
Number	Duplex	Location	GPM	Head	L X W X D	Number	Served	Pump	HP	Manufacturer	Model
P-12	Duplex	A-52	200	105	3x3x?	P-12	Final Paint	suction lift	15	Gorman Rupp	in pit
P-13	Duplex	A-52	200	105	3x3x?	P-13	Final Paint	suction lift	15	Gorman Rupp	in pit
						0					
P-14	Simplex		200	70		P-14			10		
P-15	Simplex	E-52	50	70	4x4x?	P-15		suction lift	5		
P-16	Simplex	D-33.5	100	70		P-16	Final Gas Fill	suction lift	7.5	Duplicate of Pump P-N	
P-17	Simplex	D-33	150	60		P-17	Final Gas Fill	suction lift	7.5	Duplicate of Pump P-N	
P-18			50	60		P-18			3		
P-19	Simplex	C-24?	100	40	(2) 20X6X1.5 TRENCH	P-19	RADIATOR FILL	DBL DIAPH	5	GRACO	
						0					
P-20	Duplex	C-6	200	60		P-20		suction lift	7.5	Demoed 1997	
P-21	Duplex	C-6	200	60		P-21		suction lift	7.5	Demoed 1997	
						0					
P-22	Simplex	A-9	50	45		P-22	Dock 11	submersible	3	Demoed 1999	
P-23	Simplex	L-51	50	40		P-23	Dock 12/compact	submersible	3		
P-24	Simplex	L-42	200	100	4X4X?	P-24	Body Shop	suction lift	20	Gorman Rupp	1152102 T3A60-B/F
						0					
P-25	Simplex	P-22	200	60		P-25	rail dock	submersible	6	Gorman Rupp	in pit
P-26	Simplex	P.5-19	50	50	38"X38"	P-26	Rail Dock	submersible	3		
P-27	Simplex	K-7	200	40		P-27		suction lift	5		
P-28	Simplex	R-1	50	30	4X4X6+16"X100'TRENCH	P-28	Plt 1-2 tunnel pit	suction lift	1.5		
						0					
P-29/29A	Duplex	N-1	1500	175		P-29/29A	Whole Plant	suction lift	200	Gorman Rupp	856089 T6A60-B
P-30/30A	Duplex	N-1	1500	175		P-30/30A	Whole Plant	suction lift	200	Gorman Rupp	Total of 4 pumps
P-32	Simplex	Plant 2	150	50		P-32	in tunnel	submersible	5		
P-33	Simplex	Plant 2	150	50		P-33	battery station	suction lift	5		
P-34	Duplex	D-59			58"X58"	P-34	North End	submersible	6	Gorman Rupp	inc Tank Farm
P-35	Duplex	D-59			same	P-35	North End	submersible	6	Gorman Rupp	Tire&Wheel
						0					
						0					
P-36	Duplex	Ab-2	100	50	5' diaX5'-8"	P-36	Truck Garage		5	Planned to be abandoned	
P-37	Duplex	Ab-2	100	50		P-37	Truck Garage		5	Planned to be abandoned	
						0					
P-38	Simplex	D-59	30	8		P-38	Con pit/car wash		0.33	Peerless	3U701-1D
P-39	Simplex	D-64	30	8	SUMP & PUMP UNDER SLAB	P-39	616 Conveyor		0.33	Peerless	3U701-1D
						0					
XX		AC-2.5				XX					
P-H		P-19									
		N-55			2' dia X 2'						
		P-52			DWF sump						
Pump	Simplex	Column	0	0	Sump Size	Pump	Area	Type of	Motor	0	0
Number	Duplex	Location	GPM	Head	L X W X D	Number	Served	Pump	HP	Manufacturer	Model
P-A		C-4			24" SAN MAN HOLE - NO CONN TO IW	P-A	New Painthouse				
P-B		AA-7			24" MAN HOLE W/ 4"VTR	P-B	Tank unload dock			Demoed 1999	
P-C		D-9				P-C	Final Line Pit				
P-D	Simplex	B-14			3' X 3' X 3'	P-D	Stacker Area	Suction Lift	10	Gorman Rupp	1056131 T3A3-B
P-I	Simplex	B-19			4' X 4' X ?	P-I	Cafeteria Bsm't	Suction Lift	10	Gorman Rupp	756384 T3A3-B
P-H		F-19			Trench	P-H	Carrier Wash-2nd				
P-J		B-24			42"X42"X?	P-J	Audit Room				
P-K		B-32			3'X3'X?	P-K	Exec Garage				
P-N	Simplex	D-34			Shallow Pit	P-N	Gas fill area pit	Suction Lift	7.5	Gorman Rupp	1148463 T3A60-B/F
P-M	Simplex	G-34			18"X18"X18"	P-M	Hemmer Pit				
P-L	Duplex	J-34			5X4X4	P-L	Body Wash			CRANE DEMING	DC900493 2-B
P-O	Duplex	B-38?			3X2X2	P-O	FEMR Shop				
P-P(P-40/P-41)	Duplex	D-39			18"X2'X?	P-P(P-40/P-41)	Final Line Pit				
		B-45				0	Dock 10				
P-T	Duplex	F-54				P-T	Frame Washer		15	KERR MAGH	SN: 37080E91 Model:10500
P-S	Duplex	F-53				P-S	511 Conv Pit		2 @ 15	Kerr	
		P-53				0	Rail Dock				
P-R		G-53				P-R	BS Maint Area				
P-U		E-63				P-U	T & W Pit				
P-F/P-G		N-19/M-19				P-F/P-G	Cond Room				
P-X		C-65			MAN HOLE OUTSIDE ON LEVEL GRADE	P-X	Car Wash				
P-W		E-65				P-W	T & W Dock				
LS-4	Simplex	AC-13		90	2' dia	LS-4	BS Add Dock				
IWP-1	Duplex	AE-63	650	125	8' X 8' X 7'	IWP-1	Mech rm Chiller		30		
IWP-2	Duplex	AE-63	650	125	8' X 8' X 7'	IWP-2	Mech rm Chiller		30		
LS-1	Simplex	AN-55		90	6' dia	LS-1	Truck Dock				

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TABLE 2
INDUSTRIAL WASTE PUMP AND SUMP LIST

Pump	Simplex	Column			Sump Size	Pump	Area	Type of	Motor		
LS-2	Simplex	AN-39		90	6' dia	LS-2	Truck Dock				
LS-3	Simplex	AN-38		90	6' dia	LS-3	Truck Dock				
LS-5	Simplex	AH-31		90	6' dia	LS-5	Truck Dock				
LS-6	Simplex	AA-31		90	6' dia	LS-6	Truck Dock				
		AF-57				0	Final Fluid Fill				
		G-65			SUMP IN TRUCK DOCK	0	TBD Conv Pits				
LS-7	Simplex	AC-8		90		LS-7					
IWP-3	Simplex	AE-49	30	30		IWP-3	G/A Office Elev		0.75		
CRU-336	Duplex	AF-46	75	115	95 gal	CRU-336	G/A AHU Cond		5		

Note: Information provided by GM

GENERAL MORTORS CORPORATION
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TABLE 3
TOTAL METALS AND POLYCHLORINATED BIPHENYLS RESULTS

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	SAMPLE ID	SAMPLE TYPE	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	TOTAL PCB
		Concentrations reported in:					mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	ug/kg
		Regulatory Crietira			Water/Waste Water	TCLP	5 mg/l	100 mg/l	1 mg/l	5 mg/l	5 mg/l	0.2 mg/l	1 mg/l	5 mg/l	1 mg/l
					Wipe	TSCA wipe									10 µg/wipe
					Solid	TCLP x 20	100 mg/kg	2000 mg/kg	20 mg/kg	100 mg/kg	100 mg/kg	4 mg/kg	20 mg/kg	100 mg/kg	1000 µg/kg
7767	OFM	gear box - conveyor drive	BODY	01	BODY-1-BLNK-F1-1203	Wipe									<1
7646			BODY	1	BODY-1-BLNK-F1-1204	Wipe									<1
2089	DRN	drain	BODY	01	BODY-1-DRN-F1-1030	Solid	13.20	672.00	4.39	**165.00**	**533.00**	0.09	<0.20	0.40	<330
7647			BODY	1	BODY-1-DUP-F1-1205	Wipe									<1
1791	FLR	concrete	BODY	01	BODY-1-FLR-F1-1026	Solid	3.03	60.60	<0.20	10.70	4.40	<0.050	<0.20	<0.10	<330
2236	FLR	concrete	BODY	01	BODY-1-FLR-F1-1033	Solid	2.81	130.00	<0.20	10.00	8.23	<0.050	<0.20	<0.10	<330
2478	FLR	concrete	BODY	01	BODY-1-FLR-F1-1034	Solid	3.00	59.50	<0.20	11.10	3.30	<0.050	<0.20	<0.10	<330
4340	FLR	concrete	BODY	01	BODY-1-FLR-F1-1049	Solid	2.34	52.40	<0.20	9.20	2.66	<0.050	<0.20	<0.10	<330
7653		concrete	BODY	1	BODY-1-FLR-F1-1210	Solid	2.06	43.00	<0.20	6.90	2.37	<0.050	<0.20	<0.10	<330
1541	OFM	gear box - conveyor drive	BODY	01	BODY-1-OFM-F1-1087	Wipe									<1
1925	OFM	robot	BODY	01	BODY-1-OFM-F1-1099	Wipe									<1
1981	OFM	robot	BODY	01	BODY-1-OFM-F1-1100	Wipe									<1
2267	OFM	robot	BODY	01	BODY-1-OFM-F1-1101	Wipe									<1
2407	OFM	robot	BODY	01	BODY-1-OFM-F1-1102	Wipe									<1
2497	OFM	robot	BODY	01	BODY-1-OFM-F1-1103	Wipe									<1
2598	OFM	robot	BODY	01	BODY-1-OFM-F1-1104	Wipe									<1
2638	OFM	robot	BODY	01	BODY-1-OFM-F1-1105	Wipe									<1
2678	OFM	robot	BODY	01	BODY-1-OFM-F1-1106	Wipe									<1
4267	OFM	robot	BODY	01	BODY-1-OFM-F1-1107	Wipe									<1
4313	OFM	robot	BODY	01	BODY-1-OFM-F1-1108	Wipe									<1
5698	OFM	robot	BODY	01	BODY-1-OFM-F1-1109	Wipe									<1
5699	OFM	robot	BODY	01	BODY-1-OFM-F1-1110	Wipe									<1
5701	OFM	robot	BODY	2742	BODY-1-OFM-F1-1111	Wipe									<1
5703	OFM	robot	BODY	01	BODY-1-OFM-F1-1112	Wipe									<1
5704	OFM	robot	BODY	01	BODY-1-OFM-F1-1113	Wipe									<1
5705	OFM	robot	BODY	01	BODY-1-OFM-F1-1114	Wipe									<1
5711	OFM	robot	BODY	01	BODY-1-OFM-F1-1115	Wipe									<1
5707	OFM	robot	BODY	1	BODY-1-OFM-F1-1116	Wipe									<1
5710	OFM	robot	BODY	01	BODY-1-OFM-F1-1117	Wipe									<1
3973	OFM	gear box - conveyor drive	BODY	01	BODY-1-OFM-F1-1120	Wipe									<1
1775	OFM	mill	BODY	01	BODY-1-OFM-F1-1125	Wipe									<1
1780	OFM	lathe	BODY	01	BODY-1-OFM-F1-1126	Wipe									<1
2000	OFM	hydraulic pump	BODY	01	BODY-1-OFM-F1-1134	Oil									<1000
2020	OFM	hydraulic pump	BODY	01	BODY-1-OFM-F1-1135	Oil									<1000
4508	PIT	pit	BODY	01	BODY-1-PIT-F1-1057	Solid	1.13	26.70	0.53	28.10	32.10	<0.050	<0.20	0.23	<1000
7648		Pit	BODY	1	BODY-1-PIT-F1-1206	Sludge	1.59	497.00	0.73	33.30	39.80	<0.050	<0.20	1.53	<1000
7651		concret	BODY	1	BODY-1-RRT-F1-1208	Solid	0.97	96.70	0.38	12.60	28.40	<0.050	<0.20	<0.10	<1000
4371	SMP	sump	BODY	01	BODY-1-SMP-F1-1050	Solid	0.40	113.00	<0.20	29.90	26.60	<0.050	<0.20	0.34	<1000
2254	SMP	sump	BODY	01	BODY-1-SMP-F1-1166	Sludge	0.79	75.50	0.86	16.70	46.50	0.76	<0.20	0.10	<1000
7645	Body 1st	L	BODY	1	BODY-1-SMP-F1-1193	Water	<0.001	0.10	<0.0005	<0.005	<0.003	<0.0002	<0.005	<0.0005	<0.1
7652		sump	Body	1	BODY-1-SMP-F1-1209	Solid	6.57	901.00	9.26	**137.00**	**442.00**	0.56	0.26	3.44	<330
6404	TRN	trench	BODY	01	BODY-1-TRN-F1-1172	Solid	1.56	89.50	1.65	65.90	22.40	0.08	<0.20	0.10	<1000
4524	TRN	trench	BODY	01	BODY-1-TRN-F1-1180	Solid	1.04	31.20	0.55	31.60	**156.00**	<0.050	<0.20	0.16	<330
4507	TRN	trench	BODY	01	BODY-1-TRN-F1-1186	Solid	1.45	37.60	1.00	34.80	33.40	0.06	<0.20	0.36	<1000
7759	BLANK		BODY	2	BODY-2-BLNK-F1-1216	Wipe									<1
7760	DRILL		BODY	2	BODY-2-DRL-F1-1217	Wipe									<1
5554	DRN	drain	BODY	02	BODY-2-DRN-F1-1069	Sludge	1.85	**2820.00**	4.11	68.20	**258.00**	0.05	<0.20	0.29	<330
5555	DUC	exhaust	BODY	02	BODY-2-DUC-F1-1070	Solid	3.11	**5630.00**	13.60	**500.00**	**4000.00**	0.40	0.33	1.02	<1000
5719	FLR	concrete	BODY	02	BODY-2-FLR-F1-1068	Wipe									<1
5681	MIS	carrier	BODY	02	BODY-2-MIS-F1-1071	Wipe									<1
5716	OFM	gear box - conveyor drive	BODY	01	BODY-2-OFM-F1-1090	Wipe									<1
5717	OFM	gear box - conveyor drive	BODY	02	BODY-2-OFM-F1-1091	Oil									<1000
5718	OFM	gear box - conveyor drive	BODY	2	BODY-2-OFM-F1-1092	Oil									<1000
7758	OFM		BODY	2	BODY-2-OFM-F1-1215	Wipe									<1
5770	FLR	debris	BODY	03	BODY-3-FLR-F1-1138	Solid	2.25	97.10	0.57	**500.00**	**603.00**	0.07	<0.20	0.46	<1000

Notes:

1) Bold highlighted text exceed regulatory levels.

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TABLE 3
TOTAL METALS AND POLYCHLORINATED BIPHENYLS RESULTS

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	SAMPLE ID	SAMPLE TYPE	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	TOTAL PCB
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		Regulatory Crietira			Water/Waste Water	TCLP	5 mg/l	100 mg/l	1 mg/l	5 mg/l	5 mg/l	0.2 mg/l	1 mg/l	5 mg/l	1 mg/l
					Wipe	TSCA wipe									10 µg/wipe
					Solid	TCLP x 20	100 mg/kg	2000 mg/kg	20 mg/kg	100 mg/kg	100 mg/kg	4 mg/kg	20 mg/kg	100 mg/kg	1000 µg/kg
5740	ROF	roofing material	BODY	03	BODY-3-ROF-F1-1137	Sludge	40.10	255.00	1.67	24.20	**120.00**	0.07	0.44	0.63	<1000
7757	Body - 3rd	J	BODY	3	BODY-3-ROF-F1-1195	Sludge	6.85	297.00	1.82	**301.00**	**989.00**	<0.050	<0.20	0.10	<1000
4426	CTN	coated concrete	BODY	OB	BODY-B-CTN-F1-1053	Solid	2.50	42.60	<0.20	8.70	3.32	<0.050	<0.20	0.12	<330
7656	FLR	concrete	BODY		BODY-B-DUP-F1-1213	Solid	2.68	56.30	<0.20	12.00	3.51	<0.050	<0.20	<0.10	<330
4433	FLR	concrete	BODY	OB	BODY-B-FLR-F1-1055	Solid	0.85	299.00	0.37	64.50	33.00	0.07	<0.20	0.23	<1000
7655	FLR	concrete	BODY		BODY-B-FLR-F1-1212	Solid	2.47	51.50	<0.20	10.60	3.01	<0.050	<0.20	<0.10	<330
980	PIT	pit	BODY	OB	BODY-B-PIT-F1-1052	Sludge	0.91	38.20	0.21	14.50	16.60	<0.050	<0.20	<0.10	<1000
4428	PIT	pit	BODY	OB	BODY-B-PIT-F1-1054	Wastewater	<0.001	0.02	<0.0005	<0.005	<0.003	<0.0002	<0.005	<0.0005	<0.1
4672	SMP	sump	BODY	OB	BODY-B-PIT-F1-1059	Sludge	1.26	55.30	0.43	42.80	15.00	<0.050	<0.20	0.15	<1000
4675	SMP	sump	BODY	OB	BODY-B-SMP-F1-1060	Solid	1.37	71.10	9.35	36.00	**328.00**	0.75	<0.20	2.11	<1000
2659	OFM	robot	BODY	01	BODY-B-SMP-F1-1143	Solid	32.10	**3680.00**	**83.48**	57.70	**501.00**	**7.86**	4.47	2.75	800.00
4676	SMP	sump	BODY	OB	BODY-B-SMP-F1-1163	Solid	53.40	981.00	**339.20**	97.80	**3090.00**	**13.92**	11.20	1.69	**1000.00**
4458	SMP	sump	BODY	OB	BODY-B-Sump-F1-1056	Sludge	4.38	105.00	8.45	22.30	**213.00**	0.31	<0.20	0.52	<1000
4476	SMP	sump	BODY	OB	BODY-B-Sump-F1-1145	Sludge	3.07	65.90	7.32	51.90	**211.00**	0.74	<0.20	0.71	<1000
4678	TRN	trench	BODY	OB	BODY-B-TRN-F1-1061	Solid	6.85	649.00	**69.00**	**173.00**	**879.00**	**5.74**	0.96	0.44	<1000
4384	WAL	oil stained	BODY	OB	BODY-B-WAL-F1-1051	Solid	1.70	999.00	1.87	**458.00**	**605.00**	<0.050	<0.20	<0.10	<1000
7654			BODY	b	BODY-B-WAL-F1-1211	Solid	2.30	36.30	<0.20	6.00	3.01	<0.050	<0.20	<0.10	<330
5688	DUS	truss	BODY	OM	BODY-M-DUS-F1-1072	Solid	4.93	492.00	7.71	**271.00**	**760.00**	0.17	0.64	0.18	<1000
5690	DUS	truss	BODY	OM	BODY-M-DUS-F1-1073	Solid	0.87	377.00	<0.20	30.30	1.87	<0.050	<0.20	<0.10	<330
5712	OFM	gear box - over head door	BODY	OM	BODY-M-OFM-F1-1088	Wipe									<1
5715	OFM	gear box - conveyor drive	BODY	OM	BODY-M-OFM-F1-1089	Wipe									<1
2086	OFM	gear box - conveyor drive	BODY	01	BODY-M-OFM-F1-1127	Wipe									<1
5721	CRT	control panel CRT	BODY	01	BODY-M-OFM-F1-1128	Wipe									<1
5722	OFM	lift	BODY	01	BODY-M-OFM-F1-1129	Wipe									<1
5723	OFM	lift	BODY	01	BODY-M-OFM-F1-1130	Wipe									<1
980	OFM	robot	BODY	01	BODY-R-ROF-F1-1014	Solid	0.18	2.90	<0.20	<1.0	1.61	<0.050	<0.20	<0.10	<1000
2030	WAL	brick/block	BODY		BODY-1-WAL-F1-2008	Solid	3.47	51.80	<.20	6.00	1.48	<0.05	<.20	<.10	<330
2031	WAL	brick/block	BODY		BODY-1-WAL-F1-2009	Solid	3.53	34.60	<.20	6.90	12.20	<0.05	<.20	<.10	<330
2032	WAL	brick/block	BODY		BODY-1-WAL-F1-2010	Solid	2.34	113.00	<.20	22.50	3.04	<0.05	0.26	<.10	<330
2033	WAL	brick/block	BODY		BODY-1-WAL-F1-2011	Solid	2.57	35.30	<.20	4.40	32.20	0.19	<.20	<.10	<330
2034	WAL	brick/block	BODY		BODY-1-WAL-F1-2012	Solid	1.82	59.10	<.20	10.10	50.30	<0.05	<.20	<.10	<330
2035	WAL	brick/block	BODY		BODY-1-WAL-F1-2013	Solid	3.39	32.00	<.20	5.60	4.82	<0.05	<.20	<.10	<330
2036	WAL	brick/block	BODY		BODY-1-WAL-F1-2014	Solid	3.56	29.90	<.20	6.60	6.38	<0.05	<.20	<.10	<330
2037	WAL	brick/block	BODY		BODY-1-WAL-F1-2015	Solid	3.84	29.80	<.20	5.40	22.10	<0.05	<.20	<.10	<330
2044	WAL	brick/block	BODY		BODY-2-WAL-F1-2022	Solid	3.92	69.10	0.27	7.60	13.80	<0.05	<.20	<.10	<330
2045	WAL	brick/block	BODY		BODY-1-WAL-F1-2023	Solid	2.31	41.90	<.20	7.00	2.11	<0.05	<.20	<.10	<330
7765			ccmp	1	CCMP-1-BLNK-F1-1223	Wipe									<1
7764			ccmp		CCMP-1-FLR-F1-1221	Solid	2.42	35.90	0.51	11.70	3.68	<0.050	<0.20	2.06	<330
4931	FTR	paint filter	ELPO	01	PANT-1-FTR-F1-1066	Solid					**950.00**				
3865	FEX	20# water	GENA	01	BODY-1-SMP-F1-1161	Solid	3.12	188.00	3.08	91.10	**518.00**	<0.050	<0.20	0.36	<1000
7643		Oil Resevior	GENA	1	GENA-1-BLNK-F1-1201	Wipe									<1
7650		concrete	GENA	1	GENA-1-DRL-F1-1207	Wipe									<1
7644			GENA	1	GENA-1-DUP-F1-1202	Wipe-DUP									<1
1398	OFM	gear box	GENA	OM	GENA-1-OFM-F1-1118	Wipe									<1
1403	CFC	electrical control cabinet air	GENA	OM	GENA-1-OFM-F1-1119	Wipe									<1
3471	OFM	gear box	GENA	01	GENA-1-OFM-F1-1121	Wipe									<1
3343	OFM	gear box	GENA	01	GENA-1-OFM-F1-1122	Wipe									<1
1734	OFM	gear box - conveyor drive	GENA	OM	GENA-1-OFM-F1-1123	Wipe									<1
1736	OFM	gear box - conveyor drive	GENA	OM	GENA-1-OFM-F1-1124	Wipe									<1
7649		Oil Resevior	GENA		GENA-1-OFM-F1-1200	Oil									<1000
2913	DUC	vent	GENA	01	GENA-1-PIT-F1-1040	Solid	4.70	386.00	2.69	**127.00**	**160.00**	0.12	1.32	1.28	<1000
2943	PIT	pit	GENA	01	GENA-1-PIT-F1-1042	Solid	0.67	200.00	0.54	35.10	15.90	<0.050	<0.20	<0.10	<1000
2965	PIT	conveyor	GENA	01	GENA-1-PIT-F1-1044	Sludge	0.15	3.50	<0.20	2.90	2.09	<0.050	<0.20	<0.10	<1000
2965	PIT	conveyor	GENA	01	GENA-1-PIT-F1-1044	Solid	2.57	47.80	<0.20	9.70	2.55	<0.050	<0.20	<0.10	<330
2937	PIT	conveyor	GENA	01	GENA-1-SMP-F1-1041	Solid	5.79	290.00	3.15	**148.00**	**106.00**	0.11	0.87	0.74	<1000

Notes:

1) Bold highlighted text exceed regulatory levels.

GENERAL MORTORS CORPORATION
Moraine Assembly
Moraine, Ohio
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3
TOTAL METALS AND POLYCHLORINATED BIPHENYLS RESULTS

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	SAMPLE ID	SAMPLE TYPE	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	TOTAL PCB
		Concentrations reported in:					mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	ug/kg
		Regulatory Crietira			Water/Waste Water	TCLP	5 mg/l	100 mg/l	1 mg/l	5 mg/l	5 mg/l	0.2 mg/l	1 mg/l	5 mg/l	1 mg/l
					Wipe	TSCA wipe									10 µg/wipe
					Solid	TCLP x 20	100 mg/kg	2000 mg/kg	20 mg/kg	100 mg/kg	100 mg/kg	4 mg/kg	20 mg/kg	100 mg/kg	1000 µg/kg
2947	SMP	sump inside a pit	GENA	01	GENA-1-SMP-F1-1043	Sludge	0.70	66.40	0.64	92.60	34.90	<0.050	<0.20	0.16	<1000
2896	SMP	sump inside a pit	GENA	01	GENA-1-SMP-F1-1148	Solid	2.98	72.60	0.23	58.30	18.20	<0.050	<0.20	<0.10	<1000
3475	SMP	sump inside a pit	GENA	01	GENA-1-SMP-F1-1156	Sludge	1.67	213.00	1.90	49.00	60.90	<0.050	<0.20	1.71	<1000
2911	SMP	sump inside a pit	GENA	01	GENA-1-SMP-F1-1162	Sludge	0.27	18.60	<0.20	10.70	5.93	<0.050	<0.20	<0.10	<1000
3723	SMP	sump	GENA	01	GENA-1-SMP-F1-1164	Sludge	4.13	454.00	2.94	**134.00**	**145.00**	0.14	<0.20	0.97	<1000
7643		sump	GENA	1	GENA-1-SMP-F1-1199	Solid	1.62	**2130.00**	1.40	18.70	21.90	<0.050	1.02	0.43	<1000
2942	TRN	trench	GENA	01	GENA-1-TRN-F1-1171	Solid	2.95	642.00	1.72	83.70	85.60	<0.050	0.25	0.30	<1000
2175	OFM	oil reservoir	GENA	OM	GENA-M-CRA-F1-1031	Wipe									<1
1386	OFM	oil reservoir	GENA	OM	GENA-M-OFM-F1-1081	Oil									<1000
1414	OFM	gear box - conveyor drive	GENA	OM	GENA-M-OFM-F1-1082	Oil									<1000
1430	OFM	gear box - conveyor drive	GENA	OM	GENA-M-OFM-F1-1083	Oil									<1000
2846	OFM	gear box - conveyor drive	GENA	OM	GENA-M-OFM-F1-1084	Wipe									<1
1428	OFM	gear box - conveyor drive	GENA	OM	GENA-M-OFM-F1-1085	Oil									<1000
1439	OFM	gear box - conveyor drive	GENA	OM	GENA-M-OFM-F1-1086	Oil									<1000
2022	WAL	brick/block	GENA	1	GENA-1-WAL-F1-2000	Solid	3.35	3.98	<.20	6.70	1.95	<0.05	<.20	<.10	<330
2023	WAL	brick/block	GENA	1	GENA-1-WAL-F1-2001	Solid	1.95	7.46	<.20	14.90	2.47	<0.05	<.20	<.10	<330
2024	WAL	brick/block	GENA	1	GENA-1-WAL-F1-2002	Solid	3.95	44.90	<.20	6.80	1.96	<0.05	<.20	<.10	<330
2025	WAL	brick/block	GENA	1	GENA-1-WAL-F1-2003	Solid	2.10	69.80	<.20	13.40	2.76	<0.05	<.20	<.10	<330
2026	WAL	brick/block	GENA	1	GENA-1-WAL-F1-2004	Solid	1.76	72.10	<.20	14.10	2.51	<0.05	<.20	<.10	<330
2027	WAL	brick/block	GENA	1	GENA-1-WAL-F1-2005	Solid	2.04	82.70	<.20	15.20	3.02	<0.05	<.20	<.10	<330
2028	WAL	brick/block	GENA	1	GENA-1-WAL-F1-2006	Solid	1.25	29.90	<.20	4.6	1.26	<0.05	<.20	<.10	<330
2029	WAL	brick/block	GENA	1	GENA-1-WAL-F1-2007	Solid	1.26	41.20	<.20	11.20	3.26	<0.05	<.20	<.10	<330
7762			OCMP	1	CCMP-1-DRL-F1-1219	Wipe									<1
7763			OCMP	DUP	CCMP-1-DUP-F1-1220	Solid	2.08	41.80	0.74	8.70	3.11	<0.050	<0.20	<0.10	450.00
59	OFM	oil reservoir	OCMP	01	CCMP-1-OFM-F1-1001	Wipe									<1
69	OFM	oil reservoir	OCMP	01	CCMP-1-OFM-F1-1002	Oil									<1000
71	OFM	oil reservoir	OCMP	01	CCMP-1-OFM-F1-1003	Wipe									<1
94	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1007	Solid	2.80	54.70	<0.20	6.00	3.11	0.05	<0.20	<0.10	<330
93	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1009	Solid	2.44	43.00	<0.20	6.10	2.47	<0.050	<0.20	<0.10	**21000.00**
7773	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1009-8	Solid									<330
7774	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1009-9	Solid									<330
7775	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1009-10	Solid									<330
7776	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1009-11	Solid									<330
7768	FLR	Soil	OCMP	OB	CCMP-B-DUS-F1-1011	Solid									<330
7769	FLR	Soil	OCMP	OB	CCMP-B-DUS-F1-1012	Solid									<330
7770	FLR	Soil	OCMP	OB	CCMP-B-DUS-F1-1013	Solid									<330
7771	FLR	Soil	OCMP	OB	CCMP-B-DUS-F1-1014	Solid									<330
7772	TRN	trench	OCMP	OB	CCMP-B-TRN-F1-1009-15	Sludge	9.79	132.00	5.39	95.50	**204.00**	0.32	0.27	1.92	<330
91	SMP	sump	OCMP	OB	CCMP-B-SMP-F1-1006	Solid	21.90	141.00	5.62	43.80	**204.00**	**15.32**	<0.20	0.34	<1000
96	SMP	sump	OCMP	OB	CCMP-B-SMP-F1-1010	Sludge	18.50	328.00	4.39	**129.00**	**251.00**	0.34	0.50	0.61	<1000
92	TRN	trench	OCMP	OB	CCMP-B-TRN-F1-1008	Sludge	0.26	11.10	0.72	2.30	35.80	<0.050	<0.20	<0.10	<1000
2001	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1009-1	Solid									**21000.00**
2002	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1009-2	Solid									**21000.00**
2003	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1009-3	Solid									**4500.00**
2004	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1009-4	Solid									**21000.00**
2005	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1009-5	Solid									<330
2006	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1009-6	Solid									**5000.00**
2007	FLR	concrete	OCMP	01	CCMP-B-FLR-F1-1009-7	Solid									700.00
2008	FLR	concrete	OCMP	01	CCMP-1-FLR-F1-1025	Solid									<330
2009	FLR	concrete	OCMP	01	CCMP-1-FLR-F1-1026	Solid									<330
2010	FLR	concrete	OCMP	01	CCMP-1-FLR-F1-1027	Solid									<330
2011	FLR	concrete	OCMP	01	CCMP-1-FLR-F1-1028	Solid									<330

Notes:

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GENERAL MORTORS CORPORATION
Moraine Assembly
Moraine, Ohio
FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 3
TOTAL METALS AND POLYCHLORINATED BIPHENYLS RESULTS

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	SAMPLE ID	SAMPLE TYPE	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	TOTAL PCB
		Concentrations reported in:					mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	mg/l or mg/kg	ug/kg
		Regulatory Crietira			Water/Waste Water	TCLP	5 mg/l	100 mg/l	1 mg/l	5 mg/l	5 mg/l	0.2 mg/l	1 mg/l	5 mg/l	1 mg/l
					Wipe	TSCA wipe									10 µg/wipe
					Solid	TCLP x 20	100 mg/kg	2000 mg/kg	20 mg/kg	100 mg/kg	100 mg/kg	4 mg/kg	20 mg/kg	100 mg/kg	1000 µg/kg
2013	FLR	concrete	OCMP	01	CCMP-1-FLR-F1-1029	Solid									<330
2014	FLR	concrete	OCMP	01	CCMP-1-FLR-F1-1030	Solid									<330
2015	FLR	concrete	OCMP	01	CCMP-1-FLR-F1-1031	Solid									<330
2016	FLR	concrete	OCMP	01	CCMP-1-FLR-F1-1032	Solid									<330
2018	FLR	concrete	OCMP	01	CCMP-1-FLR-F1-1033	Solid									<330
2019	FLR	concrete	OCMP	01	CCMP-1-FLR-F1-1034	Solid									<330
2020	FLR	concrete	OCMP	01	CCMP-1-FLR-F1-1035	Solid									<330
2021	FLR	concrete	OCMP	01	CCMP-1-FLR-F1-1036	Solid									<330
5691	CTN	coated concrete	PANT	01	PANT-1-CTN-F1-1074	Solid	3.71	89.50	<0.20	17.60	2.57	<0.050	<0.20	<0.10	<330
7761			PANT		PANT-1-DUP-F1-1218	Solid	3.48	49.10	<0.20	8.80	4.98	<0.050	<0.20	<0.10	<330
4761	FLR	concrete	PANT	01	PANT-1-FLR-F1-1063	Solid	3.27	46.00	<0.20	8.00	2.97	<0.050	<0.20	<0.10	<330
4771	MIS	carrier	PANT	01	PANT-1-MIS-F1-1065	Solid					**125.00**				
4979	OFM	gear box - conveyor drive	PANT	02	PANT-1-OFM-F1-1093	Oil									<1000
5030	OFM	gear box - conveyor drive	PANT	02	PANT-1-OFM-F1-1094	Oil									<1000
5186	OFM	gear box - conveyor drive	PANT	02	PANT-1-OFM-F1-1095	Oil									<1000
5253	OFM	gear box - conveyor drive	PANT	01	PANT-1-OFM-F1-1096	Oil									<1000
5720	OFM	gear box - conveyor drive	PANT	02	PANT-1-OFM-F1-1098	Oil									<1000
5697	PAD	interior concrete pad	PANT	01	PANT-1-PAD-F1-1080	Solid	3.52	48.20	<0.20	8.20	5.45	<0.050	<0.20	<0.10	<330
5186	OFM	gear box - conveyor drive	PANT	02	PANT-1-PIT-F1-1095	Sludge	<0.10	2.60	<0.20	3.00	<0.50	<0.050	<0.20	<0.10	<1000
5233	SMP	sump	PANT	01	PANT-1-SMP-F1-1167	Solid	1.24	375.00	1.81	65.00	65.60	0.065	<0.20	0.95	<1000
5695	TRN	trench	PANT	01	PANT-1-TRN-F1-1078	Solid	<0.10	13.60	<0.20	1.30	7.64	<0.050	<0.20	<0.10	<1000
5696	TRN	trench	PANT	01	PANT-1-TRN-F1-1079	Solid	<0.10	2.60	<0.20	3.50	<0.50	<0.050	<0.20	<0.10	<1000
5728	TRN	trench	PANT	01	PANT-1-TRN-F1-1136	Sludge	0.15	58.80	<0.20	6.60	1.39	<0.050	<0.20	<0.10	<1000
5719	OFM	gear box - conveyor drive	PANT	02	PANT-2-OFM-F1-1097	Oil									<1000
5724	OFM	lift	PANT	02	PANT-2-OFM-F1-1132	Wipe									<1
5725	OFM	lift	PANT	02	PANT-2-OFM-F1-1133	Wipe									<1
4582	OVN	ovens	PANT	03	PANT-3-OVN-F1-1058	Solid	0.18	5.70	<0.20	2.70	4.96	<0.050	<0.20	9.29	
979	ROF	roofing material	PANT	OR	PANT-R-ROF-F1-1013	Solid	<0.10	2.90	<0.20	<1.0	0.99	<0.050	<0.20	<0.10	<1000
978	ROF	roofing material	PANT	OR	PANT-R-ROF-F1-1015	Solid	0.31	2.00	0.25	<1.0	9.47	<0.050	0.20	<0.10	<1000
2038	WAL	brick/block	PANT		PANT-1-WAL-F1-2016	Solid	2.49	43.10	<.20	7.50	2.07	<0.05	<.20	<.10	<330
2039	WAL	brick/block	PANT		PANT-1-WAL-F1-2017	Solid	3.47	56.20	<.20	6.10	5.13	<0.05	<.20	<.10	<330
2040	WAL	brick/block	PANT		PANT-1-WAL-F1-2018	Solid	2.97	40.00	<.20	6.00	2.31	<0.05	<.20	<.10	<330
2041	WAL	brick/block	PANT		PANT-1-WAL-F1-2019	Solid	5.80	78.00	<.20	10.00	2.68	<0.05	<.20	<.10	<330
2042	WAL	brick/block	PANT		PANT-1-WAL-F1-2020	Solid	3.86	61.00	<.20	7.60	2.73	<0.05	<.20	<.10	<330
2043	WAL	brick/block	PANT		PANT-1-WAL-F1-2021	Solid	7.62	100.00	<.20	12.50	4.47	<0.05	<.20	<.10	<330
1098	SMP	sump	WWTP	01	WWT-1-SMP-F1-1017	Sludge	1.32	133.00	0.89	46.90	**131.00**	0.58	<0.20	0.22	<1000
1110	TRN	trench	WWTP	01	WWT-1-TRN-F1-1018	Sludge	1.16	176.00	0.76	27.50	**185.00**	2.27	<0.20	0.36	<1000
1109	TRN	trench	WWTP	01	WWT-1-TRN-F1-1181	Sludge	0.88	185.00	3.08	40.40	**108.00**	0.08	<0.20	0.41	<1000
1108	TRN	trench	WWTP	01	WWT-1-TRN-F1-1187	Solid	0.29	11.50	0.41	4.50	13.30	<0.050	<0.20	<0.10	<330
1127	FTR	sand	WWTP	02	WWT-2-TNK-F1-1019	Solid	0.16	49.10	<0.20	5.40	61.90	<0.050	<0.20	<0.10	<330
1161	TNK	other	WWTP	02	WWT-2-TNK-F1-1020	Sludge	0.96	103.00	0.85	4.20	**783.00**	<0.050	<0.20	<0.10	<1000
1162	TNK	other	WWTP	02	WWT-2-TNK-F1-1021	Sludge	2.37	183.00	0.46	55.00	**162.00**	0.20	<0.20	0.31	<1000
1164	TNK	other	WWTP	02	WWT-2-TNK-F1-1022	Solid	1.53	244.00	0.31	37.10	18.70	<0.050	<0.20	0.32	<1000
1168	TNK	other	WWTP	02	WWT-2-TNK-F1-1023	Wastewater	0.00	0.01	<0.0005	<0.005	<0.003	<0.0002	<0.005	<0.0005	<0.1
1173	SMP	weir	WWTP	02	WWT-2-TNK-F1-1142	Sludge	0.54	120.00	0.35	28.60	**180.00**	<0.050	<0.20	<0.10	<1000
7766			WWTP		WWT-2-TNK-F1-1222	Wastewater	0.00	<0.005	<0.0005	<0.005	<0.003	<0.0002	<0.005	<0.0005	<0.1
1188	TNK	other	WWTP	03	WWT-3-TNK-F1-1025	Solid	0.20	2.30	<0.20	4.40	<0.50	<0.050	0.24	<0.10	<1000
1081	ROF	roofing material	WWTP	OR	WWT-R-ROF-F1-1016	Solid	1.03	20.40	0.88	1.70	21.40	<0.050	0.26	<0.10	<1000

Notes:

1) Bold highlighted text exceed regulatory levels.

GENERAL MORTORS CORPORATION
Moraine Assembly
Moraine, Ohio

FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 4
VOLATILE ORGANIC COMPOUNDS
ANALYTICAL RESULTS

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	SAMPLE ID	SAMPLE TYPE	BENZENE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROFORM	1,4-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	2-BUTANONE (MEK)	TETRA-CHLOROETHENE	TRICHLOROETHENE	VINYL CHLORIDE
Concentrations reported in[1]:							ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l
Regulatory Criteira					Water/Waste Water	TCLP	500 ug/l	500 ug/l	100,000 ug/l	6,000 ug/l	75,000 ug/l	500 ug/l	700 ug/l	200,000 ug/l	700 ug/l	500 ug/l	200 ug/l
					Solid	TCLP x 20	10,000 ug/kg	10,000 ug/kg	2,000,000 ug/kg	120,000 ug/kg	150,000 ug/kg	10,000 ug/kg	14,000 ug/kg	4,000,000 mg/kg	14,000 ug/kg	10,000 ug/kg	4,000 ug/kg
7767	OFM	gear box - conveyor drive	BODY	01	BODY-1-BLNK-F1-1203	Wipe											
7646			BODY	1	BODY-1-BLNK-F1-1204	Wipe											
2089	DRN	drain	BODY	01	BODY-1-DRN-F1-1030	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
7647			BODY	1	BODY-1-DUP-F1-1205	Wipe											
1791	FLR	concrete	BODY	01	BODY-1-FLR-F1-1026	Solid											
2236	FLR	concrete	BODY	01	BODY-1-FLR-F1-1033	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
2478	FLR	concrete	BODY	01	BODY-1-FLR-F1-1034	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
4340	FLR	concrete	BODY	01	BODY-1-FLR-F1-1049	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
7653		concrete	BODY	1	BODY-1-FLR-F1-1210	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
1541	OFM	gear box - conveyor drive	BODY	01	BODY-1-OFM-F1-1087	Wipe											
1925	OFM	robot	BODY	01	BODY-1-OFM-F1-1099	Wipe											
1981	OFM	robot	BODY	01	BODY-1-OFM-F1-1100	Wipe											
2267	OFM	robot	BODY	01	BODY-1-OFM-F1-1101	Wipe											
2407	OFM	robot	BODY	01	BODY-1-OFM-F1-1102	Wipe											
2497	OFM	robot	BODY	01	BODY-1-OFM-F1-1103	Wipe											
2598	OFM	robot	BODY	01	BODY-1-OFM-F1-1104	Wipe											
2638	OFM	robot	BODY	01	BODY-1-OFM-F1-1105	Wipe											
2678	OFM	robot	BODY	01	BODY-1-OFM-F1-1106	Wipe											
4267	OFM	robot	BODY	01	BODY-1-OFM-F1-1107	Wipe											
4313	OFM	robot	BODY	01	BODY-1-OFM-F1-1108	Wipe											
5698	OFM	robot	BODY	01	BODY-1-OFM-F1-1109	Wipe											
5699	OFM	robot	BODY	01	BODY-1-OFM-F1-1110	Wipe											
5701	OFM	robot	BODY	2742	BODY-1-OFM-F1-1111	Wipe											
5703	OFM	robot	BODY	01	BODY-1-OFM-F1-1112	Wipe											
5704	OFM	robot	BODY	01	BODY-1-OFM-F1-1113	Wipe											
5705	OFM	robot	BODY	01	BODY-1-OFM-F1-1114	Wipe											
5711	OFM	robot	BODY	01	BODY-1-OFM-F1-1115	Wipe											
5707	OFM	robot	BODY	1	BODY-1-OFM-F1-1116	Wipe											
5710	OFM	robot	BODY	01	BODY-1-OFM-F1-1117	Wipe											
3973	OFM	gear box - conveyor drive	BODY	01	BODY-1-OFM-F1-1120	Wipe											
1775	OFM	mill	BODY	01	BODY-1-OFM-F1-1125	Wipe											
1780	OFM	lathe	BODY	01	BODY-1-OFM-F1-1126	Wipe											
2000	OFM	hydraulic pump	BODY	01	BODY-1-OFM-F1-1134	Oil											
2020	OFM	hydraulic pump	BODY	01	BODY-1-OFM-F1-1135	Oil											
4508	PIT	pit	BODY	01	BODY-1-PIT-F1-1057	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
7648		Pit	BODY	1	BODY-1-PIT-F1-1206	Sludge	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
7651		concret	BODY	1	BODY-1-RRT-F1-1208	Solid											
4371	SMP	sump	BODY	01	BODY-1-SMP-F1-1050	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
3865	FEX	20# water	GENA	01	BODY-1-SMP-F1-1161	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
2254	SMP	sump	BODY	01	BODY-1-SMP-F1-1166	Sludge	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
7645	Body 1st	L	BODY	1	BODY-1-SMP-F1-1193	Water	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
7652		sump	Body	1	BODY-1-SMP-F1-1209	Solid											
6404	TRN	trench	BODY	01	BODY-1-TRN-F1-1172	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
4524	TRN	trench	BODY	01	BODY-1-TRN-F1-1180	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
4507	TRN	trench	BODY	01	BODY-1-TRN-F1-1186	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
7759	BLANK		BODY	2	BODY-2-BLNK-F1-1216	Wipe											
7760	DRILL		BODY	2	BODY-2-DRL-F1-1217	Wipe											
5554	DRN	drain	BODY	02	BODY-2-DRN-F1-1069	Sludge	60.00	<50	<50	<50	<50	<50	<50	3,300	<50	<50	<50
5555	DUC	exhaust	BODY	02	BODY-2-DUC-F1-1070	Solid											
5719	FLR	concrete	BODY	02	BODY-2-FLR-F1-1068	Wipe											
5681	MIS	carrier	BODY	02	BODY-2-MIS-F1-1071	Wipe											
5716	OFM	gear box - conveyor drive	BODY	01	BODY-2-OFM-F1-1090	Wipe											
5717	OFM	gear box - conveyor drive	BODY	02	BODY-2-OFM-F1-1091	Oil											
5718	OFM	gear box - conveyor drive	BODY	2	BODY-2-OFM-F1-1092	Oil											
7758	OFM		BODY	2	BODY-2-OFM-F1-1215	Wipe											
5770	FLR	debris	BODY	03	BODY-3-FLR-F1-1138	Solid											
5740	ROF	roofing material	BODY	03	BODY-3-ROF-F1-1137	Sludge											
7757	Body - 3rd	J	BODY	3	BODY-3-ROF-F1-1195	Sludge											
4426	CTN	coated concrete	BODY	OB	BODY-B-CTN-F1-1053	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
7656	FLR	concrete	BODY		BODY-B-DUP-F1-1213	Solid											
4433	FLR	concrete	BODY	OB	BODY-B-FLR-F1-1055	Solid											
7655	FLR	concrete	BODY		BODY-B-FLR-F1-1212	Solid											
980	PIT	pit	BODY	OB	BODY-B-PIT-F1-1052	Sludge	<100	<100	<100	<100	<100	<100	<100	<1,000	<100	<100	<100
4428	PIT	pit	BODY	OB	BODY-B-PIT-F1-1054	Wastewater	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
4672	SMP	sump	BODY	OB	BODY-B-PIT-F1-1059	Sludge	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
4675	SMP	sump	BODY	OB	BODY-B-SMP-F1-1060	Solid											
2659	OFM	robot	BODY	01	BODY-B-SMP-F1-1143	Solid											
4676	SMP	sump	BODY	OB	BODY-B-SMP-F1-1163	Solid											
4458	SMP	sump	BODY	OB	BODY-B-Sump-F1-1056	Sludge	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
4476	SMP	sump	BODY	OB	BODY-B-Sump-F1-1145	Sludge	<50	<50	<50	<50	290.00	<50	<50	<500	<50	<50	<50
4678	TRN	trench	BODY	OB	BODY-B-TRN-F1-1061	Solid											
4384	WAL	oil stained	BODY	OB	BODY-B-WAL-F1-1051	Solid											

Notes:

1) Bold highlighted text exceed regulatory levels.

GENERAL MORTORS CORPORATION
Moraine Assembly
Moraine, Ohio

FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 4
VOLATILE ORGANIC COMPOUNDS
ANALYTICAL RESULTS

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	SAMPLE ID	SAMPLE TYPE	BENZENE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROFORM	1,4-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	2-BUTANONE (MEK)	TETRA-CHLOROETHENE	TRICHLOROETHENE	VINYL CHLORIDE
Concentrations reported in[1]:							ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l
Regulatory Criteira					Water/Waste Water	TCLP	500 ug/l	500 ug/l	100,000 ug/l	6,000 ug/l	75,000 ug/l	500 ug/l	700 ug/l	200,000 ug/l	700 ug/l	500 ug/l	200 ug/l
					Solid	TCLP x 20	10,000 ug/kg	10,000 ug/kg	2,000,000 ug/kg	120,000 ug/kg	150,000 ug/kg	10,000 ug/kg	14,000 ug/kg	4,000,000 mg/kg	14,000 ug/kg	10,000 ug/kg	4,000 ug/kg
7654			BODY	b	BODY-B-WAL-F1-1211	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
5688	DUS	truss	BODY	OM	BODY-M-DUS-F1-1072	Solid											
5690	DUS	truss	BODY	OM	BODY-M-DUS-F1-1073	Solid											
5712	OFM	gear box - over head door	BODY	OM	BODY-M-OFM-F1-1088	Wipe											
5715	OFM	gear box - conveyor drive	BODY	OM	BODY-M-OFM-F1-1089	Wipe											
2086	OFM	gear box - conveyor drive	BODY	01	BODY-M-OFM-F1-1127	Wipe											
5721	CRT	control panel CRT	BODY	01	BODY-M-OFM-F1-1128	Wipe											
5722	OFM	lift	BODY	01	BODY-M-OFM-F1-1129	Wipe											
5723	OFM	lift	BODY	01	BODY-M-OFM-F1-1130	Wipe											
980	OFM	robot	BODY	01	BODY-R-ROF-F1-1014	Solid											
7765			ccmp	1	CCMP-1-BLNK-F1-1223	Wipe											
7762			OCMP	1	CCMP-1-DRL-F1-1219	Wipe											
7763			OCMP	DUP	CCMP-1-DUP-F1-1220	Solid											
7764			ccmp		CCMP-1-FLR-F1-1221	Solid											
59	OFM	oil reservoir	OCMP	01	CCMP-1-OFM-F1-1001	Wipe											
69	OFM	oil reservoir	OCMP	01	CCMP-1-OFM-F1-1002	Oil											
71	OFM	oil reservoir	OCMP	01	CCMP-1-OFM-F1-1003	Wipe											
94	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1007	Solid											
93	FLR	concrete	OCMP	OB	CCMP-B-FLR-F1-1009	Solid											
91	SMP	sump	OCMP	OB	CCMP-B-SMP-F1-1006	Solid	<200	<200	<200	<200	<200	<200	<200	<2,000	<200	<200	<200
96	SMP	sump	OCMP	OB	CCMP-B-SMP-F1-1010	Sludge	<200	<200	<200	<200	<200	<200	<200	<2,000	<200	<200	<200
92	TRN	trench	OCMP	OB	CCMP-B-TRN-F1-1008	Sludge	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
7643		Oil Resevior	GENA	1	GENA-1-BLNK-F1-1201	Wipe											
7650		concrete	GENA	1	GENA-1-DRL-F1-1207	Wipe											
7644			GENA	1	GENA-1-DUP-F1-1202	Wipe-DUP											
1398	OFM	gear box	GENA	OM	GENA-1-OFM-F1-1118	Wipe											
1403	CFC	electrical control cabinet air	GENA	OM	GENA-1-OFM-F1-1119	Wipe											
3471	OFM	gear box	GENA	01	GENA-1-OFM-F1-1121	Wipe											
3343	OFM	gear box	GENA	01	GENA-1-OFM-F1-1122	Wipe											
1734	OFM	gear box - conveyor drive	GENA	OM	GENA-1-OFM-F1-1123	Wipe											
1736	OFM	gear box - conveyor drive	GENA	OM	GENA-1-OFM-F1-1124	Wipe											
7649		Oil Resevior	GENA		GENA-1-OFM-F1-1200	Oil											
2913	DUC	vent	GENA	01	GENA-1-PIT-F1-1040	Solid											
2943	PIT	pit	GENA	01	GENA-1-PIT-F1-1042	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
2965	PIT	conveyor	GENA	01	GENA-1-PIT-F1-1044	Sludge	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
2965	PIT	conveyor	GENA	01	GENA-1-PIT-F1-1044	Solid											
2937	PIT	conveyor	GENA	01	GENA-1-SMP-F1-1041	Solid											
2947	SMP	sump inside a pit	GENA	01	GENA-1-SMP-F1-1043	Sludge	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
2896	SMP	sump inside a pit	GENA	01	GENA-1-SMP-F1-1148	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
3475	SMP	sump inside a pit	GENA	01	GENA-1-SMP-F1-1156	Sludge	<100	<100	<100	<100	<100	<100	<100	<1,000	<100	<100	<100
2911	SMP	sump inside a pit	GENA	01	GENA-1-SMP-F1-1162	Sludge	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
3723	SMP	sump	GENA	01	GENA-1-SMP-F1-1164	Sludge	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
7643		sump	GENA	1	GENA-1-SMP-F1-1199	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
2942	TRN	trench	GENA	01	GENA-1-TRN-F1-1171	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
2175	OFM	oil reservoir	GENA	OM	GENA-M-CRA-F1-1031	Wipe											
1386	OFM	oil reservoir	GENA	OM	GENA-M-OFM-F1-1081	Oil											
1414	OFM	gear box - conveyor drive	GENA	OM	GENA-M-OFM-F1-1082	Oil											
1430	OFM	gear box - conveyor drive	GENA	OM	GENA-M-OFM-F1-1083	Oil											
2846	OFM	gear box - conveyor drive	GENA	OM	GENA-M-OFM-F1-1084	Wipe											
1428	OFM	gear box - conveyor drive	GENA	OM	GENA-M-OFM-F1-1085	Oil											
1439	OFM	gear box - conveyor drive	GENA	OM	GENA-M-OFM-F1-1086	Oil											
5691	CTN	coated concrete	PANT	01	PANT-1-CTN-F1-1074	Solid											
7761			PANT		PANT-1-DUP-F1-1218	Solid											
4761	FLR	concrete	PANT	01	PANT-1-FLR-F1-1063	Solid											
4931	FTR	paint filter	ELPO	01	PANT-1-FTR-F1-1066	Solid											
4771	MIS	carrier	PANT	01	PANT-1-MIS-F1-1065	Solid											
4979	OFM	gear box - conveyor drive	PANT	02	PANT-1-OFM-F1-1093	Oil											
5030	OFM	gear box - conveyor drive	PANT	02	PANT-1-OFM-F1-1094	Oil											
5186	OFM	gear box - conveyor drive	PANT	02	PANT-1-OFM-F1-1095	Oil											
5253	OFM	gear box - conveyor drive	PANT	01	PANT-1-OFM-F1-1096	Oil											
5720	OFM	gear box - conveyor drive	PANT	02	PANT-1-OFM-F1-1098	Oil											
5697	PAD	interior concrete pad	PANT	01	PANT-1-PAD-F1-1080	Solid											
5186	OFM	gear box - conveyor drive	PANT	02	PANT-1-PIT-F1-1095	Sludge	<100	<100	<100	<100	<100	<100	<100	<1,000	<100	<100	<100
5233	SMP	sump	PANT	01	PANT-1-SMP-F1-1167	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
5695	TRN	trench	PANT	01	PANT-1-TRN-F1-1078	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
5696	TRN	trench	PANT	01	PANT-1-TRN-F1-1079	Solid	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
5728	TRN	trench	PANT	01	PANT-1-TRN-F1-1136	Sludge	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
5719	OFM	gear box - conveyor drive	PANT	02	PANT-2-OFM-F1-1097	Oil											
5724	OFM	lift	PANT	02	PANT-2-OFM-F1-1132	Wipe											
5725	OFM	lift	PANT	02	PANT-2-OFM-F1-1133	Wipe											
4582	OVN	ovens	PANT	03	PANT-3-OVN-F1-1058	Solid											
979	ROF	roofing material	PANT	OR	PANT-R-ROF-F1-1013	Solid											

Notes:

1) Bold highlighted text exceed regulatory levels.

GENERAL MORTORS CORPORATION
Moraine Assembly
Moraine, Ohio

FACILITY ENVIRONMENTAL ASSESSMENT

TABLE 4
VOLATILE ORGANIC COMPOUNDS
ANALYTICAL RESULTS

UNIT ID	AREA OF INTEREST	ITEM OF INTEREST	BLDG	FLOOR	SAMPLE ID	SAMPLE TYPE	BENZENE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROFORM	1,4-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	2-BUTANONE (MEK)	TETRA-CHLOROETHENE	TRICHLOROETHENE	VINYL CHLORIDE
Concentrations reported in[1]:							ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l	ug/kg or ug/l
Regulatory Criteira					Water/Waste Water	TCLP	500 ug/l	500 ug/l	100,000 ug/l	6,000 ug/l	75,000 ug/l	500 ug/l	700 ug/l	200,000 ug/l	700 ug/l	500 ug/l	200 ug/l
					Solid	TCLP x 20	10,000 ug/kg	10,000 ug/kg	2,000,000 ug/kg	120,000 ug/kg	150,000 ug/kg	10,000 ug/kg	14,000 ug/kg	4,000,000 mg/kg	14,000 ug/kg	10,000 ug/kg	4,000 ug/kg
978	ROF	roofing material	PANT	OR	PANT-R-ROF-F1-1015	Solid											
1098	SMP	sump	WWTP	01	WWT-1-SMP-F1-1017	Sludge	<90	<90	<90	<90	<90	<90	<90	<900	<90	<90	<90
1110	TRN	trench	WWTP	01	WWT-1-TRN-F1-1018	Sludge	<400	<400	<400	<400	<400	<400	<400	<4,000	<400	<400	<400
1109	TRN	trench	WWTP	01	WWT-1-TRN-F1-1181	Sludge	<90	<90	<90	<90	<90	<90	<90	<900	<90	<90	<90
1108	TRN	trench	WWTP	01	WWT-1-TRN-F1-1187	Solid											
1127	FTR	sand	WWTP	02	WWT-2-TNK-F1-1019	Solid											
1161	TNK	other	WWTP	02	WWT-2-TNK-F1-1020	Sludge											
1162	TNK	other	WWTP	02	WWT-2-TNK-F1-1021	Sludge	<60	<60	<60	100	<60	<60	<60	<600	<60	<60	<60
1164	TNK	other	WWTP	02	WWT-2-TNK-F1-1022	Solid											
1168	TNK	other	WWTP	02	WWT-2-TNK-F1-1023	Wastewater	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
1173	SMP	weir	WWTP	02	WWT-2-TNK-F1-1142	Sludge	<50	<50	<50	<50	<50	<50	<50	<500	<50	<50	<50
7766			WWTP		WWT-2-TNK-F1-1222	Wastewater	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
1188	TNK	other	WWTP	03	WWT-3-TNK-F1-1025	Solid											
1081	ROF	roofing material	WWTP	OR	WWT-R-ROF-F1-1016	Solid											

Notes:
1- Analytical results reported in ug/kg for soilds and ug/l for sludge and liquids.

Notes:

1) Bold highlighted text exceed regulatory levels.

APPENDIX A

Asbestos Report

KEC K-TECH ENVIRONMENTAL CONSULTANTS, INC.

Mr. Ken Gembel
General Motors Corporation
WFG-Remediation Environmental Services
30200 Mound Rd.
M/C 480-111-W60
Warren, MI 48090

January 12, 2009
Project #0811-3584

RE: Survey for Asbestos Containing Materials
GM-Moraine Assembly Plant
2601 W. Stroop Road
Moraine, OH 45439

Dear Mr. Gembel:

This report presents the results of the Asbestos Containing Materials (ACM) building survey performed at the GM- Moraine Assembly Plant in Moraine, Ohio. Chad Khazouz (ES34742) and Rawlins Stivers Jr. (ES34743), state of Ohio certified asbestos inspectors, performed the asbestos survey.

We are pleased to have the opportunity to be of service to you. Should you have any questions following your review of this report, or need additional information, please call.

Sincerely,
K-Tech Environmental Consultants, Inc.,

Pete Peric
Manager of Operations

Attachment

19500 Middlebelt Rd. • Suite 111E • Livonia, MI 48152 • Ph. (248) 426-7600 • Fax (248) 426-7665

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PLM LABORATORY RESULTS	APPENDIX A
INSPECTOR CERTIFICATES	APPENDIX B

SURVEY FOR ASBESTOS CONTAINING MATERIALS

1.0 INTRODUCTION

K-Tech Environmental Consultants, Inc. was retained by General Motors Corporation, WFG-Remediation Environmental Services (Mr. Ken Gembel) to perform an asbestos building survey at the GM-Moraine Assembly Plant in Moraine, Ohio. The inspection services encompassed both the interior & exterior of the Main Plant as well as the outbuildings. The outbuildings consist of the following: Tank Farm, Gate House #4 & 6, Fire Pump House #1, 2, 3, 4 & 5, Emergency Generator #1, 2 & 3, Salt Shed, Shipping Gate, Haulaway Yard Office, Compressor Building, Switch House, North Haulaway Gate House, South Haulaway Gate House, CVO Office, CVO Garage, Utility Trestle, Industrial Waste Treatment Plant, Barrel Storage and Freon Storage. The buildings were also included in the survey but were of brand new construction are the Main Security Building (Building #7), Paint Shop, Paint Gate, Gate House #2, 3, & 7 while the Dryden Gate House # 7 was not accessible.

The buildings vary between one to three stories, and it is generally of steel frame, masonry walls, concrete floor and built up roof construction materials. The site inspection was performed on November 19 thru December 5, 2008. This survey is a completion for the asbestos surveys that were performed in 2000 by CRA / EKS and by Traverse Group in 2005.

The purpose of the survey was to verify and quantify, to the extent possible, friable and non-friable asbestos containing building materials (ACM). The results of the asbestos study are needed for the planned building demolition activities in accordance with current EPA 40 CFR Part 61 of the Federal Register, Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP) revision; final rule effective November 20, 1990. For the purpose of this report and as defined by EPA regulations, a friable material is one which can be crushed, crumbled, pulverized, or reduced to powder by hand pressure when dry.

2.0 SCOPE OF WORK

The scope of work included the following items:

- Surveyed the subject plant buildings to locate, identify and sample suspected asbestos-containing materials (ACM). It was beyond the scope of this survey to locate, identify, or quantify ACM in concealed and/or inaccessible areas, such as within floors or walls. However, the areas above suspended ceilings were observed and pipe chases and tunnels were checked where access was available.

We should note that the electric cables, electrical buss bars, electrical arc chutes could not be accessed during this study due to live power and current use by GM personnel. We recommend that prior to demolition, the subject areas be visually inspected and tested for the presence of suspect ACM.

- Collected bulk samples, from randomly selected areas within the buildings, from building materials suspected of containing asbestos. These samples were submitted to Apex Research Inc., in Whitmore Lake, Michigan, for Laboratory analysis using Polarized Light Microscopy (PLM) EPA Method 600/R-93/116. Apex Research Inc., is accredited by the National Institute for Standards and Technology (NIST) and National Voluntary Laboratory Accreditation Program (NVLAP).

The results of our survey including a list of homogeneous areas identified as containing asbestos through PLM analysis, approximate quantity of each ACM homogeneous area and laboratory results of bulk samples analyzed are presented in the following sections.

3.0 SURVEY FINDINGS

During the survey, one-hundred five (105) homogeneous areas (HA) suspected of containing asbestos were identified. For the purpose of this report, a homogeneous area is defined as a building material that appears similar throughout the buildings in terms of color, texture, date of installation and composition. An additional one-hundred forty-six (146) bulk samples were collected during this survey. A description of the approximate locations of each bulk sample collected, the type of material sampled, sample numbers and a summary of the PLM test results are included in Appendix A. The following table lists the sample numbers, the HA's, the friability of the material, whether it is friable (F) or non-friable (NF), the category of the material - whether it is surfacing (SM),

miscellaneous (M), or thermal system insulation (TSI), and the material description.

TABLE 1 - Suspect ACM in Main Plant (Plant #1) & Administration Building			
HA #	F/NF	ategor	Suspect Material
1	NF	M	4” Black Baseboard
2	NF	M	4” Gray Baseboard
3	NF	M	6” Black Baseboard
4	NF	M	Cork Ceiling Material
5	NF	M	1’x2’ Metal Pan Tile w/Fiberglass and Paper Backing
6	NF	M	2’x4’ Ceiling Tile with Pinholes and Squiggles
7	NF	M	2’x4’ White Ceiling Tile with Wormhole & Pinhole Pattern
8	NF	M	Heat Resistant Cement Block Ceiling
9	NF	M	1’x1’ Suspended Ceiling Tile
10	F	SM	Plaster Ceiling
11	NF	M	2’x2’ Ceiling Tile
12	NF	M	Freight Elevator Door Seal
13	NF	M	Duct Wrap
14	NF	M	Expansion Joint on Duct Work
15	NF	M	9”x9” Green Floor Tile & Mastic
16	NF	M	9”x9” Tan Floor Tile w/Cream Streaks & Mastic
17	NF	M	Wood Block Flooring
18	NF	M	Mastic of Wood Flooring

TABLE 1 - Suspect ACM in Main Plant (Plant #1) & Administration Building			
HA #	F/NF	ategoı	Suspect Material
19	NF	M	12”x22” Pyro Bar Fire Block
20	NF	M	12”x12” Tan Floor Tile & Mastic
21	NF	M	12”x12” Black Floor Tile & Mastic
22	NF	M	12”x12” Black w/White Streaks Floor Tile & Mastic
23	NF	M	12”x12” Gray Floor Tile
24	NF	M	12”x12” Tan w/Cream Streaks Floor Tile
25	NF	M	12”x12” Cream w/Brown Specks Floor Tile & Mastic
26	NF	M	12”x12” Blue Floor Tile
27	NF	M	12”x12” Green Floor Tile & Mastic
28	NF	M	12”x12” Dark Blue Tile & Mastic
29	NF	M	Carpet Glue
30	NF	M	White/Gray Linoleum
31	NF	M	White/Red/Blue Linoleum
32	NF	M	Blue Linoleum
33	NF	M	Brown Linoleum
34	NF	M	Tan Linoleum
35	NF	M	Shower Putty
36	NF	M	Gray Sink Caulk
37	NF	M	Roofing Material

TABLE 1 - Suspect ACM in Main Plant (Plant #1) & Administration Building			
HA #	F/NF	ategoı	Suspect Material
38	NF	M	Roof Flashing
39	F	TSI	Condensate Tank Insulation
40	F	TSI	0-2” Pipe Insulation
41	F	TSI	2-4” Pipe Insulation
42	F	TSI	4-6” Pipe Insulation & Associated Fittings
43	F	TSI	6-8” Pipe Insulation & Associated Fittings
44	F	TSI	0-2” Pipe Fitting Insulation
45	F	TSI	2-4” Pipe Fitting Insulation
46	F	TSI	4-6” Pipe Fitting Insulation (Basement)
47	F	TSI	12” Mudded Elbow on Fiberglass Pipe
48	F	SM	Plaster Wall
49	F	SM	Plaster with Mesh of Walls/Ceiling
50	NF	M	Drywall & Mud of Walls/Ceiling
51	NF	M	Drywall with Trowel on Plaster
52	NF	M	Transite Panels
53	NF	M	Pressed Fibrous Board
54	NF	M	Fibrous Wall Insulation
55	NF	M	Drywall
56	F	SM	Spray on Insulation

TABLE 1 - Suspect ACM in Main Plant (Plant #1) & Administration Building			
HA #	F/NF	ategoı	Suspect Material
57	NF	M	Firewall Brick
58	NF	M	Interior White Brittle Window Caulk
59	NF	M	Door Seal
60	NF	M	Mastic under Carpet
61	NF	M	Fire Doors

TABLE 2 - Suspect ACM in Outbuildings			
HA#	F/NF	ategoı	Suspect Material
62	F	TSI	12” Pipe Insulation of Pump House Building
63	NF	M	Dry Wall of North Haulaway Building
64	NF	M	Joint Compound Material of North Haulaway Building
65	NF	M	2’x4’ Dotted Ceiling Panel of North Haulaway Building
66	F	SM	Acoustical Ceiling of CVO Office
67	NF	M	Drywall of CVO Office
68	NF	M	4” Gray Plastic Baseboard of CVO Office
69	NF	M	12”x12” Light Gray Floor Tile of CVO Office
70	NF	M	Vibration Damper of Emergency Generator Buildings
71	F	TSI	10” Pipe Insulation of Emergency Generator Buildings
72	NF	M	12”x12” Black w/White Streaks Floor Tile - Gatehouse #6
73	NF	M	2’x2’ Fissured Ceiling Tile of Gatehouse #4 & #5
74	F	SM	Spray-On Ceiling Insulation of Waste Water Treatment
75	NF	M	Roofing Material of Waste Water Treatment Plant
76	NF	M	Roof Flashing of Waste Water Treatment Plant
77	NF	M	12”x12” Black Floor Tile of Compressor Building[1]
78	NF	M	Window Glazing of Compressor Building
79	NF	M	Roofing Material of Compressor Building
80	NF	M	Roof Flashing of Compressor Building

TABLE 2 - Suspect ACM in Outbuildings			
HA#	F/NF	ategoı	Suspect Material
81	NF	M	Generator House #1, 2 & 3; Gate House #4 & 5
82	NF	M	Roof Flashing of Gatehouse #4 & #5
83	NF	M	Black Slate Lab Top of Industrial Waste Treatment Plant
84	NF	M	Fire Doors of Industrial Waste Treatment Plant
85	F	SM	Plaster with Mesh of Industrial Waste Treatment Plant
86	F	M	1'x1' Splined Ceiling Tile of Industrial Waste Treatment Plant
87	NF	M	Heavy Woven Canvas Gasket of Industrial Waste Treatment Plant
88	NF	M	Plain Transite Panels of Industrial Waste Treatment Plant
89	F	SM	Fire Proofing Material of Industrial Waste Treatment Plant
90	NF	M	Black Door Seal of Industrial Waste Treatment Plant
91	NF	M	Silver Sealant of Industrial Waste Treatment Plant
92	F	M	White Canvas Isolation Cloth Vibration Damper of Industrial Waste Treatment Plant
93	F	M	Black Rubber Isolation Joint Vibration Damper of Industrial Waste Treatment Plant
94	NF	M	4" Black Baseboard of Industrial Waste Treatment Plant
95	F	TSI	Black Fiberglass Duct Insulation of Industrial Waste Treatment Plant
96	F	M	2'x4' Ceiling Tile (Pinholes & Squiggles) of Industrial Waste Treatment Plant
97	NF	M	Black Exterior Sealant of Industrial Waste Treatment Plant
98	F	M	Fibrous Wall Insulation of Industrial Waste Treatment Plant
99	F	TSI	Boiler Gasket of Industrial Waste Treatment Plant

TABLE 2 - Suspect ACM in Outbuildings			
HA#	F/NF	ategoı	Suspect Material
100	NF	M	Rubberized Valve Gasket of Industrial Waste Treatment Plant
101	F	M	White Wall/Door Caulk of Industrial Waste Treatment Plant
102	NF	N	Black Window Seal of Industrial Waste Treatment Plant
103	NF	M	Gray Window Frame Caulk of Industrial Waste Treatment Plant
104	NF	M	Exterior Caulk of Industrial Waste Treatment Plant
105	NF	M	Rubber Expansion Seal of Industrial Waste Treatment Plant

[1] Double Layered Floor Tile

As indicated in the PLM laboratory report included in Appendix A, asbestos is present in the materials listed in the following Tables (3 & 4). The following is a description of each ACM homogeneous area, approximate quantity of each ACM, and the locations of the ACM. It should be noted that it was beyond the scope of work of this survey to identify and quantify ACM or suspect ACM concealed within walls and/or floors of the site buildings.

TABLE 3 – APPROXIMATE CONFIRMED ACM LOCATION AND QUANTITY MAIN PLANT & ADMINISTRATION			
HA #	Material Description	Location / Condition	Quantity
3	6” Black Baseboard	Admin. Bldg., 3rd Floor, Hallway & E/W Offices, VoTec Section and 2nd Floor	1,565 ln.ft.
4	Cork Ceiling Material	Admin. Bldg., Basement, EDS Vault, Bay B-140	450 sq.ft.
12	Freight Elevator Door Seal	Main Plant (Plant #1), 1st & 2nd Floors	186 sq.ft.
15	9”x9” Green Floor Tile & Mastic	Admin. Bldg,, Video Conference Room & Adjacent Offices, Quality	7,140 sq.ft.

TABLE 3 – APPROXIMATE CONFIRMED ACM LOCATION AND QUANTITY MAIN PLANT & ADMINISTRATION			
		Support Offices, Competitive Manufacturing & Action Center	
16	9”x9” Tan Floor Tile w/Cream Streaks & Mastic	Admin. Bldg, Hallway, in front of Room #301, 303, 305	2,100 sq.ft.
20	12”x12” Tan Floor Tile Mastic	Throughout Admin. Bldg., 1st, 2nd & 3rd Floors, 1st Floor Mezzanine and Plant #1 Portable Offices	15,600 sq.ft.
32	Blue Linoleum	Admin. Bldg., Safety Department & Hallway, Training Department and Offices across Assistant Plant Manager’s Office	6,400 sq.ft.
33	Brown Linoleum	Admin. Bldg., North Hallway, Garage, General Assembly Tech. Support, Production Offices, Janitors Closet and Benefits Office	3,950 sq.ft.
34	Tan Linoleum	Admin. Bldg., 2nd Floor, Hallway between EDS & Restroom, S. Side	350 sq.ft.
37	Roofing Material	Main Plant (Plant #1)	664,600 sq.ft.
38	Roof Flashing	Main Plant (Plant #1)	16,754 sq.ft.
40	0-2” Pipe Insulation	Admin. Bldg., 1st & 2nd Floor Hallways & Branches going E/W above Offices, Pipe Chases and Kitchen	674 ln.ft.
41	2-4” Pipe Insulation	Admin. Bldg., 1st & 2nd Floor Hallways & Branches going E/W above Offices, Pipe Chases and Kitchen	2,890 ln.ft.
42	4-6” Pipe Insulation & Associated Fittings	Admin. Bldg., 1st & 2nd Floor Hallways & Branches going E/W above Offices, Pipe Chases and Kitchen	5,540 ln.ft.
43	6-8” Pipe Insulation & Associated Fittings	Admin. Bldg., 1st & 2nd Floor Hallways & Branches going E/W above Offices, Pipe Chases and Kitchen	3,700 ln.ft.
44	0-2” Pipe Fitting Insulation	Admin. Bldg., 1st & 2nd Floor Hallways & Branches going E/W	50 each

TABLE 3 – APPROXIMATE CONFIRMED ACM LOCATION AND QUANTITY MAIN PLANT & ADMINISTRATION			
		above Offices, Pipe Chases and Kitchen	
45	2-4" Pipe Fitting Insulation	Admin. Bldg., 1st & 2nd Floor Hallways & Branches going E/W above Offices, Pipe Chases and Kitchen	244 each
52	Transite Panels	Admin. Bldg., Plant Manager's Office (above ceiling); 1st & 2nd Floor, Heating Units along east Wall & above Drop Ceiling; 3rd Floor, Penthouse; Air Plenum, Training Area, Hauserman walls; Main Plant, Bay F-19, Mezzanine	72,200 sq.ft.
59	Door Seal	Main Plant (Plant #1), 2nd Floor, Bay F-10	1 each
61	Fire Doors	Throughout Plant	22 each

TABLE 4 – APPROXIMATE CONFIRMED ACM LOCATION AND QUANTITY OF OUTBUILDINGS			
HA #	Material Description	Location / Condition	Quantity
76	Roof Flashing	Industrial Waste Treatment Plant	2,400 sq.ft.
78	Window Glazing	Compressor Building	23,200 ln.ft.
81	Roofing Material	Generator House #1, 2 & 3; Gate House #4 & 5	4,220 sq.ft.
84	Fire Doors	Industrial Waste Treatment Plant	17 each
87	Heavy Woven Canvas Gasket	Industrial Waste Treatment Plant	15 each
88	Plain Transite Panels	Industrial Waste Treatment Plant, Control Room Office, Lab Cabinet	300 sq.ft.
100	Rubberized Valve Gasket	Industrial Waste Treatment Plant	265 sq.ft.

4.0 EVALUATIONS AND OPINIONS

As a result of our asbestos plant survey, asbestos containing materials (ACM) were identified within the subject complex on 0-2" pipe fitting insulation, 0-2" pipe insulation, 2-4" pipe fitting insulation, 2-4" pipe insulation, 4-6" pipe insulation, 6-8" pipe insulation, 9"x9" green floor tile & mastic, 9"x9" tan floor tile w/cream streaks & mastic, transite panels, blue linoleum, brown linoleum, 12"x12" tan floor tile & mastic, tan linoleum, 6" black baseboard, cork ceiling material, roofing material, roof flashing, freight elevator door seal, door seal, fire doors, rubberized valve gasket, window glazing & heavy woven canvas gasket.

The friable ACM's encountered during this survey consisted mainly of pipe insulation, elbow & fitting insulation. These friable materials when disturbed or damaged could release fibers into the environment and/or building atmosphere posing a health hazard to the public and the environment. Therefore, special precautions and care should be exercised so as not to disturb these materials. These materials should be properly removed prior to demolition and disposed of by a licensed asbestos abatement contractor in accordance with local, state and federal laws and regulations.

The floor tiles, linoleum flooring, roof flashing, roofing materials, window glazing and gaskets are considered "Category I" while the cork ceiling material, mastic, transite panels, 6" baseboards, door seals are considered "Category II" as defined in 40 CFR Part 61 of the federal register, NESHAP Revision; final rule. In general, these materials were noted to be in good condition, and in their present state are not expected to pose a health hazard to human health or the environment. We understand that current plans include the demolition of the plant. If these non-friable materials are likely to become friable due to cutting sanding grinding during demolition activities, then removal of these materials prior to demolition should be necessary to prevent possible fiber release to the environment.

We should note that the quantities of the identified ACM, and in-particular the pipe and pipe joint insulation, may change at the time when the demolition activities are undertaken and more areas within the building become exposed and accessible. We recommend that all elbow insulation on fiberglass pipes be treated as ACM.

SUMMARY OF PLM REPORT

Location: GM-Moraine Assembly Plant

Date Collected: November 19, 2008

Project No.: 0811-3584

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
1	12”x22” Pyro Bar Fire Block	Admin. Building, 2nd Floor, Pipe Chase, South of Elevators	No
2	12”x22” Pyro Bar Fire Block	Admin. Building, 2nd Floor, Women’s Restroom, North End	No
3	12”x22” Pyro Bar Fire Block	Admin. Building, 2nd Floor, Pipe Chase, Bay C-28	No
4	12”x22” Pyro Bar Fire Block	Admin. Building, 2nd Floor, Men’s Restroom, West End	No
5	12”x22” Pyro Bar Fire Block	Admin. Building, 2nd Floor, Custodial Closet, Bay C-32	No
6	Mastic of Wood Flooring	Admin. Building, 2nd Floor, Bay A-32	No
7	Mastic of Wood Flooring	Admin. Building, 2nd Floor, Bay A-31	No
8	Mastic of Wood Flooring	Admin. Building, 2nd Floor, Bay C-29, Engineering Conf.	No
9	Mastic of Wood Flooring	Admin. Building, 2nd Floor, Bay C-27, Quality Support Office	No
10	Mastic of Wood Flooring	Admin. Building, 2nd Floor, Bay C-26, Quality Support Office	No
11	12”x12” Tan Floor Tile & Mastic	Admin. Building, 2nd Floor, Bay C-32, next to Women’s	Yes
12	12”x12” Tan Floor Tile & Mastic	Admin. Building, 2nd Floor, Bay C-33, next to Men’s Restroom	Yes
13	12”x12” Tan Floor Tile & Mastic	Admin. Building, 1st Floor, Bay A-28, by Benefits Office	Yes
14	12”x12” Tan Floor Tile & Mastic	Admin. Building, 1st Floor, Bay A-28, Hallway by UAW Office	Yes
15	12”x12” Tan Floor Tile & Mastic	Admin. Building, 1st Floor, Bay A-21, Salary Employee Office	Yes
16	12”x12” Black Floor Tile & Mastic	Main Plant, 1st Floor, Bay F-38, Portable Office	Yes
17	12”x12” Black Floor Tile & Mastic	Main Plant, 1st Floor, Bay F-24, Portable Office	Yes
18	12”x12” Black Floor Tile & Mastic	Main Plant, 1st Floor, Bay N-21, Portable Office	Yes
19	Cork Ceiling Material	Admin. Building, Bay B-14, EDS Vault, North End	Yes
20	Cork Ceiling Material	Admin. Building, Bay B-14, EDS Vault, Center	Yes

SUMMARY OF PLM REPORT

Location: GM-Moraine Assembly Plant

Date Collected: November 19, 2008

Project No.: 0811-3584

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
21	Cork Ceiling Material	Admin. Building, Bay B-14, EDS Vault, South End	Yes
22	Condensate Tank Insulation	Main Plant, Tunnel, Bay N-21, South Face	No
23	Condensate Tank Insulation	Main Plant, Tunnel, Bay N-21, North Face	No
24	Condensate Tank Insulation	Main Plant, Tunnel, Bay N-21, North Face	No
25	12” Mudded Elbow on Fiberglass Pipe	Main Plant, Tunnel, Bay N-14	No
26	12” Mudded Elbow on Fiberglass Pipe	Main Plant, Tunnel, Bay N-14	No
27	12” Mudded Elbow on Fiberglass Pipe	Main Plant, Tunnel, Bay N-14	No
28	Roofing Material	Main Plant, Roof, Bay G-19	Yes
29	Roofing Material	Main Plant, Roof, Bay L-21	Yes
30	Roofing Material	Main Plant, Roof, Bay N-14	Yes
31	Roofing Material	Main Plant, Roof, Bay L-7	Yes
32	Roofing Material	Main Plant, Roof, Bay F-15	Yes
33	Roofing Material	Main Plant, Roof, Bay E-10	Yes
34	Roofing Material	Main Plant, Roof, Bay D-16	Yes
35	Roof Flashing	Main Plant, Roof, Bay G-19	Yes
36	Roof Flashing	Main Plant, Roof, Bay L-21	Yes
37	Roof Flashing	Main Plant, Roof, Bay N-14	Yes
38	Roof Flashing	Main Plant, Roof, Bay L-7	Yes
39	Roof Flashing	Main Plant, Roof, Bay F-15	Yes
40	Roof Flashing	Main Plant, Roof, Bay E-10	Yes

SUMMARY OF PLM REPORT

Location: GM-Moraine Assembly Plant

Date Collected: November 19 & 24, 2008

Project No.: 0811-3584

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
41	Roof Flashing	Main Plant, Roof, Bay D-16	Yes
42	12”x12” Black w/White Streaks Floor Tile & Mastic	Main Plant, 1st Floor, Portable Office, Bay N-27	No
43	12”x12” Black w/White Streaks Floor Tile & Mastic	Main Plant, 1st Floor, Portable Office, Bay N-27	No
44	12”x12” Black w/White Streaks Floor Tile & Mastic	Main Plant, 1st Floor, Portable Office, Bay N-23	No
45	12”x12” Gray Floor Tile	Admin. Building, 3rd Floor, Room #304	No
46	12”x12” Gray Floor Tile	Main Plant, 1st Floor, Mezzanine, Bay J-52, East End	No
47	12”x12” Gray Floor Tile	Main Plant, 1st Floor, Mezzanine, Bay J-52, West End	No
48	12” Pipe Insulation	Pump House #4, 1st Floor, North End	No
49	12” Pipe Insulation	Pump House #4, 1st Floor, North End	No
50	12” Pipe Insulation	Pump House #4, 1st Floor, North End	No
51	Drywall Material	North Haulaway Building, 1st Floor, Men’s Restroom	No
52	Drywall Material	North Haulaway Building, 1st Floor, Women’s Restroom	No
53	Drywall Material	North Haulaway Building, 1st Floor, Break Room	No
54	Joint Compound Material	North Haulaway Building, 1st Floor, Men’s Restroom	No
55	Joint Compound Material	North Haulaway Building, 1st Floor, Women’s Restroom	No
56	Joint Compound Material	North Haulaway Building, 1st Floor, Break Room	No
57	2’x4’ Dotted Ceiling Panels	North Haulaway Building, 1st Floor, Break Room	No
58	2’x4’ Dotted Ceiling Panels	North Haulaway Building, 1st Floor, E/W Hallway	No
59	2’x4’ Dotted Ceiling Panels	North Haulaway Building, 1st Floor, Dispatch Office	No
60	Acoustical Ceiling	CVO Office, 1st Floor, Men’s Restroom, South End	No

SUMMARY OF PLM REPORT

Location: GM-Moraine Assembly Plant

Date Collected: November 24, 2008

Project No.: 0811-3584

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
61	Acoustical Ceiling	CVO Office, 1st Floor, Men's Restroom, Storage Office	No
62	Acoustical Ceiling	CVO Office, 1st Floor, Men's Restroom, S.W. Office	No
63	Drywall	CVO Office, 1st Floor, Men's Restroom, South End	No
64	Drywall	CVO Office, 1st Floor, Men's Restroom, Storage office	No
65	Drywall	CVO Office, 1st Floor, Men's Restroom, Southwest Office	No
66	4" Gray Plastic Baseboard	CVO Office, 1st Floor, Break Room	No
67	4" Gray Plastic Baseboard	CVO Office, 1st Floor, Storage Office	No
68	4" Gray Plastic Baseboard	CVO Office, 1st Floor, Conference Room	No
69	12"x12" Light Gray Floor Tile	CVO Office, 1st Floor, Men's Restroom, Northeast Corner	No
70	12"x12" Light Gray Floor Tile	CVO Office, 1st Floor, Men's Restroom, Southwest Corner	No
71	12"x12" Light Gray Floor Tile	CVO Office, 1st Floor, Women's Restroom, East Wall, Center	No
72	Vibration Damper	Emergency Generator #1 Building, 1st Floor, East Face	No
73	Vibration Damper	Emergency Generator #1 Building, 1st Floor, West Face	No
74	Vibration Damper	Emergency Generator #2 Building, 1st Floor, South Face	No
75	10" Pipe Insulation	Emergency Generator #1 Building, 1st Floor	No
76	10" Pipe Insulation	Emergency Generator #1 Building, 1st Floor	No
77	10" Pipe Insulation	Emergency Generator #2 Building, 1st Floor	No
78	12"x12" Black w/White Streaks Floor Tile	Gatehouse #6, Northeast End	No
79	12"x12" Black w/White Streaks Floor Tile	Gatehouse #6, Southeast End	No
80	12"x12" Black w/White Streaks Floor Tile	Gatehouse #6, Southwest End	No

SUMMARY OF PLM REPORT

Location: GM-Moraine Assembly Plant

Date Collected: November 24 & 25, 2008

Project No.: 0811-3584

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
81	2'x2' Fissured Ceiling Tiles	Gatehouse #5, West End	No
82	2'x2' Fissured Ceiling Tiles	Gatehouse #4, North End	No
83	2'x2' Fissured Ceiling Tiles	Gatehouse #4, South End	No
84	Spray-On Ceiling Insulation	Waste Water Treatment Plant, 1st Floor, Northeast Corner	No
85	Spray-On Ceiling Insulation	Waste Water Treatment Plant, 2nd Floor, Northeast Corner	No
86	Spray-On Ceiling Insulation	Waste Water Treatment Plant, 3rd Floor, Northeast Corner	No
87	Roofing Material	Waste Water Treatment Plant, 2nd Floor, Roof, Northeast Corner	No
88	Roofing Material	Waste Water Treatment Plant, 2nd Floor, Roof, Southeast Corner	No
89	Roofing Material	Waste Water Treatment Plant, 2nd Floor, Roof, Southwest Corner	No
90	Roof Flashing	Waster Water Treatment Plant, 2nd Floor, Roof, Northeast Corner	Yes
91	Roof Flashing	Waster Water Treatment Plant, 2nd Floor, Roof, Southeast Corner	Yes
92	Roof Flashing	Waster Water Treatment Plant, 2nd Floor, Roof, Southwest Corner	Yes
93	12"x12" Black Floor Tile	Compressor Building, 1st Floor, East Wall, Center, inside Office	No
94	12"x12" Black Floor Tile	Compressor Building, 1st Floor, East Wall, Center, inside Office	No
95	12"x12" Black Floor Tile	Compressor Building, 1st Floor, East Wall, Center, inside Office	No
96	Window Glazing	Compressor Building, 1st Floor, East Wall, Center	Yes
97	Window Glazing	Compressor Building, 1st Floor, Northwest End	Yes
98	Window Glazing	Compressor Building, 1st Floor, Southwest End	Yes
99	Roofing Material	Compressor Building, Roof, Northwest End	No
100	Roofing Material	Compressor Building, Roof, Northeast End	No

SUMMARY OF PLM REPORT

Location: GM-Moraine Assembly Plant

Date Collected: November 25 & December 5, 2008

Project No.: 0811-3584

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
101	Roofing Material	Compressor Building, Roof, East Wall, Center	No
102	Roof Flashing	Compressor Building, Roof, Northwest End	No
103	Roof Flashing	Compressor Building, Roof, Northeast End	No
104	Roof Flashing	Compressor Building, Roof, East Wall, Center	No
105	Roofing Material	Gatehouse #5, Roof, Southwest Corner	Yes
106	Roofing Material	Gatehouse #4, Roof, Northwest Corner	Yes
107	Roofing Material	Emergency Generator #2, Roof, Southeast Corner	Yes
108	Roof Flashing	Gatehouse #5, Roof, Southwest Corner	No
109	Roof Flashing	Gatehouse #4, Roof, Northwest Corner	No
110	Roof Flashing	Gatehouse #4, Roof, Northeast Corner	No
111	Freight Elevator Door Seal	Main Plant, 1st Floor, Bay C-34	Yes
112	Freight Elevator Door Seal	Main Plant, 2nd Floor, Bay C-34	Yes
113	Freight Elevator Door Seal	Main Plant, 1st Floor, Bay C-11	Yes
114	Spray-On Ceiling	Admin. Bldg., 1st Floor, Quality Control Garage, N.W. End	No
115	Spray-On Ceiling	Admin. Bldg., 1st Floor, Quality Control Garage, S.W. End	No
116	Spray-On Ceiling	Admin. Bldg., 1st Floor, Quality Control Garage, S.E. End	No
117	Spray-On Ceiling	Admin. Bldg., 1st Floor, Quality Control Garage, N.E. End	No
118	Spray-On Ceiling	Admin. Bldg., 1st Floor, Quality Control Garage, Center	No
119	Plaster Wall	Admin. Bldg., 2nd Floor, Women's Restroom, Bay C-32, S. Wall	No
120	Plaster Wall	Admin. Bldg., 2nd Floor, South Stairway, Bay B-14	No

SUMMARY OF PLM REPORT

Location: GM-Moraine Assembly Plant

Date Collected: December 5, 2008

Project No.: 0811-3584

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
121	Plaster Wall	Admin. Bldg., 2nd Floor, Hallway, Bay B-23	No
122	Plaster Ceiling	Admin. Bldg., 1st Floor, by South Freight Elevator, Bay B-14	No
123	Plaster Ceiling	Admin. Bldg., 1st Floor,, Landing to Basement, S. Stairway, B-14	No
124	Plaster Ceiling	Admin. Bldg., 2nd Floor, South Stairway, Bay B-14	No
125	Plaster Ceiling	Admin. Bldg., 2nd Floor, West Stairway, Bay B-28	No
126	Plaster Ceiling	Admin. Bldg., 3rd Floor, Votec Dept., Stairway to Air Plenum	No
127	White, Red & Blue Linoleum	Admin. Bldg., 1st Floor, Medical Dept., East Offices, Hallway	No
128	White, Red & Blue Linoleum	Admin. Bldg., 1st Floor, Medical Dept., E. Offices, S. of Quiet Room	No
129	White & Gray Linoleum	Admin. Bldg., 1st Floor, Medical Dept., West Side, S.W. End	No
130	White & Gray Linoleum	Admin. Bldg., 1st Floor, Medical Dept., West Side, Southeast End	No
131	White & Gray Linoleum	Admin. Bldg., 1st Floor, Medical Dept., West Side, N.E. End	No
132	White & Gray Linoleum	Admin. Bldg., 1st Floor, Medical Dept., W. Side, N.W. End	No
133	12”x12” Green Floor Tile & Mastic	Admin. Bldg., 1st Floor, Salaried Personal Office, Southeast End	No
134	12”x12” Green Floor Tile & Mastic	Admin. Bldg., 1st Floor, Salaried Personal Office, Northeast End	No
135	1’x1’ Ceiling Tile	Admin. Bldg., 1st Floor, Cafeteria, Southeast End	No
136	1’x1’ Ceiling Tile	Admin. Bldg., 1st Floor, Cafeteria, Southwest End	No
137	1’x1’ Ceiling Tile	Admin. Bldg., 1st Floor, Cafeteria, Northeast End	No
138	1’x1’ Ceiling Tile	Admin. Bldg., 1st Floor, Cafeteria, Northwest End	No
139	Mastic under Carpet	Admin. Bldg., 2nd Floor, Vehicle Assembly Office, Bay B-27	No
140	Mastic under Carpet	Admin. Bldg., 2nd Floor, Telephone Closet, Bay B-26	No

SUMMARY OF PLM REPORT

Location: GM-Moraine Assembly Plant

Date Collected: December 5, 2008

Project No.: 0811-3584

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
141	Mastic under Carpet	Admin. Bldg., 2nd Floor, Material Department, Bay B-24	No
142	Mastic under Carpet	Admin. Bldg., 2nd Floor, Material Purchasing, Bay B-21	No
143	Mastic under Carpet	Admin. Bldg., 2nd Floor, Financial Department, Bay B-19	No
144	12”x12” Dark Blue Floor Tile &	Admin. Bldg., 3rd Floor, Votec Dept., Robotic Room #300, S.W. End	No
145	12”x12” Dark Blue Floor Tile &	Admin. Bldg., 3rd Floor,	No
146	12”x12” Dark Blue Floor Tile &	Admin. Bldg., 3rd Floor,	No

Samples Collected by: Chad Khazouz

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: GM/Moraine, OH
Project # 0811-3584

Report To:
Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Road, Suite 111E
Livonia, MI 48152

ARL Report # 08-25653
Date Collected: 11/19/08
Date Received: 12/01/08
Date Analyzed: 12/02/08
Date Reported: 12/02/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-01 Client #: 1 Material: 12x12" Pyro Bar Fire Block Location: Adm. Bldg., 2nd FL, Pipe Chase S Freight El Appearance: white,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 2% Other - 98%
Lab ID #: 25653-02 Client #: 2 Material: 12x12" Pyro Bar Fire Block Location: Adm. Bldg., 2nd FL, Womens Restrm N End Appearance: white,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 2% Other - 98%
Lab ID #: 25633-03 Client #: 3 Material: 12x12" Pyro Bar Fire Block Location: Adm. Bldg., 2nd FL,Pipe Chase Bay C-28 Appearance: white,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 2% Other - 98%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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NVLAP # 102118

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Project # 0811-3584

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-04 Client #: 4 Material: 12x12" Pyro Bar Fire Block Location: Adm. Bldg., 2nd FL,Mens Restroom N End Appearance: white,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 2% Other - 98%
Lab ID #: 25653-05 Client #: 5 Material: 12x12" Pyro Bar Fire Block Location: Adm. Bldg., 2nd FL,Cust. Closet Bay C32 Appearance: white,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 2% Other - 98%
Lab ID #: 25653-06 Client #: 6 Material: Mastic Under Wood Flooring Location: Admin. Bldg., 2nd Floor, Bay A-32 Appearance: black,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-07 Client #: 7 Material: Mastic Under Wood Flooring Location: Admin. Bldg. 2nd FL, Bay A-31 Appearance: black,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-08 Client #: 8 Material: Mastic Under Wood Flooring Location: Admin. Bldg. 2nd FL,C-29 Engineering Conf Appearance: black,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-09 Client #: 9 Material: Mastic Under Wood Flooring Location: Admin. Bldg. 2nd FL, C-27 Quality Support Appearance: black,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-10 Client #: 10 Material: Mastic Under Wood Flooring Location: Admin. Bldg. 2nd FL,C-26 Quality Support Appearance: black,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-11 Client #: 11 Material: 12x12 Tan Floor Tile Location: Admin. Bldg. 2nd FL,C-32 Next to Wom.RR Appearance: beige,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-11a Client #: 11 Material: Mastic Location: Admin. Bldg. 2nd FL,C-32 Next to Wom.RR Appearance: beige,fibrous,homogenous Layers: 2 of 2	Asbestos Present: **YES** Chrysotile - 5%	Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-12 Client #: 12 Material: 12x12 Tan Floor Tile Location: Admin. Bldg, 2nd FL, C-33 Next to Mens RR Appearance: beige,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-12a Client #: 12 Material: Mastic Location: Admin. Bldg, 2nd FL, C-33 Next to Mens RR Appearance: black,fibrous,homogenous Layers: 2 of 2	Asbestos Present: **YES** Chrysotile - 5%	Other - 95%
Lab ID #: 25653-13 Client #: 13 Material: 12x12 Tan Floor Tile Location: Admin. Bldg., lst FL, by Benefits/Bay A-28 Appearance: beige,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-13a Client #: 13 Material: Mastic Location: Admin. Bldg., lst FL, by Benefits/Bay A-28 Appearance: black,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-14 Client #: 14 Material: 12x12 Tan Floor Tile Location: Admin. Bldg., lst FL,Hall by UAW Off.Bay A28 Appearance: beige,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25643-14a Client #: 14 Material: Mastic Location: Admin. Bldg., lst FL,Hall by UAW Off.Bay A28 Appearance: black,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-15 Client #: 15 Material: 12x12 Tan Floor Tile Location: Admin. Bldg, lst FL, Salary Emp.Off.BayA21 Appearance: beige,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-15a Client #: 15 Material: Mastic Location: Admin. Bldg, lst FL, Salary Emp.Off.BayA21 Appearance: black,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-16 Client #: 16 Material: 12x12 Black Floor Tile Location: Main Plant lst FL Bay F-38 Portable Office Appearance: black,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-16a Client #: 16 Material: Mastic Location: Main Plant lst FL Bay F-38 Portable Office Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-17 Client #: 17 Material: 12x12 Black Floor Tile Location: Main Plant lst FL Bay F-24 Portable Office Appearance: black,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-17a Client #: 17 Material: Mastic Location: Main Plant lst FL Bay F-24 Portable Office Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-18 Client #: 18 Material: 12x12" Black Floor Tile Location: Main Plant lst FL Bay N-21 Portable Office Appearance: black,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-18a Client #: 18 Material: Mastic Location: Main Plant lst FL Bay N-21 Portable Office Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-19 Client #: 19 Material: Cork Ceiling Insulation Location: Adm Bldg Basement Bay B-14 EDS Vault N Appearance: brown,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Reported: 12/02/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-19a Client #: 19 Material: Tar Location: Adm Bldg Basement Bay B-14 EDS Vault N Appearance: black,fibrous,homogenous Layers: 2 of 2	Asbestos Present: **YES** Chrysotile - 5%	Other - 95%
Lab ID #: 25653-20 Client #: 20 Material: Cork Ceiling Insulation Location: Adm Bldg Bsmt. Bay B-14 EDS Vault Middle Appearance: brown,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-20a Client #: 20 Material: Tar Location: Adm Bldg Bsmt. Bay B-14 EDS Vault Middle Appearance: Layers: 2 of 2	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-21 Client #: 21 Material: Cork Ceiling Insulation Location: Adm Bldg Bsmt Bay B-14 EDS Vault South Appearance: brown,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-21a Client #: 21 Material: Tar Location: Adm Bldg Bsmt Bay B-14 EDS Vault South Appearance: Layers: 2 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 25653-22 Client #: 22 Material: Condensate Tank Insulation Location: Main Plant Tunnel Bay N-21 South Face Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Mineral Wool - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-23 Client #: 23 Material: Condensate Tank Insulation Location: Main Plant Tunnel Bay N-21 North Face Appearance: beige,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Mineral Wool - 10% Fiberglass - 20% Other - 70%
Lab ID #: 25653-24 Client #: 24 Material: Condensate Tank Insulation Location: Main Plant Tunnel Bay N-21 North Face Appearance: beige,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Mineral Wool - 10% Fiberglass - 20% Other - 70%
Lab ID #: 25653-25 Client #: 25 Material: 12" Mudded Elbow on Fiberglass Pipe Location: Main Plant Tunnel Bay N-14 Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Mineral Wool - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-26 Client #: 26 Material: 12" Mudded Elbow on Fiberglass Pipe Location: Main Plant Tunnel Bay N-14 Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Mineral Wool - 20% Other - 80%
Lab ID #: 25653-27 Client #: 27 Material: 12" Mudded Elbow on Fiberglass Pipe Location: Main Plant Tunnel Bay N-14 Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Mineral Wool - 20% Other - 80%
Lab ID #: 25653-28 Client #: 28 Material: Roofing Material Location: Main Plant Roof Bay G-19 Appearance: brown,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 30% Fiberglass - 20% Other - 50%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-29 Client #: 29 Material: Roofing Material Location: Main Plant Roof Bay L-21 Appearance: black,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 25653-30 Client #: 30 Material: Roofing Material Location: Main Plant Roof Bay N-14 Appearance: black,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **YES** Chrysotile - 5%	Cellulose - 10% Perlite - 5% Other - 80%
Lab ID #: 25653-31 Client #: 31 Material: Roofing Material Location: Main Plant Roof Bay L-7 Appearance: Layers: of	Asbestos Present: NOT ANALYZED	

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Date Reported: 12/02/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-32 Client #: 32 Material: Roofing Material Location: Main Plant Roof Bay F-15 Appearance: Layers: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 25653-33 Client #: 33 Material: Roofing Material Location: Main Plant Roof Bay E-10 Appearance: Layers: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 25653-34 Client #: 34 Material: Roofing Material Location: Main Plant Roof Bay D-16 Appearance: Layers: of	Asbestos Present: NOT ANALYZED	

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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NVLAP # 102118

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: GM/Moraine, OH
Project # 0811-3584

Report To:
Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Road, Suite 111E
Livonia, MI 48152

ARL Report # 08-25653
Date Collected: 11/19/08
Date Received: 12/01/08
Date Analyzed: 12/02/08
Date Reported: 12/02/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-35 Client #: 35 Material: Roof Flashing Location: Main Plant Roof Bay G-19 Appearance: black,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 30% Other - 60%
Lab ID #: 25653-36 Client #: 36 Material: Roof Flashing Location: Main Plant Roof Bay L-21 Appearance: black,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **YES** Chrysotile - 10%	Cellulose - 20% Other - 70%
Lab ID #: 25653-37 Client #: 37 Material: Roof Flashing Location: Main Plant Roof Bay N-14 Appearance: Layers: of	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-38 Client #: 38 Material: Roof Flashing Location: Main Plant Roof Bay L-7 Appearance: Layers: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 25653-39 Client #: 39 Material: Roof Flashing Location: Main Plant Roof Bay F-15 Appearance: Layers: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 25653-40 Client #: 40 Material: Roof Flashing Location: Main Plant Roof Bay E-10 Appearance: Layers: of	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-41 Client #: 41 Material: Roof Flashing Location: Main Plant Roof Bay D-16 Appearance: Layers: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 25653-42 Client #: 42 Material: 12x12 Black Floor Tiles Location: Main Plant Purchase Off. lst FL Bay N-27 Appearance: black,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-42a Client #: 42 Material: Mastic Location: Main Plant Purchase Off. lst FL Bay N-27 Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-43 Client #: 43 Material: 12x12 Black Floor Tile Location: Main Plant lst FL Mez, Body Shop Offices, N25 Appearance: black,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-43a Client #: 43 Material: Mastic Location: Main Plant lst FL Mez, Body Shop Offices, N25 Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-44 Client #: 44 Material: 12x12 Black Floor Tile Location: Main Plant lst FL Mez, Body Shop Off. N-23 Appearance: black,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-44a Client #: 44 Material: Mastic Location: Main Plant lst FL Mez, Body Shop Off. N-23 Appearance: black,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-45 Client #: 45 Material: 12x12 Grey Floor Tile Location: Adm. Bldg., 3rd FL Room #304 Appearance: grey,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-45a Client #: 45 Material: Mastic Location: Adm. Bldg., 3rd FL Room #304 Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-46 Client #: 46 Material: 12x12 Grey Floor Tile Location: Main Plant lst FL Mezz Bay J-52 East End Appearance: grey,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-46a Client #: 46 Material: Mastic Location: Main Plant lst FL Mezz Bay J-52 East End Appearance: black,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-47 Client #: 47 Material: 12x12 Grey Floor Tile Location: Main Plant lst FL Mezz Bay J-52 West End Appearance: grey,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-47a Client #: 47 Material: Mastic Location: Main Plant lst FL Mezz Bay J-52 West End Appearance: black,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-48 Client #: 48 Material: 12" Pipe Insulation Location: Pump House No. 4, lst Floor N End Appearance: yellow,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Other - 85%
Lab ID #: 25653-49 Client #: 49 Material: 12" Pipe Insulation Location: Pump House No. 4, lst Floor N End Appearance: yellow,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Other - 85%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-50 Client #: 50 Material: 12" Pipe Insulation Location: Pump House No. 4, lst Floor N End Appearance: yellow,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Other - 85%
Lab ID #: 25653-51 Client #: 51 Material: Drywall Location: N Haulaway Bldg., lst FL Men's Restroom Appearance: beige,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 25653-52 Client #: 52 Material: Drywall Location: N Haulaway Bldg lst FL Women's Restroom Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 5% Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-53 Client #: 53 Material: Drywall Location: N Haulaway Bldg lst FL Breakroom Appearance: white,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Other - 85%
Lab ID #: 25653-54 Client #: 54 Material: Joint Compound Location: N Haulaway Bldg lst FL Men's Restroom Appearance: white,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-55 Client #: 55 Material: Joint Compound Location: N Haulaway Bldg lst FL Womens Restroom Appearance: white,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-56 Client #: 56 Material: Joint Compound Location: N Haulaway Bldg lst FL, Breakroom Appearance: white,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 25653-57 Client #: 57 Material: 2x4' Dotted Ceiling Panels Location: N Haulaway Bldg lst FL, Breakroom Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 30% Mineral Wool - 30% Perlite - 20% Other - 20%
Lab ID #: 25653-58 Client #: 58 Material: 2x4' Dotted Ceiling Panels Location: N Haulaway Bldg lst FL, E to W Hallway Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 30% Mineral Wool - 30% Perlite - 20% Other - 20%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-59 Client #: 59 Material: 2x4' Dotted Ceiling Panels Location: N Haulaway Bldg lst FL Dispatch Office Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 30% Mineral Wool - 30% Perlite - 20% Other - 20%
Lab ID #: 25653-60 Client #: 60 Material: Acoustical Ceiling Location: CVO Office lst FL, Men's Restroom S End Appearance: white,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 50% Other - 50%
Lab ID #: 25633-61 Client #: 61 Material: Acoustical Ceiling Location: CVO Office lst FL Storage Office Appearance: white,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 50% Other - 50%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-62 Client #: 62 Material: Acoustical Ceiling Location: CVO Office lst FL, SW Office Appearance: white,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 40% Fiberglass - 5% Other - 55%
Lab ID #: 25653-63 Client #: 63 Material: Drywall Location: CVO Office lst FL, Men's Restroom S End Appearance: white,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 25653-64 Client #: 64 Material: Drywall Location: CVO Office lst FL, Storage Office Appearance: white,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 40% Fiberglas - 5% Other - 55%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-65 Client #: 65 Material: Drywall Location: CVO Office lst FL, SW Office Appearance: white,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 40% Fiberglass - 5% Other - 55%
Lab ID #: 25653-66 Client #: 66 Material: 4" Grey Plastic Baseboard Location: CVO Office, lst FL, Breakroom Appearance: black/white,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-66a Client #: 66 Material: Mastic Location: CVO Office, lst FL, Breakroom Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-67 Client #: 67 Material: 4" Grey Plastic Baseboard Location: CVO Office, lst FL, Storage Office Appearance: black/white,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-67a Client #: 67 Material: Mastic Location: CVO Office, lst FL, Storage Office Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-68 Client #: 68 Material: 4" Grey Plastic Baseboard Location: CVO Office lst FL, Conference Room Appearance: black/white,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-68a Client #: 68 Material: Mastic Location: CVO Office lst FL, Conference Room Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-69 Client #: 69 Material: 12x12" Light Gray Floor Tile Location: CVO Office, lst FL Men's Restroom NE Cr Appearance: grey,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-70 Client #: 70 Material: 12x12" Light Gray Floor Tile Location: CVO Office, lst FL, Men's Restroom SW Cr. Appearance: grey,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr. Laboratory Director

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NVLAP # 102118

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: GM/Moraine, OH
Project # 0811-3584

Report To:
Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Road, Suite 111E
Livonia, MI 48152

ARL Report # 08-25653
Date Collected: 11/19/08
Date Received: 12/01/08
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Date Reported: 12/02/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-70a Client #: 70 Material: Mastic Location: CVO Office, lst FL, Men's Restroom SW Cr. Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-71 Client #: 71 Material: 12x12" Lt. Gray Floor Tile Location: CVO Office, lst FL, Womens Restrm E Wall Appearance: grey,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-72 Client #: 72 Material: Vibration Damper Location: Emergency Generator #1 Bldg lst FL, E. Face Appearance: white,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 75% Other - 25%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-73 Client #: 73 Material: Vibration Damper Location: Emergency Generator #1 Bldg, lst FL W face Appearance: white,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 75% Other - 25%
Lab ID #: 25653-74 Client #: 74 Material: Vibration Damper Location: Emergency Generator #2 Bldg. lst Floor Appearance: white,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 75% Other - 25%
Lab ID #: 25653-75 Client #: 75 Material: 10" Pipe Insulation Location: Emergency Generator #1 Bldg. lst Floor Appearance: white,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 5% Mineral Wool - 10% Other - 85%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-76 Client #: 76 Material: 10" Pipe Insulation Location: Emergency Generator #1 Bldg. lst Floor Appearance: white,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 5% Mineral Wool - 10% Fiberglass - 10% Other - 75%
Lab ID #: 25653-77 Client #: 77 Material: 10" Pipe Insulation Location: Emergency Generator #2 Bldg. lst Floor Appearance: grey,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 5% Mineral Wool - 10% Fiberglass - 10% Other - 75%
Lab ID #: 25653-78 Client #: 78 Material: 12x12" Black Floor Tile Location: Gate House #6 NE End Appearance: black,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-78a Client #: 78 Material: Mastic Location: Gate House #6, NE End Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-79 Client #: 79 Material: 12x12" Black Floor Tile Location: Gate House #6, SE End Appearance: black,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-79a Client #: 79 Material: Mastic Location: Gate House #6, SE End Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Reported: 12/02/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-80 Client #: 80 Material: 12x12" Black Floor Tile Location: Gate House #6 SW End Appearance: black,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-81 Client #: 81 Material: 2x2' Ceiling Tiles - Fissured Location: Gate House #5, West End Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 30% Mineral Wool - 20% Perlite - 30% Other - 20%
Lab ID #: 25653-82 Client #: 82 Material: 2x2' Ceiling Tiles - Fissured Location: Gate House #4, North End Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Mineral Wool - 80% Other - 20%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-83 Client #: 83 Material: 2x2' Ceiling Tiles Fissured Location: Gate House #4, South End Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Mineral Wool - 80% Other - 20%
Lab ID #: 25653-84 Client #: 84 Material: Spray-on Ceiling Location: Wastewater Treatment Plant, lst FL, NE Cor. Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Vermiculite - 20% Other - 60%
Lab ID #: 25653-85 Client #: 85 Material: Spray-on Ceiling Ins. Location: Wastewater Treatment Plant, 2nd FL NE Cr. Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Vermiculite - 20% Other - 60%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-86 Client #: 86 Material: Spray-on Ceiling Insulation Location: Wastewater Treatment Plant 3rd FL NE Cr. Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Vermiculite - 20% Other - 60%
Lab ID #: 25653-87 Client #: 87 Material: Roof Material Location: WWTP 2nd FL, Roof NE Corner Appearance: black,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Mineral Wool - 10% Fiberglass - 20% Other - 50%
Lab ID #: 25653-88 Client #: 88 Material: Roof Material Location: WWTP 2nd FL, Roof SE Corner Appearance: black,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Mineral Wool - 10% Fiberglass - 20% Other - 50%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-89 Client #: 89 Material: Roof Material Location: WWTP 2nd Floor Roof, SW Corner Appearance: black,fibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 20% Other - 60%
Lab ID #: 25653-90 Client #: 90 Material: Roof Flashing Location: WWTP 2nd Floor Roof NE Corner Appearance: black,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **YES** Chrysotile - 20%	Cellulose - 10% Other - 70%
Lab ID #: 25653-91 Client #: 91 Material: Roof Flashing Location: WWTP 2nd Floor Roof, SE Corner Appearance: Layers: of	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-92 Client #: 92 Material: Roof Flashing Location: WWTP 2nd FL Roof, SW Corner Appearance: Layers: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 25653-93 Client #: 93 Material: 12x12" Black Floor Tile Location: Compressor Bldg, lst FL E Wall Center Appearance: black,nonfibrous,homogenous Layers: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-93a Client #: 93 Material: Tile Location: Compressor Bldg, lst FL E Wall Center Appearance: white,nonfibrous,homogenous Layers: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-93b Client #: 93 Material: Mastic Location: Compressor Bldg, lst FL E Wall Center Appearance: yellow,nonfibrous,homogenous Layers: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-94 Client #: 94 Material: 12x12" Black Floor Tile Location: Compressor Bldg, lst FL E Wall Center Appearance: black,nonfibrous,homogenous Layers: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-94a Client #: 94 Material: Mastic Location: Compressor Bldg, lst FL E Wall Center Appearance: yellow,nonfibrous,homogenous Layers: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-94b Client #: 94 Material: Tile Location: Compressor Bldg, lst FL E Wall Center Appearance: beige,nonfibrous,homogenous Layers: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-94c Client #: 94 Material: Mastic Location: Compressor Bldg, lst FL E Wall Center Appearance: yellow,nonfibrous,homogenous Layers: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-95 Client #: 95 Material: 12x12" Black Floor Tile Location: Compressor Bldg lst FL, E Wall Center Appearance: black,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-95a Client #: 95 Material: Mastic Location: Compressor Bldg lst FL, E Wall Center Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-96 Client #: 96 Material: Window Glazing Location: Compressor Bldg., lst FL, E Wall Center Appearance: grey,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-97 Client #: 97 Material: Window Glazing Location: Compressor Bldg., lst FL,Northwest End Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **YES** Chrysotile - 2%	Other - 98%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-98 Client #: 98 Material: Window Glazing Location: Compressor Bldg. lst FL, Southwest End Appearance: Layers: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 25653-99 Client #: 99 Material: Roof Material Location: Compressor Bldg. Roof NW End Appearance: black,nonfibrous,homogenous Layers: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-99a Client #: 99 Material: Layer 2 - roof Location: Compressor Bldg. Roof NW End Appearance: black,fibrous,homogenous Layers: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-99b Client #: 99 Material: Roof Material - Fluffy Layer Location: Compressor Bldg. Roof, NW End Appearance: beige,fibrous,homogenous Layers: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 40% Perlite - 30% Other - 30%
Lab ID #: 25653-100 Client #: 100 Material: Roof Material - Layer 1 Location: Compressor Bldg, Roof NE End Appearance: black,nonfibrous,homogenous Layers: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-100a Client #: 100 Material: Layer 2 Location: Compressor Bldg, Roof NE End Appearance: black,fibrous,homogenous Layers: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-100a Client #: 100 Material: Roof Material - Fluffy Layer Location: Compressor Bldg, Roof NE End Appearance: beige,fibrous,homogenous Layers: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 40% Perlite - 30% Other - 30%
Lab ID #: 25653-101 Client #: 101 Material: Roof Material - Layer 1 Location: Compressor Bldg. Roof East Wall Center Appearance: black,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25653-101a Client #: 101 Material: Roof Material - Layer 2 Location: Compressor Bldg. Roof East Wall Center Appearance: black,fibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

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Robert T. Letarte Jr., Laboratory Director

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NVLAP # 102118

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: GM/Moraine, OH
Project # 0811-3584

Report To:
Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Road, Suite 111E
Livonia, MI 48152

ARL Report # 08-25653
Date Collected: 11/19/08
Date Received: 12/01/08
Date Analyzed: 12/02/08
Date Reported: 12/02/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-102 Client #: 102 Material: Roof Flashing Location: Compressor Bldg. NW End Appearance: black,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 20% Other - 70%
Lab ID #: 25653-103 Client #: 103 Material: Roof Flashing Location: Compressor Bldg. NE End Appearance: black,fibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 25653-103a Client #: 103 Material: Roof Flashing - Layer 2 Location: Compressor Bldg. NE End Appearance: black,fibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 20% Other - 80%

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Date Reported: 12/02/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-104 Client #: 104 Material: Roof Flashing Location: Compressor Bldg. Roof East Wall Center Appearance: black,fibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 10% Other - 70%
Lab ID #: 25653-104a Client #: 104 Material: Layer 2 Location: Compressor Bldg. Roof East Wall Center Appearance: black,fibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 25653-105 Client #: 105 Material: Roof Material Location: Gate #5, Roof, SW Corner Appearance: black,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%

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Date Analyzed: 12/02/08
Date Reported: 12/02/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-106 Client #: 106 Material: Roof Material Location: Gate #4, Roof NW Corner Appearance: black,fibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 25653-106a Client #: 106 Material: Fluffy Layer - Roof Material Location: Gate #4, Roof NW Corner Appearance: beige,fibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 40% Perlite - 20% Other - 40%
Lab ID #: 25653-107 Client #: 107 Material: Roof Material Location: Emergency Generator #2 Roof SE Corner Appearance: black,fibrous,homogenous Layers: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

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Date Analyzed: 12/02/08
Date Reported: 12/02/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-107a Client #: 107 Material: Roof Material - Smooth Layer Location: Emergency Generator #2, Roof SE Corner Appearance: black,fibrous,homogenous Layers: 2 of 3	Asbestos Present: **YES** Chrysotile - 10%	Other - 90%
Lab ID #: 25653-107b Client #: 107 Material: Fluffy Layer - Roof Material Location: Emergency Generator #2, Roof SE Corner Appearance: beige,fibrous,homogenous Layers: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 40% Perlite - 20% Other - 40%
Lab ID #: 25653-108 Client #: 108 Material: Roof Flashing Location: Gate #5 Roof SW Corner Appearance: black,fibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

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Date Analyzed: 12/02/08
Date Reported: 12/02/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-108a Client #: 108 Material: Roof Flashing - Layer 2 Location: Gate #5, Roof SW Corner Appearance: black,fibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 25653-109 Client #: 109 Material: Roof Flashing Location: Gate #4 Roof NW Corner Appearance: black,fibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 25653-109a Client #: 109 Material: Roof Flashing - Layer 2 Location: Gate #4, Roof NW Corner Appearance: black,fibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

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Date Received: 12/01/08
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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-110 Client #: 110 Material: Roof Flashing Location: Gate #4, Roof NE Corner Appearance: black,fibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 25653-110a Client #: 110 Material: Roof Flashing - Layer 2 Location: Gate #4, Roof NE Corner Appearance: black,fibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 25653-111 Client #: 111 Material: Door Seal, Freight Elevator Location: Main Plant lst FL, Bay C-34 Appearance: black,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%

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ARL Report # 08-25653
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Date Analyzed: 12/02/08
Date Reported: 12/02/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25653-112 Client #: 112 Material: Door Seal Freight Elevator Location: Main Plant, 2nd FL Bay C-34 Appearance: black,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **YES** Chrysotile - 20%	Cellulose - 10% Other - 70%
Lab ID #: 25653-113 Client #: 113 Material: Door Seal Freight Elevator Location: Main Plant, lst Floor Bay C-11 Appearance: Layers: of	Asbestos Present: NOT ANALYZED	
Lab ID #: Client #: Material: Location: Appearance: Layers: of	Asbestos Present:	

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ARL Report # 08-25710
Date Collected: 12/05/08
Date Received: 12/10/08
Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-01 Client #: 114 Material: Ceiling Spray-On Location: 1st Fl., Quality Control Garage, NW End Appearance: beige,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Fiberglass - 15% Other - 70%
Lab ID #: 25710-02 Client #: 115 Material: Ceiling Spray-On Location: 1st Fl., Quality Control Garage, SW End Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Fiberglass - 15% Other - 70%
Lab ID #: 25710-03 Client #: 116 Material: Ceiling Spray-On Location: 1st Fl., Quality Control Garage, SE End Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Fiberglass - 15% Other - 70%

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ARL Report # 08-25710
Date Collected: 12/05/08
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Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-04 Client #: 117 Material: Ceiling Spray-On Location: 1st Fl., Quality Control Garage, NE End Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Fiberglass - 15% Other - 70%
Lab ID #: 25710-05 Client #: 118 Material: Ceiling Spray-On Location: 1st Fl., Quality Control Garage, Center Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Fiberglass - 15% Other - 70%
Lab ID #: 25710-06 Client #: 119 Material: Plaster Walls Location: 2nd Fl.,Women's Restroom,Bay C-32,S. Wall Appearance: grey,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-07 Client #: 120 Material: Plaster Walls Location: 2nd Fl., S. Stairway Bay B-14 Appearance: grey,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-07a Client #: 120 Material: Mortar Location: 2nd Fl., S. Stairway Bay B-14 Appearance: grey,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-08 Client #: 121 Material: Plaster Walls Location: 2nd Fl., Hallway Bay B-23 Appearance: white,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-08a Client #: 121 Material: Mortar Location: 2nd Fl., Hallway Bay B-23 Appearance: grey,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-09 Client #: 122 Material: Plaster Ceiling Location: 1st Fl., by S. Freight Elevator, Bay B-14 Appearance: white,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-10 Client #: 123 Material: Plaster Ceiling Location: 1st Fl.Landing to Bsmt,S.Stairway, Bay B-14 Appearance: white,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Analyzed: 12/11/08
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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-10a Client #: 123 Material: Mortar Location: 1st Fl.Landing to Bsmt,S.Stairway, Bay B-14 Appearance: grey,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-11 Client #: 124 Material: Plaster Ceiling Location: 2nd Fl., S. Stairway Bay B-14 Appearance: white,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-11a Client #: 124 Material: Mortar Location: 2nd Fl., S. Stairway Bay B-14 Appearance: grey,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Received: 12/10/08
Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-12 Client #: 125 Material: Plaster Ceiling Location: 2nd Fl. W. Stairway, Bay B-28 Appearance: white,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-12a Client #: 125 Material: Mortar Location: 2nd Fl. W. Stairway, Bay B-28 Appearance: grey,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-13 Client #: 126 Material: Plaster Ceiling Location: 3rd Fl., Votec Dept. Stairway to Air Plenum Appearance: white,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-13a Client #: 126 Material: Mortar Location: 3rd Fl., Votec Dept. Stairway to Air Plenum Appearance: grey,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-14 Client #: 127 Material: White/Red/Blue Linoleum Location: 1st Fl., Medical Dept., E. Office Hallway Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 15% Other - 85%
Lab ID #: 25710-15 Client #: 128 Material: White/Red/Blue Linoleum Location: 1st Fl. Medical Dept. S. of Quiet Rm. Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 15% Other - 85%

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ARL Report # 08-25710
Date Collected: 12/05/08
Date Received: 12/10/08
Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-16 Client #: 129 Material: White/Gray Linoleum Location: 1st Fl. Medical Dept. W. Side, SW End Appearance: grey,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-16a Client #: 129 Material: Mastic Location: 1st Fl. Medical Dept. W. Side, SW End Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-17 Client #: 130 Material: White/Gray Linoleum Location: 1st Fl. Medical Dept. W. Side, SE End Appearance: grey,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing < 1% should be tested with SEM or TEM. The above certificate of analysis relates only to the samples tested and to insure the integrity of the results may only be reproduced in full. The above certificate of analysis may not be used by the client to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Laboratories is not responsible for the accuracy of the results when requested to physically separate and analyze layered samples. Liability limited to cost of analysis.

NVLAP # 102118

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: GM Moraine, Ohio
Project # 0811-3584
Admin. Building

Report To:
Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt, Ste. 111E
Livonia, MI 48152

ARL Report # 08-25710
Date Collected: 12/05/08
Date Received: 12/10/08
Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-17a Client #: 130 Material: Mastic Location: 1st Fl. Medical Dept. W. Side, SE End Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: No Asbestos Observed	Other - 100%
Lab ID #: 25710-18 Client #: 131 Material: White/Gray Linoleum Location: 1st Fl. Medical Dept. W. Side, NE End Appearance: grey,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: No Asbestos Observed	Other - 100%
Lab ID #: 25710-18a Client #: 131 Material: Mastic Location: 1st Fl. Medical Dept. W. Side, NE End Appearance: yellow,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project: GM Moraine, Ohio
Project # 0811-3584
Admin. Building

Report To:
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19500 Middlebelt, Ste. 111E
Livonia, MI 48152

ARL Report # 08-25710
Date Collected: 12/05/08
Date Received: 12/10/08
Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-19 Client #: 132 Material: White/Gray Linoleum Location: 1st Fl. Medical Dept. W. Side, NW End Appearance: grey,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-19a Client #: 132 Material: Mastic Location: 1st Fl. Medical Dept. W. Side, NW End Appearance: black,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-20 Client #: 133 Material: 12x12 Green Floor Tile Location: 1st Fl., Salaried Personal Office, SE End Appearance: grey,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Project: GM Moraine, Ohio
Project # 0811-3584
Admin. Building

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ARL Report # 08-25710
Date Collected: 12/05/08
Date Received: 12/10/08
Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-20a Client #: 133 Material: Mastic Location: 1st Fl., Salaried Personal Office, SE End Appearance: black,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-21 Client #: 134 Material: 12x12 Green Floor Tile Location: 1st Fl., Salaried Personal Office, NE End Appearance: grey,nonfibrous,homogenous Layers: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-21a Client #: 134 Material: Mastic Location: 1st Fl., Salaried Personal Office, NE End Appearance: black,nonfibrous,homogenous Layers: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project: GM Moraine, Ohio
Project # 0811-3584
Admin. Building

Report To:
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Livonia, MI 48152

ARL Report # 08-25710
Date Collected: 12/05/08
Date Received: 12/10/08
Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-22 Client #: 135 Material: 1x1 Ceiling Tile Location: 1st Fl., Cafeteria SE End Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Mineral Wool - 40% Other - 60%
Lab ID #: 25710-23 Client #: 136 Material: 1x1 Ceiling Tile Location: 1st Fl., Cafeteria SW End Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Mineral Wool - 40% Other - 60%
Lab ID #: 25710-24 Client #: 137 Material: 1x1 Ceiling Tile Location: 1st Fl., Cafeteria NE End Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Mineral Wool - 40% Other - 60%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Project: GM Moraine, Ohio
Project # 0811-3584
Admin. Building

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ARL Report # 08-25710
Date Collected: 12/05/08
Date Received: 12/10/08
Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-25 Client #: 138 Material: 1x1 Ceiling Tile Location: 1st Fl., Cafeteria NW End Appearance: grey,fibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Mineral Wool - 40% Other - 60%
Lab ID #: 25710-26 Client #: 139 Material: Mastic Under Carpet Location: 2nd Fl., Vehicle Assembly Office, Bay B-27 Appearance: black,nonfibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-27 Client #: 140 Material: Mastic Under Carpet Location: 2nd Fl., Telephone Closet, Bay B-26 Appearance: black,nonfibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Project: GM Moraine, Ohio
Project # 0811-3584
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ARL Report # 08-25710
Date Collected: 12/05/08
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Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-28 Client #: 141 Material: Mastic Under Carpet Location: 2nd Fl., Material Dept., Bay B-24 Appearance: black,nonfibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-29 Client #: 142 Material: Mastic Under Carpet Location: 2nd Fl., Material Purchasing, Bay B-21 Appearance: black,nonfibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-30 Client #: 143 Material: Mastic Under Carpet Location: 2nd Fl., Financial Dept., Bay B-19 Appearance: black,nonfibrous,nonhomogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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NVLAP # 102118

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: GM Moraine, Ohio
Project # 0811-3584
Admin. Building

Report To:
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19500 Middlebelt, Ste. 111E
Livonia, MI 48152

ARL Report # 08-25710
Date Collected: 12/05/08
Date Received: 12/10/08
Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-31 Client #: 144 Material: 12x12 Blue Floor Tile Location: 3rd Fl., Votec Dept., Robotic Rm. 300, SW Appearance: blue,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-32 Client #: 145 Material: 12x12 Blue Floor Tile Location: 3rd Fl., Votec Dept., Robotic Rm. 300, SE Appearance: blue,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-33 Client #: 146 Material: 12x12 Blue Floor Tile Location: 3rd Fl., Votec Dept., Robotic Rm. 300, NE Appearance: blue,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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NVLAP # 102118

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: GM Moraine, Ohio, Admin. Bldg.
Project # 0811-3584
SUPPLEMENTAL REPORT

Report To:
Mr. Nick Kobrossi
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ARL Report # 08-25710
Date Collected: 12/05/08
Date Received: 12/10/08
Date Analyzed: 12/11/08
Date Reported: 12/11/08

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 25710-31a Client #: 144 Material: Mastic Location: 3rd FL, Votec Dept., Robotic Rm. 300, SW Appearance: yellow,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-32a Client #: 145 Material: Mastic Location: 3rd FL, Votec Dept., Robotic Rm. 300, SE Appearance: yellow,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 25710-33a Client #: 146 Material: Mastic Location: 3rd FL, Votec Dept., Robotic Rm. 300, NE Appearance: yellow,nonfibrous,homogenous Layers: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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NVLAP # 102118

EMSL Analytical, Inc.

212 South Wagner Road
Ann Arbor, MI 48103
Phone: (734) 668-6810 · Fax: (734) 668-8532

Attn.: Paul Wiseman
Conestoga-Rovers & Associates, Inc.
11100 Metro Airport Center Drive
Suite 160
Romulus, MI 48174

Friday, June 02, 2000

Ref Number: MI001643

REC'D CRA
JUN 13 2000
SDG: 6

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
EKS-029		Grey/Beige Fibrous Heterogeneous	Teased	None Detected	30% Cellulose 30% Glass	30% Perlite 10% Other
EKS-030		Grey Fibrous Heterogeneous	Teased	40% Chrysotile	3% Cellulose	57% Other
EKS-031				Not Analyzed		
EKS-032		Blue/Yellow Fibrous Heterogeneous	Teased	None Detected	30% Cellulose 60% Glass	10% Other
EKS-033		Silver/Yellow Fibrous Heterogeneous	Teased	None Detected	20% Cellulose 50% Glass	30% Other
EKS-034		Blue/Black Fibrous Heterogeneous	Teased	None Detected	80% Cellulose	20% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

*NY samples analyzed by ELAP 198.1 Method.

Jane Zhang
Analyst

Approved Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by EMSL of Michigan (NVLAP Air and Bulk #101046-0)

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Friday, June 02, 2000

Ref Number: MI001643

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrou
EKS-035		Black Fibrous Heterogeneous	Teased	None Detected		40%	Cellulose	60%	Other
EKS-036		Black Fibrous Heterogeneous	Teased	None Detected		20%	Cellulose	80%	Other
EKS-037		Black Fibrous Heterogeneous	Teased	None Detected		50%	Cellulose	50%	Other
EKS-038		Black Fibrous Heterogeneous	Teased	None Detected		20%	Cellulose	80%	Other
EKS-039		Black Fibrous Heterogeneous	Teased	None Detected		25%	Cellulose	75%	Other
EKS-040		Black Fibrous Heterogeneous	Teased	None Detected		30%	Cellulose	70%	Other

omments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

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Jane Zhang
Analyst

Approved
Signatory

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Analysis performed by EMSL of Michigan (NVLAP Air and bulk #101048-4,)

EMSL Analytical, Inc.
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Friday, June 02, 2000

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POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
EKS-041		Yellow/Grey Non-Fibrous Heterogeneous	Crushed	15% Chrysotile	2% Cellulose 2% Glass	81% Other
EKS-042		Yellow/Brown Fibrous Heterogeneous	Teased	None Detected	85% Cellulose	15% Other
EKS-043		Black/Grey Non-Fibrous Heterogeneous	Crushed	10% Chrysotile	3% Cellulose	87% Other
EKS-044				Not Analyzed		
EKS-045-A	White layer	White Non-Fibrous Heterogeneous	Crushed	None Detected		80% Ca Carbonate 20% Other
EKS-045-B	Grey layer	Grey Non-Fibrous Heterogeneous	Crushed	None Detected	2% Cellulose	98% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.
NY samples analyzed by ELAP 198.1 Method.

Jane Zhang
Analyst

Approved Signatory

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POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
KS-046-T	Tile	Grey Non-Fibrous Heterogeneous	Crushed	6% Chrysotile	2% Cellulose	92% Other
KS-046-M	Mastic	Black Non-Fibrous Heterogeneous	Teased	8% Chrysotile	2% Cellulose 2% Glass	88% Other
KS-047-T	Tile	Grey Non-Fibrous Heterogeneous	Crushed	8% Chrysotile	2% Cellulose 2% Glass	88% Other
KS-047-M	Mastic	Grey Non-Fibrous Heterogeneous	Teased	None Detected	5% Cellulose 5% Glass	90% Other
KS-048		Blue Non-Fibrous Heterogeneous	Crushed	None Detected		90% Ca Carbonate 10% Other
KS-049		Blue Non-Fibrous Heterogeneous	Crushed	None Detected		80% Ca Carbonate 20% Other

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so, "# of Layers" refers to number of separable subsamples.
IY samples analyzed by ELAP 198.1 Method.

Jane Zhang
Analyst

Approved
Signatory

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POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
EKS-050		Grey Non-Fibrous Heterogeneous	Crushed	None Detected	< 1% Cellulose	80% Ca Carbonate 20% Other
EKS-051-T	Tile	Grey Non-Fibrous Heterogeneous	Crushed	None Detected	2% Cellulose	88% Ca Carbonate 10% Other
EKS-051-M	Mastic	Brown Non-Fibrous Heterogeneous	Teased	None Detected	2% Cellulose	80% Ca Carbonate 18% Other
EKS-052		White/Brown Fibrous Heterogeneous	Teased	None Detected	30% Cellulose 60% Glass	10% Other
EKS-053-T	Tile	Tan Non-Fibrous Heterogeneous	Crushed	None Detected	2% Cellulose 2% Glass	30% Other 66% Ca Carbonate
EKS-053-M	Mastic	Black Non-Fibrous Heterogeneous	Teased	None Detected	25% Cellulose	75% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.
NY samples analyzed by ELAP 198.1 Method.

Jane Zhang
Analyst

Approved Signatory

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POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
EKS-054		Grey Fibrous Heterogeneous	Teased	18%	Chrysotile	2%	Cellulose	80%	Other
EKS-055				Not Analyzed					
EKS-056		White/Grey Fibrous Heterogeneous	Teased	None Detected		40% 30%	Cellulose Glass	30%	Other
EKS-057		White/Grey Fibrous Heterogeneous	Teased	None Detected		40% 25%	Cellulose Glass	35%	Other
EKS-058		White/Green Non-Fibrous Heterogeneous	Crushed	None Detected		3% 2%	Cellulose Glass	95%	Other
EKS-059-A	Wood chip	Brown Fibrous Heterogeneous	Teased	None Detected		90%	Cellulose	10%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Jane Zhang
Analyst

Approved
Signatory

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Analysis performed by EMSL of Michigan (NVLAP Air and Bulk #101048-4,)

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Friday, June 02, 2000

Ref Number: MI001643

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
EKS-059-B	Mastic	Black Non-Fibrous Heterogeneous	Teased		None Detected	25% 5%	Cellulose Glass	70%	Gypsum
EKS-060		White/Yellow Fibrous Heterogeneous	Teased		None Detected	70%	Cellulose	20% 10%	Ca Carbonate Other
EKS-061		White/Yellow Fibrous Heterogeneous	Teased		None Detected	80%	Glass	10% 10%	Ca Carbonate Other
EKS-062		White/Grey Fibrous Heterogeneous	Teased		None Detected	40% 20%	Cellulose Glass	40%	Other
EKS-063		White/Grey Fibrous Heterogeneous	Teased		None Detected	50% 20%	Cellulose Glass	30%	Other
EKS-064-T	Tile	Tan Non-Fibrous Heterogeneous	Crushed		None Detected	2%	Cellulose	88% 10%	Ca Carbonate Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Jane Zhang
Analyst

Approved
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POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS % Fibrous	NON-ASBESTOS % Non-Fibrous
KS-064-M	Mastic	Black Non-Fibrous Heterogeneous	Teased	15%	Chrysotile	5% Cellulose	80% Other
KS-065-A	Paper	Brown Fibrous Homogeneous	Teased	None Detected		90% Cellulose	10% Other
KS-065-B	Fiberglass	Yellow Fibrous Heterogeneous	Teased	None Detected		2% Cellulose 90% Glass	8% Other
KS-066		White Non-Fibrous Heterogeneous	Crushed	None Detected		2% Glass	98% Other
KS-067		White Non-Fibrous Heterogeneous	Crushed	None Detected		2% Cellulose	98% Other
KS-068		White Non-Fibrous Heterogeneous	Crushed	None Detected		2% Cellulose	98% Other

mments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately.
so, "# of Layers" refers to number of separable subsamples.
IY samples analyzed by ELAP 198.1 Method.

Jane Zhang
Analyst

Approved
Signatory

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POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
EKS-069		Grey Fibrous Heterogeneous	Teased	6% Chrysotile	4% Cellulose 40% Glass	50% Other
EKS-070				Not Analyzed		
EKS-071		White/Grey Fibrous Heterogeneous	Teased	None Detected	40% Cellulose 20% Glass	40% Other
EKS-072-T	Tile	Tan Non-Fibrous Heterogeneous	Crushed	None Detected		80% Ca Carbonate 20% Other
EKS-072-M	Mastic	Black Non-Fibrous Heterogeneous	Teased	6% Chrysotile	5% Cellulose	89% Other
KS-073-A	Linoleum	White Non-Fibrous Heterogeneous	Crushed	None Detected	2% Cellulose	70% Ca Carbonate 28% Other

omments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately.
so, "# of Layers" refers to number of separable subsamples.
NY samples analyzed by ELAP 198.1 Method.

Jane Zhang
Analyst

Approved
Signatory

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POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
EKS-073-B	Backing & mastic	Grey/Yellow Fibrous Heterogeneous	Teased/Crushed	40%	Chrysotile	20%	Cellulose	40%	Other
EKS-074		Grey Fibrous Heterogeneous	Teased	30%	Chrysotile	5%	Cellulose	65%	Other
EKS-075				Not Analyzed					
KS-076		Green Non-Fibrous Heterogeneous	Teased	None Detected		2% 3%	Cellulose Glass	95%	Other
KS-077		Green Non-Fibrous Heterogeneous	Teased	None Detected		3% 2%	Cellulose Glass	95%	Other
KS-078-A	Linoleum	Brown Non-Fibrous Heterogeneous	Crushed	None Detected		2%	Cellulose	78% 20%	Ca Carbonate Other

mments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately.
so, "# of Layers" refers to number of separable subsamples.
IY samples analyzed by ELAP 198.1 Method.

Jane Zhang
Analyst

Approved
Signatory

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Friday, June 02, 2000

Ref Number: MI001643

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
EKS-078-B	Backing & mastic	Grey/Black Fibrous Heterogeneous	Teased	60% Chrysotile	10% Cellulose	30% Other
EKS-079-T	Tile	Green Non-Fibrous Heterogeneous	Crushed	2% Chrysotile	5% Cellulose	93% Other
EKS-079-M	Mastic	Black Non-Fibrous Heterogeneous	Teased	5% Chrysotile	8% Cellulose 3% Glass	84% Other
EKS-080-T	Tile	Green Non-Fibrous Heterogeneous	Crushed	3% Chrysotile	2% Cellulose	95% Other
EKS-080-M	Mastic	Black Non-Fibrous Heterogeneous	Teased	4% Chrysotile	2% Cellulose 4% Glass	90% Other
EKS-081		White Fibrous Heterogeneous	Teased	3% Chrysotile 47% Amosite		50% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.
*NY samples analyzed by ELAP 198.1 Method.

Jane Zhang
Analyst

Approved Signatory

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POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
KS-082-A	Brown layer	Brown Fibrous Homogeneous	Teased	2%	Chrysotile	90%	Cellulose	8%	Other
KS-082-B	Grey layer	Grey Fibrous Heterogeneous	Teased	46%	Chrysotile	20%	Cellulose	34%	Other
KS-083-A	Brown layer			Not Analyzed					
KS-083-B	Grey layer			Not Analyzed					
S-084		Brown Fibrous Heterogeneous	Teased	None Detected		90%	Cellulose	10%	Other
S-085		White/Brown Fibrous Heterogeneous	Teased/Crushed	None Detected		15%	Cellulose	85%	Other

nments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately.
, "# of Layers" refers to number of separable subsamples.
Y samples analyzed by ELAP 198.1 Method.

Jane Zhang
Analyst

Approved
Signatory

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Ref Number: MI001643

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
EKS-086		Grey/White Fibrous Heterogeneous	Teased	None Detected	3% Cellulose 70% Glass	27% Other
EKS-087-A	Finish coat	White/Cream Non-Fibrous Heterogeneous	Crushed	None Detected		100% Other
EKS-087-B	Brown coat	Grey Non-Fibrous Heterogeneous	Crushed	None Detected		40% Perlite 60% Other
EKS-088-A	Linoleum	Blue/Black Non-Fibrous Heterogeneous	Crushed/Dissolved	< 1% Chrysotile	< 1% Cellulose	80% Ca Carbonate 20% Other
EKS-088-B	Backing	Grey Fibrous Heterogeneous	Teased	70% Chrysotile	10% Cellulose	20% Other
EKS-089		White/Tan Fibrous Heterogeneous	Teased/Crushed	None Detected	30% Cellulose 30% Glass	30% Perlite 10% Other

omments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately.
so, "# of Layers" refers to number of separable subsamples.
NY samples analyzed by ELAP 198.1 Method.

J. Park
Jong-Sim Park
Analyst

J. Park
Approved
Signatory

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Friday, June 02, 2000

Ref Number: MI001643

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
EKS-090		Tan/Grey Fibrous Heterogeneous	Teased/Ashed	25% Chrysotile	45% Cellulose	30% Other
EKS-091		Grayish Fibrous Heterogeneous	Teased/Ashed	None Detected	20% Cellulose	25% Mica 55% Other
EKS-092		Grayish/Tan Fibrous Heterogeneous	Teased/Ashed	None Detected	25% Cellulose	20% Mica 55% Other
EKS-093-A	Linoleum	Tan/Grey/Various Non-Fibrous Heterogeneous	Dissolved	< 1% Chrysotile	< 1% Cellulose	80% Ca Carbonate 20% Other
KS-093-B	Backing (no mastic)	Grey Fibrous Heterogeneous	Teased	70% Chrysotile	15% Cellulose	15% Other
KS-094-T	Tile	Tan/Brown Non-Fibrous Heterogeneous	Crushed/Dissolved	None Detected	< 1% Cellulose	80% Ca Carbonate 20% Other

mments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately.
so, "# of Layers" refers to number of separable subsamples.
IY samples analyzed by ELAP 198.1 Method.

J. Park
Jong-Sim Park
Analyst

J. Park
Approved
Signatory

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Analysis performed by EMSL of Michigan (NVLAP Air and Bulk #101046-4.)

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Friday, June 02, 2000

Ref Number: MI001643

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
-094-M	Mastic	Black Non-Fibrous Heterogeneous	Dissolved	None Detected	2% Cellulose	10% Quartz 88% Other
-095-T	Tile	Grey Non-Fibrous Heterogeneous	Crushed/Dissolved	None Detected		10% Quartz 90% Other
-095-M	Mastic	Brown/Black Non-Fibrous Heterogeneous	Dissolved	None Detected		100% Other
-096		Grayish Fibrous Heterogeneous	Teased	None Detected	5% Cellulose 80% Glass	15% Other
-097-A	Linoleum	Beige/Various Non-Fibrous Heterogeneous	Dissolved	None Detected		80% Ca Carbonate 20% Other
-097-B	Backing (no mastic)	Grey Fibrous Heterogeneous	Teased	None Detected	35% Cellulose 10% Synthetic 5% Other	50% Other

ments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. "# of Layers" refers to number of separable subsamples.

samples analyzed by ELAP 198.1 Method.

J. Park
Jong-Sim Park
Analyst

J. Park
Approved
Signatory

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Friday, June 02, 2000

Ref Number: MI001643

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
EKS-098-T	Tile	Grayish/Green Non-Fibrous Heterogeneous	Crushed/Dissolved	None Detected				80%	Ca Carbonate 20% Other
EKS-098-M	Mastic	Black Non-Fibrous Heterogeneous	Dissolved	None Detected		3%	Cellulose	97%	Other
EKS-099-A	Black layer	Black Fibrous Heterogeneous	Teased	45%	Chrysotile	20%	Cellulose	35%	Other
EKS-099-B	Tan layer	Tan/Grey Fibrous Heterogeneous	Teased	20%	Chrysotile	60%	Cellulose	20%	Other
EKS-100		Grey/Beige Fibrous Heterogeneous	Teased	70%	Chrysotile	15%	Cellulose	15%	Other
EKS-101-A	Grey layer w/netting	Grey/Beige Fibrous Heterogeneous	Teased	65%	Chrysotile	25%	Cellulose	10%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

J. Park
Jong-Sim Park
Analyst

J. Park
Approved
Signatory

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Friday, June 02, 2000

Ref Number: MI001643

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 15682-052400, GM-Moraine

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
EKS-101-B	Tan layer	Tan Fibrous Heterogeneous	Teased/Ashed	4%	Chrysotile	90%	Cellulose	6%	Other
EKS-102		Grey/Beige Fibrous Heterogeneous	Teased	55%	Chrysotile	30%	Cellulose	15%	Other
EKS-103				Not Analyzed					
EKS-104		Beige/Green Fibrous Heterogeneous	Teased	8% 20%	Chrysotile Amosite	2%	Cellulose	70%	Other
EKS-105		Grey Fibrous Heterogeneous	Teased	80%	Chrysotile	5%	Min. Wool	15%	Other
EKS-106				Not Analyzed					

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Jong-Sim Park
Analyst

Approved
Signatory

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Monday, June 12, 2000
REF.#: MI001782

Asbestos Analysis of NOB Samples Performed by Transmission Electron Microscopy (TEM): ELAP 198.4 Method

Project: A-15682, GM Moraine (MI001643, MI001644)

Sample ID	Sample Description	Asbestos Type	TEM Results % Asbestos	% Non-ASB Fibrous Structures	% Organic Materials	% Acid Soluble Materials
052400-EKS-095T	Grey Tile	**Chrysotile**	**Trace**	0*	65.7	1.0
052400-EKS-098T	Grey/Green Tile	**Chrysotile**	**Trace**	0*	11.7	84.8
052500-EKS-112T	Dark Grey Tile	**None Detected**	0	0*	39.2	23.5
052500-EKS-135T	Beige/Tan Tile	**None Detected**	0	0*	37.8	35.9
052500-EKS-136	Black Roofing	**None Detected**	0	0*	80.6	1.6
052500-EKS-139T	Dark Brown Vinyl Tile	**None Detected**	0	0*	59.6	34.2

H. Hohnke
TEM Analyst

Jong-Sim Park
QC Analyst

Approved
Signatory

*Non-fibrous materials were ashed away during preparation.

Accredited for PLM/TEM NVLAP #101048-4

APPENDIX B

Analytical Results

Analytical Laboratory Report

Report ID: S39650.01(01)
Generated on 02/05/2009

Report to

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Report produced by

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Report Summary

Lab Sample ID(s): S39650.01-S39650.48
Project: GM Moraine
Collected Date: 01/22/2009
Submitted Date/Time: 01/23/2009 10:00
Sampled by: Cox/ Palmieri
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Violetta F. Murshak
Laboratory Director

Analytical Laboratory Report

Sample Summary (48 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S39650.01	BODY-1-TRN-F1-1172	Solid	01/22/2009 07:00
S39650.02	BODY-M-OFM-F1-1130	Wipe	01/22/2009 07:25
S39650.03	BODY-1-OFM-F1-1110	Wipe	01/22/2009 07:45
S39650.04	BODY-1-OFM-F1-1101	Wipe	01/22/2009 07:50
S39650.05	BODY-1-OFM-F1-1103	Wipe	01/22/2009 08:05
S39650.06	BODY-1-OFM-F1-1104	Wipe	01/22/2009 08:10
S39650.07	BODY-M-OFM-F1-1088	Wipe	01/22/2009 07:55
S39650.08	BODY-1-OFM-F1-1116	Wipe	01/22/2009 08:25
S39650.09	BODY-M-OFM-F1-1089	Wipe	01/22/2009 08:00
S39650.10	BODY-2-OFM-F1-1090	Wipe	01/22/2009 08:10
S39650.11	BODY-M-OFM-F1-1129	Wipe	01/22/2009 08:20
S39650.12	BODY-M-OFM-F1-1128	Wipe	01/22/2009 08:30
S39650.13	BODY-1-SMP-F1-1050	Solid	01/22/2009 09:00
S39650.14	BODY-1-BLNK-F1-1204	Wipe	01/22/2009 09:00
S39650.15	BODY-1-OFM-F1-1105	Wipe	01/22/2009 09:20
S39650.16	BODY-1-OFM-F1-1102	Wipe	01/22/2009 09:25
S39650.17	BODY-1-DUP-F1-1205	Wipe	01/22/2009 09:25
S39650.18	BODY-1-OFM-F1-1106	Wipe	01/22/2009 09:10
S39650.19	BODY-1-OFM-F1-1114	Wipe	01/22/2009 09:30
S39650.20	BODY-1-SMP-F1-1166	Sludge	01/22/2009 10:05
S39650.21	BODY-1-PIT-F1-1206	Sludge	01/22/2009 10:15
S39650.22	BODY-M-DUS-F1-1073	Solid	01/22/2009 10:50
S39650.23	BODY-2-OFM-F1-1092	Oil	01/22/2009 11:00
S39650.24	BODY-2-OFM-F1-1091	Oil	01/22/2009 11:05
S39650.25	BODY-2-DRN-F1-1069	Sludge	01/22/2009 10:55
S39650.26	BODY-2-MIS-F1-1071	Wipe	01/22/2009 11:10
S39650.27	BODY-M-DUS-F1-1072	Solid	01/22/2009 11:20
S39650.28	BODY-2-DUC-F1-1070	Solid	01/22/2009 10:20
S39650.29	GENA-M-OFM-F1-1082	Oil	01/22/2009 12:40
S39650.30	GENA-M-OFM-F1-1085	Oil	01/22/2009 12:50
S39650.31	GENA-M-OFM-F1-1081	Oil	01/22/2009 13:10
S39650.32	GENA-M-OFM-F1-1086	Oil	01/22/2009 13:20
S39650.33	GENA-M-OFM-F1-1083	Oil	01/22/2009 13:30
S39650.34	GENA-1-OFM-F1-1200	Oil	01/22/2009 13:40
S39650.35	GENA-1-PIT-F1-1044	Solid	01/22/2009 14:05
S39650.36	GENA-1-DRL-F1-1207	Wipe	01/22/2009 14:00
S39650.37	BODY-1-RRT-F1-1208	Solid	01/22/2009 14:40
S39650.38	BODY-1-SMP-F1-1209	Solid	01/22/2009 14:45
S39650.39	BODY-1-DRN-F1-1030	Solid	01/22/2009 14:55
S39650.40	BODY-1-FLR-F1-1049	Solid	01/22/2009 15:10
S39650.41	BODY-1-FLR-F1-1210	Solid	01/22/2009 15:11
S39650.42	BODY-1-FLR-F1-1034	Solid	01/22/2009 15:50
S39650.43	BODY-1-FLR-F1-1033	Solid	01/22/2009 16:05
S39650.44	BODY-B-WAL-F1-1211	Solid	01/22/2009 16:30
S39650.45	BODY-B-WAL-F1-1051	Solid	01/22/2009 16:40
S39650.46	BODY-B-FLR-F1-1055	Solid	01/22/2009 16:40
S39650.47	BODY-B-FLR-F1-1212	Solid	01/22/2009 17:00
S39650.48	BODY-B-DUP-F1-1213	Solid	01/22/2009

Analytical Laboratory Report

Lab Sample ID: S39650.01
Sample Tag: BODY-1-TRN-F1-1172
Collected Date/Time: 01/22/2009 07:00
Matrix: Solid
COC Reference: 49086

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/26/09 23:30	EMR		
Extraction, PCB	Completed			3550B	01/24/09 12:17	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	1.56	mg/kg	0.10	6020	01/28/09 15:18	SLS	7440-38-2	
Barium	89.5	mg/kg	1.0	6020	01/28/09 15:18	SLS	7440-39-3	
Cadmium	1.65	mg/kg	0.20	6020	01/28/09 15:18	SLS	7440-43-9	
Chromium	65.9	mg/kg	1.0	6020	01/28/09 15:18	SLS	7440-47-3	
Lead	22.4	mg/kg	0.50	6020	01/28/09 15:18	SLS	7439-92-1	
Mercury	0.081	mg/kg	0.050	7471A	01/27/09 14:51	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/28/09 15:18	SLS	7782-49-2	
Silver	0.10	mg/kg	0.10	6020	01/28/09 15:18	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/26/09 17:36	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/09 17:36	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/09 17:36	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/09 17:36	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/09 17:36	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/09 17:36	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/09 17:36	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	2,000	8270C	01/28/09 18:41	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	2,000	8270C	01/28/09 18:41	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	2,000	8270C	01/28/09 18:41	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	2,000	8270C	01/28/09 18:41	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	2,000	8270C	01/28/09 18:41	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	01/28/09 18:41	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	2,000	8270C	01/28/09 18:41	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	2,000	8270C	01/28/09 18:41	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	2,000	8270C	01/28/09 18:41	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	2,000	8270C	01/28/09 18:41	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	2,000	8270C	01/28/09 18:41	ARH	110-86-1	X
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/29/09 18:58	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39650.01 (continued)
Sample Tag: BODY-1-TRN-F1-1172

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/29/09 18:58	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 18:58	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/29/09 18:58	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 18:58	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/29/09 18:58	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/29/09 18:58	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/29/09 18:58	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/29/09 18:58	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/29/09 18:58	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/29/09 18:58	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39650.02
Sample Tag: BODY-M-OFM-F1-1130
Collected Date/Time: 01/22/2009 07:25
Matrix: Wipe
COC Reference: 49086

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/24/09 12:25	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/24/09 12:25	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/24/09 12:25	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/24/09 12:25	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/24/09 12:25	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/24/09 12:25	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/24/09 12:25	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.03
Sample Tag: BODY-1-OFM-F1-1110
Collected Date/Time: 01/22/2009 07:45
Matrix: Wipe
COC Reference: 49086

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/24/09 12:36	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/24/09 12:36	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/24/09 12:36	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/24/09 12:36	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/24/09 12:36	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/24/09 12:36	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/24/09 12:36	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.04
Sample Tag: BODY-1-OFM-F1-1101
Collected Date/Time: 01/22/2009 07:50
Matrix: Wipe
COC Reference: 49086

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/27/09 19:08	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/27/09 19:08	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/27/09 19:08	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/27/09 19:08	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/27/09 19:08	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/27/09 19:08	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/27/09 19:08	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.05
Sample Tag: BODY-1-OFM-F1-1103
Collected Date/Time: 01/22/2009 08:05
Matrix: Wipe
COC Reference: 49086

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/24/09 12:46	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/24/09 12:46	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/24/09 12:46	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/24/09 12:46	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/24/09 12:46	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/24/09 12:46	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/24/09 12:46	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.06
Sample Tag: BODY-1-OFM-F1-1104
Collected Date/Time: 01/22/2009 08:10
Matrix: Wipe
COC Reference: 49086

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/24/09 12:57	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/24/09 12:57	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/24/09 12:57	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/24/09 12:57	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/24/09 12:57	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/24/09 12:57	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/24/09 12:57	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.07
Sample Tag: BODY-M-OFM-F1-1088
Collected Date/Time: 01/22/2009 07:55
Matrix: Wipe
COC Reference: 49086

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/26/09 19:23	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/26/09 19:23	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/26/09 19:23	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/26/09 19:23	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/26/09 19:23	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/26/09 19:23	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/26/09 19:23	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.08
Sample Tag: BODY-1-OFM-F1-1116
Collected Date/Time: 01/22/2009 08:25
Matrix: Wipe
COC Reference: 49086

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/26/09 12:04	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/26/09 12:04	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/26/09 12:04	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/26/09 12:04	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/26/09 12:04	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/26/09 12:04	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/26/09 12:04	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.09
Sample Tag: BODY-M-OFM-F1-1089
Collected Date/Time: 01/22/2009 08:00
Matrix: Wipe
COC Reference: 49086

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/27/09 19:19	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/27/09 19:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/27/09 19:19	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/27/09 19:19	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/27/09 19:19	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/27/09 19:19	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/27/09 19:19	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.10
Sample Tag: BODY-2-OFM-F1-1090
Collected Date/Time: 01/22/2009 08:10
Matrix: Wipe
COC Reference: 49086

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/27/09 19:51	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/27/09 19:51	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/27/09 19:51	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/27/09 19:51	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/27/09 19:51	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/27/09 19:51	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/27/09 19:51	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.11
Sample Tag: BODY-M-OFM-F1-1129
Collected Date/Time: 01/22/2009 08:20
Matrix: Wipe
COC Reference: 49086

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/24/09 13:29	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/24/09 13:29	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/24/09 13:29	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/24/09 13:29	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/24/09 13:29	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/24/09 13:29	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/24/09 13:29	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.12
Sample Tag: BODY-M-OFM-F1-1128
Collected Date/Time: 01/22/2009 08:30
Matrix: Wipe
COC Reference: 49086

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/27/09 20:01	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/27/09 20:01	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/27/09 20:01	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/27/09 20:01	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/27/09 20:01	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/27/09 20:01	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/27/09 20:01	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.13
Sample Tag: BODY-1-SMP-F1-1050
Collected Date/Time: 01/22/2009 09:00
Matrix: Solid
COC Reference: 49087

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/26/09 23:30	EMR		
Extraction, PCB	Completed			3550B	01/24/09 12:17	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	0.40	mg/kg	0.10	6020	01/28/09 15:21	SLS	7440-38-2	
Barium	113	mg/kg	1.0	6020	01/28/09 15:21	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/28/09 15:21	SLS	7440-43-9	
Chromium	29.9	mg/kg	1.0	6020	01/28/09 15:21	SLS	7440-47-3	
Lead	26.6	mg/kg	0.50	6020	01/28/09 15:21	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 14:53	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/28/09 15:21	SLS	7782-49-2	
Silver	0.34	mg/kg	0.10	6020	01/28/09 15:21	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/26/09 15:20	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/09 15:20	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/09 15:20	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/09 15:20	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/09 15:20	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/09 15:20	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/09 15:20	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	700	8270C	01/28/09 19:08	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	700	8270C	01/28/09 19:08	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	700	8270C	01/28/09 19:08	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	700	8270C	01/28/09 19:08	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	700	8270C	01/28/09 19:08	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	700	8270C	01/28/09 19:08	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	700	8270C	01/28/09 19:08	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	700	8270C	01/28/09 19:08	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	700	8270C	01/28/09 19:08	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	700	8270C	01/28/09 19:08	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	700	8270C	01/28/09 19:08	ARH	110-86-1	X
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/29/09 19:16	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39650.13 (continued)
Sample Tag: BODY-1-SMP-F1-1050

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/29/09 19:16	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 19:16	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/29/09 19:16	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 19:16	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/29/09 19:16	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/29/09 19:16	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/29/09 19:16	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/29/09 19:16	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/29/09 19:16	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/29/09 19:16	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39650.14
Sample Tag: BODY-1-BLNK-F1-1204
Collected Date/Time: 01/22/2009 09:00
Matrix: Wipe
COC Reference: 49087

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/24/09 13:50	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/24/09 13:50	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/24/09 13:50	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/24/09 13:50	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/24/09 13:50	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/24/09 13:50	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/24/09 13:50	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.15
Sample Tag: BODY-1-OFM-F1-1105
Collected Date/Time: 01/22/2009 09:20
Matrix: Wipe
COC Reference: 49087

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/24/09 14:00	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/24/09 14:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/24/09 14:00	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/24/09 14:00	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/24/09 14:00	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/24/09 14:00	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/24/09 14:00	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.16
Sample Tag: BODY-1-OFM-F1-1102
Collected Date/Time: 01/22/2009 09:25
Matrix: Wipe
COC Reference: 49087

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/24/09 14:11	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/24/09 14:11	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/24/09 14:11	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/24/09 14:11	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/24/09 14:11	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/24/09 14:11	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/24/09 14:11	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.17
Sample Tag: BODY-1-DUP-F1-1205
Collected Date/Time: 01/22/2009 09:25
Matrix: Wipe
COC Reference: 49087

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/24/09 14:22	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/24/09 14:22	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/24/09 14:22	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/24/09 14:22	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/24/09 14:22	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/24/09 14:22	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/24/09 14:22	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.18
Sample Tag: BODY-1-OFM-F1-1106
Collected Date/Time: 01/22/2009 09:10
Matrix: Wipe
COC Reference: 49087

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/26/09 15:33	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/26/09 15:33	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/26/09 15:33	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/26/09 15:33	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/26/09 15:33	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/26/09 15:33	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/26/09 15:33	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.19
Sample Tag: BODY-1-OFM-F1-1114
Collected Date/Time: 01/22/2009 09:30
Matrix: Wipe
COC Reference: 49087

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/26/09 15:10	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/26/09 15:10	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/26/09 15:10	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/26/09 15:10	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/26/09 15:10	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/26/09 15:10	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/26/09 15:10	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.20
Sample Tag: BODY-1-SMP-F1-1166
Collected Date/Time: 01/22/2009 10:05
Matrix: Sludge
COC Reference: 49087

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/26/09 23:30	EMR		
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	61	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	0.79	mg/kg	0.10	6020	01/28/09 15:24	SLS	7440-38-2	
Barium	75.5	mg/kg	1.0	6020	01/28/09 15:24	SLS	7440-39-3	
Cadmium	0.86	mg/kg	0.20	6020	01/28/09 15:24	SLS	7440-43-9	
Chromium	16.7	mg/kg	1.0	6020	01/28/09 15:24	SLS	7440-47-3	
Lead	46.5	mg/kg	0.50	6020	01/28/09 15:24	SLS	7439-92-1	
Mercury	0.755	mg/kg	0.050	7471A	01/27/09 14:54	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/28/09 15:24	SLS	7782-49-2	
Silver	0.10	mg/kg	0.10	6020	01/28/09 15:24	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/24/09 14:32	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/24/09 14:32	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/24/09 14:32	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/24/09 14:32	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/24/09 14:32	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/24/09 14:32	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/24/09 14:32	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	3,000	8270C	01/28/09 19:34	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	3,000	8270C	01/28/09 19:34	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	3,000	8270C	01/28/09 19:34	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	3,000	8270C	01/28/09 19:34	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	3,000	8270C	01/28/09 19:34	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	3,000	8270C	01/28/09 19:34	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	3,000	8270C	01/28/09 19:34	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	3,000	8270C	01/28/09 19:34	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	3,000	8270C	01/28/09 19:34	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	3,000	8270C	01/28/09 19:34	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	3,000	8270C	01/28/09 19:34	ARH	110-86-1	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39650.20 (continued)
Sample Tag: BODY-1-SMP-F1-1166

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/29/09 19:34	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/29/09 19:34	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 19:34	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/29/09 19:34	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 19:34	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/29/09 19:34	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/29/09 19:34	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/29/09 19:34	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/29/09 19:34	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/29/09 19:34	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/29/09 19:34	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39650.21
Sample Tag: BODY-1-PIT-F1-1206
Collected Date/Time: 01/22/2009 10:15
Matrix: Sludge
COC Reference: 49087

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/26/09 23:30	EMR		
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	92	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	1.59	mg/kg	0.10	6020	01/28/09 15:27	SLS	7440-38-2	
Barium	497	mg/kg	1.0	6020	01/28/09 15:27	SLS	7440-39-3	
Cadmium	0.73	mg/kg	0.20	6020	01/28/09 15:27	SLS	7440-43-9	
Chromium	33.3	mg/kg	1.0	6020	01/28/09 15:27	SLS	7440-47-3	
Lead	39.8	mg/kg	0.50	6020	01/28/09 15:27	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 14:56	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/28/09 15:27	SLS	7782-49-2	
Silver	1.53	mg/kg	0.10	6020	01/28/09 15:27	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/27/09 20:12	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/27/09 20:12	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/27/09 20:12	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/27/09 20:12	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/27/09 20:12	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/27/09 20:12	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/27/09 20:12	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	3,000	8270C	01/28/09 20:00	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	3,000	8270C	01/28/09 20:00	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	3,000	8270C	01/28/09 20:00	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	3,000	8270C	01/28/09 20:00	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	3,000	8270C	01/28/09 20:00	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	3,000	8270C	01/28/09 20:00	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	3,000	8270C	01/28/09 20:00	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	3,000	8270C	01/28/09 20:00	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	3,000	8270C	01/28/09 20:00	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	3,000	8270C	01/28/09 20:00	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	3,000	8270C	01/28/09 20:00	ARH	110-86-1	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39650.21 (continued)
Sample Tag: BODY-1-PIT-F1-1206

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/29/09 19:52	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/29/09 19:52	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 19:52	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/29/09 19:52	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 19:52	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/29/09 19:52	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/29/09 19:52	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/29/09 19:52	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/29/09 19:52	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/29/09 19:52	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/29/09 19:52	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39650.22
Sample Tag: BODY-M-DUS-F1-1073
Collected Date/Time: 01/22/2009 10:50
Matrix: Solid
COC Reference: 49087

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	100	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	0.87	mg/kg	0.10	6020	01/28/09 16:14	SLS	7440-38-2	
Barium	377	mg/kg	1.0	6020	01/28/09 16:14	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/28/09 16:14	SLS	7440-43-9	
Chromium	30.3	mg/kg	1.0	6020	01/28/09 16:14	SLS	7440-47-3	
Lead	1.87	mg/kg	0.50	6020	01/28/09 16:14	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 14:58	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/28/09 16:14	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/28/09 16:14	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/26/09 15:42	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/26/09 15:42	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/26/09 15:42	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/26/09 15:42	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/26/09 15:42	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/26/09 15:42	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/26/09 15:42	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.23
Sample Tag: BODY-2-OFM-F1-1092
Collected Date/Time: 01/22/2009 11:00
Matrix: Oil
COC Reference: 49087

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/24/09 14:43	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/24/09 14:43	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/24/09 14:43	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/24/09 14:43	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/24/09 14:43	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/24/09 14:43	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/24/09 14:43	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.24
Sample Tag: BODY-2-OFM-F1-1091
Collected Date/Time: 01/22/2009 11:05
Matrix: Oil
COC Reference: 49087

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/26/09 12:14	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/09 12:14	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/09 12:14	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/09 12:14	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/09 12:14	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/09 12:14	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/09 12:14	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.25
Sample Tag: BODY-2-DRN-F1-1069
Collected Date/Time: 01/22/2009 10:55
Matrix: Sludge
COC Reference: 49088

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/26/09 23:30	EMR		
Extraction, PCB	Completed			3550B	01/24/09 12:17	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	1.85	mg/kg	0.10	6020	01/29/09 12:55	SLS	7440-38-2	
Barium	2,820	mg/kg	1.0	6020	01/29/09 12:55	SLS	7440-39-3	
Cadmium	4.11	mg/kg	0.20	6020	01/29/09 12:55	SLS	7440-43-9	
Chromium	68.2	mg/kg	1.0	6020	01/29/09 12:55	SLS	7440-47-3	
Lead	258	mg/kg	0.50	6020	01/29/09 12:55	SLS	7439-92-1	
Mercury	0.050	mg/kg	0.050	7471A	01/27/09 15:00	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 12:55	SLS	7782-49-2	
Silver	0.29	mg/kg	0.10	6020	01/29/09 12:55	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/26/09 15:52	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/26/09 15:52	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/26/09 15:52	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/26/09 15:52	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/26/09 15:52	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/26/09 15:52	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/26/09 15:52	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	900	8270C	01/28/09 20:26	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	900	8270C	01/28/09 20:26	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	900	8270C	01/28/09 20:26	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	900	8270C	01/28/09 20:26	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	900	8270C	01/28/09 20:26	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	900	8270C	01/28/09 20:26	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	900	8270C	01/28/09 20:26	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	900	8270C	01/28/09 20:26	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	900	8270C	01/28/09 20:26	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	900	8270C	01/28/09 20:26	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	900	8270C	01/28/09 20:26	ARH	110-86-1	X
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	60	ug/kg	50	8260B	01/29/09 20:10	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S39650.25 (continued)
Sample Tag: BODY-2-DRN-F1-1069

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/29/09 20:10	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 20:10	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/29/09 20:10	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 20:10	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/29/09 20:10	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/29/09 20:10	JGH	75-35-4	
2-Butanone (MEK)	3,300	ug/kg	500	8260B	01/29/09 20:10	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/29/09 20:10	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/29/09 20:10	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/29/09 20:10	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39650.26
Sample Tag: BODY-2-MIS-F1-1071
Collected Date/Time: 01/22/2009 11:10
Matrix: Wipe
COC Reference: 49088

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/27/09 20:22	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/27/09 20:22	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/27/09 20:22	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/27/09 20:22	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/27/09 20:22	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/27/09 20:22	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/27/09 20:22	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.27
Sample Tag: BODY-M-DUS-F1-1072
Collected Date/Time: 01/22/2009 11:20
Matrix: Solid
COC Reference: 49088

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	100	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	4.93	mg/kg	0.10	6020	01/29/09 12:58	SLS	7440-38-2	
Barium	492	mg/kg	1.0	6020	01/29/09 12:58	SLS	7440-39-3	
Cadmium	7.71	mg/kg	0.20	6020	01/29/09 12:58	SLS	7440-43-9	
Chromium	271	mg/kg	1.0	6020	01/29/09 12:58	SLS	7440-47-3	
Lead	760	mg/kg	0.50	6020	01/29/09 12:58	SLS	7439-92-1	
Mercury	0.173	mg/kg	0.050	7471A	01/27/09 15:02	JRT	7439-97-6	
Selenium	0.64	mg/kg	0.20	6020	01/29/09 12:58	SLS	7782-49-2	
Silver	0.18	mg/kg	0.10	6020	01/29/09 12:58	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/26/09 16:05	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/09 16:05	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/09 16:05	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/09 16:05	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/09 16:05	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/09 16:05	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/09 16:05	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.28
Sample Tag: BODY-2-DUC-F1-1070
Collected Date/Time: 01/22/2009 10:20
Matrix: Solid
COC Reference: 49088

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	98	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	3.11	mg/kg	0.10	6020	01/29/09 13:01	SLS	7440-38-2	
Barium	5,630	mg/kg	1.0	6020	01/29/09 14:21	SLS	7440-39-3	
Cadmium	13.60	mg/kg	0.20	6020	01/29/09 13:01	SLS	7440-43-9	
Chromium	500	mg/kg	1.0	6020	01/29/09 13:01	SLS	7440-47-3	
Lead	4,000	mg/kg	0.50	6020	01/29/09 14:21	SLS	7439-92-1	
Mercury	0.400	mg/kg	0.050	7471A	01/27/09 15:03	JRT	7439-97-6	
Selenium	0.33	mg/kg	0.20	6020	01/29/09 13:01	SLS	7782-49-2	
Silver	1.02	mg/kg	0.10	6020	01/29/09 13:01	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/26/09 17:47	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/09 17:47	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/09 17:47	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/09 17:47	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/09 17:47	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/09 17:47	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/09 17:47	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.29
Sample Tag: GENA-M-OFM-F1-1082
Collected Date/Time: 01/22/2009 12:40
Matrix: Oil
COC Reference: 49088

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/24/09 15:25	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/24/09 15:25	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/24/09 15:25	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/24/09 15:25	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/24/09 15:25	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/24/09 15:25	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/24/09 15:25	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.30
Sample Tag: GENA-M-OFM-F1-1085
Collected Date/Time: 01/22/2009 12:50
Matrix: Oil
COC Reference: 49088

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/26/09 16:13	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/09 16:13	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/09 16:13	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/09 16:13	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/09 16:13	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/09 16:13	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/09 16:13	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.31
Sample Tag: GENA-M-OFM-F1-1081
Collected Date/Time: 01/22/2009 13:10
Matrix: Oil
COC Reference: 49088

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/24/09 15:46	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/24/09 15:46	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/24/09 15:46	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/24/09 15:46	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/24/09 15:46	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/24/09 15:46	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/24/09 15:46	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.32
Sample Tag: GENA-M-OFM-F1-1086
Collected Date/Time: 01/22/2009 13:20
Matrix: Oil
COC Reference: 49088

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/24/09 16:07	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/24/09 16:07	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/24/09 16:07	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/24/09 16:07	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/24/09 16:07	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/24/09 16:07	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/24/09 16:07	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.33
Sample Tag: GENA-M-OFM-F1-1083
Collected Date/Time: 01/22/2009 13:30
Matrix: Oil
COC Reference: 49088

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/24/09 16:28	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/24/09 16:28	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/24/09 16:28	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/24/09 16:28	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/24/09 16:28	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/24/09 16:28	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/24/09 16:28	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.34
Sample Tag: GENA-1-OFM-F1-1200
Collected Date/Time: 01/22/2009 13:40
Matrix: Oil
COC Reference: 49088

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/26/09 16:24	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/09 16:24	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/09 16:24	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/09 16:24	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/09 16:24	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/09 16:24	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/09 16:24	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.35
Sample Tag: GENA-1-PIT-F1-1044
Collected Date/Time: 01/22/2009 14:05
Matrix: Solid
COC Reference: 49089

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/26/09 23:30	EMR		
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	96	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	2.57	mg/kg	0.10	6020	01/29/09 13:04	SLS	7440-38-2	
Barium	47.8	mg/kg	1.0	6020	01/29/09 13:04	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 13:04	SLS	7440-43-9	
Chromium	9.7	mg/kg	1.0	6020	01/29/09 13:04	SLS	7440-47-3	
Lead	2.55	mg/kg	0.50	6020	01/29/09 13:04	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 15:07	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 13:04	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 13:04	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/27/09 20:33	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/27/09 20:33	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/27/09 20:33	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/27/09 20:33	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/27/09 20:33	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/27/09 20:33	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/27/09 20:33	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	700	8270C	01/28/09 20:52	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	700	8270C	01/28/09 20:52	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	700	8270C	01/28/09 20:52	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	700	8270C	01/28/09 20:52	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	700	8270C	01/28/09 20:52	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	700	8270C	01/28/09 20:52	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	700	8270C	01/28/09 20:52	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	700	8270C	01/28/09 20:52	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	700	8270C	01/28/09 20:52	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	700	8270C	01/28/09 20:52	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	700	8270C	01/28/09 20:52	ARH	110-86-1	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39650.36
Sample Tag: GENA-1-DRL-F1-1207
Collected Date/Time: 01/22/2009 14:00
Matrix: Wipe
COC Reference: 49089

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/23/09 14:38	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/24/09 16:49	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/24/09 16:49	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/24/09 16:49	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/24/09 16:49	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/24/09 16:49	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/24/09 16:49	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/24/09 16:49	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39650.37
Sample Tag: BODY-1-RRT-F1-1208
Collected Date/Time: 01/22/2009 14:40
Matrix: Solid
COC Reference: 49089

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	100	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	0.97	mg/kg	0.10	6020	01/29/09 13:07	SLS	7440-38-2	
Barium	96.7	mg/kg	1.0	6020	01/29/09 13:07	SLS	7440-39-3	
Cadmium	0.38	mg/kg	0.20	6020	01/29/09 13:07	SLS	7440-43-9	
Chromium	12.6	mg/kg	1.0	6020	01/29/09 13:07	SLS	7440-47-3	
Lead	28.4	mg/kg	0.50	6020	01/29/09 13:07	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 15:05	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 13:07	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 13:07	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/26/09 15:31	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/09 15:31	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/09 15:31	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/09 15:31	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/09 15:31	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/09 15:31	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/09 15:31	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	2,000	8270C	01/29/09 15:27	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	2,000	8270C	01/29/09 15:27	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	2,000	8270C	01/29/09 15:27	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	2,000	8270C	01/29/09 15:27	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	2,000	8270C	01/29/09 15:27	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	01/29/09 15:27	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	2,000	8270C	01/29/09 15:27	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	2,000	8270C	01/29/09 15:27	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	2,000	8270C	01/29/09 15:27	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	2,000	8270C	01/29/09 15:27	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	2,000	8270C	01/29/09 15:27	ARH	110-86-1	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39650.38
Sample Tag: BODY-1-SMP-F1-1209
Collected Date/Time: 01/22/2009 14:45
Matrix: Solid
COC Reference: 49089

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	97	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	6.57	mg/kg	0.10	6020	01/29/09 13:11	SLS	7440-38-2	
Barium	901	mg/kg	1.0	6020	01/29/09 13:11	SLS	7440-39-3	
Cadmium	9.26	mg/kg	0.20	6020	01/29/09 13:11	SLS	7440-43-9	
Chromium	137	mg/kg	1.0	6020	01/29/09 13:11	SLS	7440-47-3	
Lead	442	mg/kg	0.50	6020	01/29/09 13:11	SLS	7439-92-1	
Mercury	0.560	mg/kg	0.050	7471A	01/27/09 15:18	JRT	7439-97-6	
Selenium	0.26	mg/kg	0.20	6020	01/29/09 13:11	SLS	7782-49-2	
Silver	3.44	mg/kg	0.10	6020	01/29/09 13:11	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/27/09 21:36	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/27/09 21:36	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/27/09 21:36	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/27/09 21:36	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/27/09 21:36	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/27/09 21:36	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/27/09 21:36	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	3,000	8270C	01/29/09 15:54	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	3,000	8270C	01/29/09 15:54	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	3,000	8270C	01/29/09 15:54	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	3,000	8270C	01/29/09 15:54	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	3,000	8270C	01/29/09 15:54	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	3,000	8270C	01/29/09 15:54	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	3,000	8270C	01/29/09 15:54	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	3,000	8270C	01/29/09 15:54	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	3,000	8270C	01/29/09 15:54	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	3,000	8270C	01/29/09 15:54	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	3,000	8270C	01/29/09 15:54	ARH	110-86-1	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39650.39
Sample Tag: BODY-1-DRN-F1-1030
Collected Date/Time: 01/22/2009 14:55
Matrix: Solid
COC Reference: 49089

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/24/09 12:17	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	13.2	mg/kg	0.10	6020	01/29/09 13:14	SLS	7440-38-2	
Barium	672	mg/kg	1.0	6020	01/29/09 13:14	SLS	7440-39-3	
Cadmium	4.39	mg/kg	0.20	6020	01/29/09 13:14	SLS	7440-43-9	
Chromium	165	mg/kg	1.0	6020	01/29/09 13:14	SLS	7440-47-3	
Lead	533	mg/kg	0.50	6020	01/29/09 13:14	SLS	7439-92-1	
Mercury	0.092	mg/kg	0.050	7471A	01/27/09 15:21	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 13:14	SLS	7782-49-2	
Silver	0.40	mg/kg	0.10	6020	01/29/09 13:14	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/26/09 17:57	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/26/09 17:57	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/26/09 17:57	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/26/09 17:57	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/26/09 17:57	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/26/09 17:57	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/26/09 17:57	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	3,000	8270C	01/29/09 16:20	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	3,000	8270C	01/29/09 16:20	ARH	3/4-Cresol	XT
Pentachlorophenol	Not detected	ug/kg	3,000	8270C	01/29/09 16:20	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	3,000	8270C	01/29/09 16:20	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	3,000	8270C	01/29/09 16:20	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	3,000	8270C	01/29/09 16:20	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	3,000	8270C	01/29/09 16:20	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	3,000	8270C	01/29/09 16:20	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	3,000	8270C	01/29/09 16:20	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	3,000	8270C	01/29/09 16:20	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	3,000	8270C	01/29/09 16:20	ARH	110-86-1	XT
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/29/09 20:28	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39650.39 (continued)
Sample Tag: BODY-1-DRN-F1-1030

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/29/09 20:28	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 20:28	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/29/09 20:28	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 20:28	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/29/09 20:28	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/29/09 20:28	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/29/09 20:28	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/29/09 20:28	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/29/09 20:28	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/29/09 20:28	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39650.40
Sample Tag: BODY-1-FLR-F1-1049
Collected Date/Time: 01/22/2009 15:10
Matrix: Solid
COC Reference: 49089

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/23/09 14:32	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	98	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	2.34	mg/kg	0.10	6020	01/29/09 13:17	SLS	7440-38-2	
Barium	52.4	mg/kg	1.0	6020	01/29/09 13:17	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 13:17	SLS	7440-43-9	
Chromium	9.2	mg/kg	1.0	6020	01/29/09 13:17	SLS	7440-47-3	
Lead	2.66	mg/kg	0.50	6020	01/29/09 13:17	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 15:23	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 13:17	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 13:17	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/26/09 17:06	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/26/09 17:06	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/26/09 17:06	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/26/09 17:06	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/26/09 17:06	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/26/09 17:06	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/26/09 17:06	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	700	8270C	01/29/09 13:14	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	700	8270C	01/29/09 13:14	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	700	8270C	01/29/09 13:14	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	700	8270C	01/29/09 13:14	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	700	8270C	01/29/09 13:14	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	700	8270C	01/29/09 13:14	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	700	8270C	01/29/09 13:14	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	700	8270C	01/29/09 13:14	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	700	8270C	01/29/09 13:14	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	700	8270C	01/29/09 13:14	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	700	8270C	01/29/09 13:14	ARH	110-86-1	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39650.40 (continued)
Sample Tag: BODY-1-FLR-F1-1049

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/29/09 20:47	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/29/09 20:47	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 20:47	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/29/09 20:47	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/29/09 20:47	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/29/09 20:47	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/29/09 20:47	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/29/09 20:47	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/29/09 20:47	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/29/09 20:47	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/29/09 20:47	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39650.41
Sample Tag: BODY-1-FLR-F1-1210
Collected Date/Time: 01/22/2009 15:11
Matrix: Solid
COC Reference: 49089

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/24/09 12:17	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	97	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	2.06	mg/kg	0.10	6020	01/29/09 13:20	SLS	7440-38-2	
Barium	43.0	mg/kg	1.0	6020	01/29/09 13:20	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 13:20	SLS	7440-43-9	
Chromium	6.9	mg/kg	1.0	6020	01/29/09 13:20	SLS	7440-47-3	
Lead	2.37	mg/kg	0.50	6020	01/29/09 13:20	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 15:25	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 13:20	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 13:20	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/26/09 18:08	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/26/09 18:08	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/26/09 18:08	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/26/09 18:08	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/26/09 18:08	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/26/09 18:08	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/26/09 18:08	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	01/29/09 13:40	ARH	95-48-7	
p,m-Cresol	Not detected	ug/kg	300	8270C	01/29/09 13:40	ARH	3/4-Cresol	
Pentachlorophenol	Not detected	ug/kg	300	8270C	01/29/09 13:40	ARH	87-86-5	
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 13:40	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 13:40	ARH	88-06-2	
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	01/29/09 13:40	ARH	121-14-2	
Hexachlorobenzene	Not detected	ug/kg	300	8270C	01/29/09 13:40	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	01/29/09 13:40	ARH	87-68-3	
Hexachloroethane	Not detected	ug/kg	300	8270C	01/29/09 13:40	ARH	67-72-1	
Nitrobenzene	Not detected	ug/kg	300	8270C	01/29/09 13:40	ARH	98-95-3	
Pyridine	Not detected	ug/kg	300	8270C	01/29/09 13:40	ARH	110-86-1	

Analytical Laboratory Report

Lab Sample ID: S39650.41 (continued)
Sample Tag: BODY-1-FLR-F1-1210

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 15:39	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 15:39	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 15:39	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 15:39	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 15:39	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 15:39	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 15:39	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 15:39	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 15:39	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 15:39	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 15:39	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39650.42
Sample Tag: BODY-1-FLR-F1-1034
Collected Date/Time: 01/22/2009 15:50
Matrix: Solid
COC Reference: 49089

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
BNA Extraction (Replicate 01)	Completed			3550B	02/02/09 21:19	DLR		
Extraction, PCB	Completed			3550B	01/24/09 12:17	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	98	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	3.00	mg/kg	0.10	6020	01/29/09 15:04	SLS	7440-38-2	
Barium	59.5	mg/kg	1.0	6020	01/29/09 15:04	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 15:04	SLS	7440-43-9	
Chromium	11.1	mg/kg	1.0	6020	01/29/09 15:04	SLS	7440-47-3	
Lead	3.30	mg/kg	0.50	6020	01/29/09 15:04	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 15:27	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:04	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 15:04	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/26/09 17:17	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/26/09 17:17	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/26/09 17:17	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/26/09 17:17	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/26/09 17:17	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/26/09 17:17	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/26/09 17:17	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	01/29/09 11:27	ARH	95-48-7	S
p,m-Cresol	Not detected	ug/kg	300	8270C	01/29/09 11:27	ARH	3/4-Cresol	S
Pentachlorophenol	Not detected	ug/kg	300	8270C	01/29/09 11:27	ARH	87-86-5	S
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 11:27	ARH	95-95-4	S
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 11:27	ARH	88-06-2	S
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	01/29/09 11:27	ARH	121-14-2	S
Hexachlorobenzene	Not detected	ug/kg	300	8270C	01/29/09 11:27	ARH	118-74-1	S
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	01/29/09 11:27	ARH	87-68-3	S
Hexachloroethane	Not detected	ug/kg	300	8270C	01/29/09 11:27	ARH	67-72-1	S
Nitrobenzene	Not detected	ug/kg	300	8270C	01/29/09 11:27	ARH	98-95-3	S
Pyridine	Not detected	ug/kg	300	8270C	01/29/09 11:27	ARH	110-86-1	S

S-Surrogate recovery outside of control limits

Lab Sample ID: S39650.42 (continued)
Sample Tag: BODY-1-FLR-F1-1034

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCLP Semi-Volatiles as Total (Replicate 01)								
o-Cresol	Not detected	ug/kg	300	8270C	02/04/09 16:13	ARH	95-48-7	S
p,m-Cresol	Not detected	ug/kg	300	8270C	02/04/09 16:13	ARH	3/4-Cresol	S
Pentachlorophenol	Not detected	ug/kg	300	8270C	02/04/09 16:13	ARH	87-86-5	S
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	02/04/09 16:13	ARH	95-95-4	S
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	02/04/09 16:13	ARH	88-06-2	S
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	02/04/09 16:13	ARH	121-14-2	S
Hexachlorobenzene	Not detected	ug/kg	300	8270C	02/04/09 16:13	ARH	118-74-1	S
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	02/04/09 16:13	ARH	87-68-3	S
Hexachloroethane	Not detected	ug/kg	300	8270C	02/04/09 16:13	ARH	67-72-1	S
Nitrobenzene	Not detected	ug/kg	300	8270C	02/04/09 16:13	ARH	98-95-3	S
Pyridine	Not detected	ug/kg	300	8270C	02/04/09 16:13	ARH	110-86-1	S
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 15:57	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 15:57	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 15:57	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 15:57	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 15:57	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 15:57	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 15:57	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 15:57	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 15:57	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 15:57	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 15:57	JGH	75-01-4	

S-Surrogate recovery outside of control limits

Analytical Laboratory Report

Lab Sample ID: S39650.43
Sample Tag: BODY-1-FLR-F1-1033
Collected Date/Time: 01/22/2009 16:05
Matrix: Solid
COC Reference: 49089

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/24/09 12:17	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	96	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	2.81	mg/kg	0.10	6020	01/29/09 13:39	SLS	7440-38-2	
Barium	130	mg/kg	1.0	6020	01/29/09 13:39	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 13:39	SLS	7440-43-9	
Chromium	10.0	mg/kg	1.0	6020	01/29/09 13:39	SLS	7440-47-3	
Lead	8.23	mg/kg	0.50	6020	01/29/09 13:39	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 15:29	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 13:39	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 13:39	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/26/09 17:28	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/26/09 17:28	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/26/09 17:28	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/26/09 17:28	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/26/09 17:28	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/26/09 17:28	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/26/09 17:28	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	400	8270C	01/29/09 11:53	ARH	95-48-7	XS
p,m-Cresol	Not detected	ug/kg	400	8270C	01/29/09 11:53	ARH	3/4-Cresol	XS
Pentachlorophenol	Not detected	ug/kg	400	8270C	01/29/09 11:53	ARH	87-86-5	XS
2,4,5-Trichlorophenol	Not detected	ug/kg	400	8270C	01/29/09 11:53	ARH	95-95-4	XS
2,4,6-Trichlorophenol	Not detected	ug/kg	400	8270C	01/29/09 11:53	ARH	88-06-2	XS
2,4-Dinitrotoluene	Not detected	ug/kg	400	8270C	01/29/09 11:53	ARH	121-14-2	XS
Hexachlorobenzene	Not detected	ug/kg	400	8270C	01/29/09 11:53	ARH	118-74-1	XS
Hexachlorobutadiene	Not detected	ug/kg	400	8270C	01/29/09 11:53	ARH	87-68-3	XS
Hexachloroethane	Not detected	ug/kg	400	8270C	01/29/09 11:53	ARH	67-72-1	XS
Nitrobenzene	Not detected	ug/kg	400	8270C	01/29/09 11:53	ARH	98-95-3	XS
Pyridine	Not detected	ug/kg	400	8270C	01/29/09 11:53	ARH	110-86-1	XS

X-Elevated reporting limit due to matrix interference S-Surrogate recovery outside of control limits

Analytical Laboratory Report

Lab Sample ID: S39650.43 (continued)
Sample Tag: BODY-1-FLR-F1-1033

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 16:15	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 16:15	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 16:15	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 16:15	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 16:15	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 16:15	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 16:15	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 16:15	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 16:15	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 16:15	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 16:15	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39650.44
Sample Tag: BODY-B-WAL-F1-1211
Collected Date/Time: 01/22/2009 16:30
Matrix: Solid
COC Reference: 49089

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/24/09 12:17	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	99	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	2.30	mg/kg	0.10	6020	01/29/09 13:42	SLS	7440-38-2	
Barium	36.3	mg/kg	1.0	6020	01/29/09 13:42	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 13:42	SLS	7440-43-9	
Chromium	6.0	mg/kg	1.0	6020	01/29/09 13:42	SLS	7440-47-3	
Lead	3.01	mg/kg	0.50	6020	01/29/09 13:42	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 15:30	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 13:42	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 13:42	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/26/09 18:18	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/26/09 18:18	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/26/09 18:18	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/26/09 18:18	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/26/09 18:18	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/26/09 18:18	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/26/09 18:18	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	1,000	8270C	01/29/09 16:48	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	1,000	8270C	01/29/09 16:48	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	1,000	8270C	01/29/09 16:48	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	1,000	8270C	01/29/09 16:48	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	1,000	8270C	01/29/09 16:48	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	1,000	8270C	01/29/09 16:48	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	1,000	8270C	01/29/09 16:48	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	1,000	8270C	01/29/09 16:48	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	1,000	8270C	01/29/09 16:48	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	1,000	8270C	01/29/09 16:48	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	1,000	8270C	01/29/09 16:48	ARH	110-86-1	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39650.44 (continued)
Sample Tag: BODY-B-WAL-F1-1211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 16:33	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 16:33	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 16:33	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 16:33	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 16:33	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 16:33	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 16:33	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 16:33	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 16:33	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 16:33	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 16:33	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39650.45
Sample Tag: BODY-B-WAL-F1-1051
Collected Date/Time: 01/22/2009 16:40
Matrix: Solid
COC Reference: 49089

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/24/09 12:17	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	98	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	1.70	mg/kg	0.10	6020	01/29/09 13:45	SLS	7440-38-2	
Barium	999	mg/kg	1.0	6020	01/29/09 13:45	SLS	7440-39-3	
Cadmium	1.87	mg/kg	0.20	6020	01/29/09 13:45	SLS	7440-43-9	
Chromium	458	mg/kg	1.0	6020	01/29/09 13:45	SLS	7440-47-3	
Lead	605	mg/kg	0.50	6020	01/29/09 13:45	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 15:32	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 13:45	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 13:45	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/26/09 18:29	JANB	12674-11-2	S
PCB-1242	Not detected	ug/kg	1,000	8082	01/26/09 18:29	JANB	53469-21-9	S
PCB-1221	Not detected	ug/kg	1,000	8082	01/26/09 18:29	JANB	11104-28-2	S
PCB-1232	Not detected	ug/kg	1,000	8082	01/26/09 18:29	JANB	11141-16-5	S
PCB-1248	Not detected	ug/kg	1,000	8082	01/26/09 18:29	JANB	12672-29-6	S
PCB-1254	Not detected	ug/kg	1,000	8082	01/26/09 18:29	JANB	11097-69-1	S
PCB-1260	Not detected	ug/kg	1,000	8082	01/26/09 18:29	JANB	11096-82-5	S
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	7,000	8270C	01/29/09 17:14	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	7,000	8270C	01/29/09 17:14	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	7,000	8270C	01/29/09 17:14	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	7,000	8270C	01/29/09 17:14	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	7,000	8270C	01/29/09 17:14	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	7,000	8270C	01/29/09 17:14	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	7,000	8270C	01/29/09 17:14	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	7,000	8270C	01/29/09 17:14	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	7,000	8270C	01/29/09 17:14	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	7,000	8270C	01/29/09 17:14	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	7,000	8270C	01/29/09 17:14	ARH	110-86-1	X

S-Surrogate recovery outside of control limits
X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39650.46
Sample Tag: BODY-B-FLR-F1-1055
Collected Date/Time: 01/22/2009 16:40
Matrix: Solid
COC Reference: 49089

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/24/09 12:17	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	0.85	mg/kg	0.10	6020	01/29/09 13:48	SLS	7440-38-2	
Barium	299	mg/kg	1.0	6020	01/29/09 13:48	SLS	7440-39-3	
Cadmium	0.37	mg/kg	0.20	6020	01/29/09 13:48	SLS	7440-43-9	
Chromium	64.5	mg/kg	1.0	6020	01/29/09 13:48	SLS	7440-47-3	
Lead	33.0	mg/kg	0.50	6020	01/29/09 13:48	SLS	7439-92-1	
Mercury	0.073	mg/kg	0.050	7471A	01/27/09 15:34	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 13:48	SLS	7782-49-2	
Silver	0.23	mg/kg	0.10	6020	01/29/09 13:48	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/27/09 21:47	JANB	12674-11-2	S
PCB-1242	Not detected	ug/kg	1,000	8082	01/27/09 21:47	JANB	53469-21-9	S
PCB-1221	Not detected	ug/kg	1,000	8082	01/27/09 21:47	JANB	11104-28-2	S
PCB-1232	Not detected	ug/kg	1,000	8082	01/27/09 21:47	JANB	11141-16-5	S
PCB-1248	Not detected	ug/kg	1,000	8082	01/27/09 21:47	JANB	12672-29-6	S
PCB-1254	Not detected	ug/kg	1,000	8082	01/27/09 21:47	JANB	11097-69-1	S
PCB-1260	Not detected	ug/kg	1,000	8082	01/27/09 21:47	JANB	11096-82-5	S

S-Surrogate recovery outside of control limits

Analytical Laboratory Report

Lab Sample ID: S39650.47
Sample Tag: BODY-B-FLR-F1-1212
Collected Date/Time: 01/22/2009 17:00
Matrix: Solid
COC Reference: 49090

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/24/09 12:17	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:00	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	97	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	2.47	mg/kg	0.10	6020	01/29/09 13:56	SLS	7440-38-2	
Barium	51.5	mg/kg	1.0	6020	01/29/09 13:56	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 13:56	SLS	7440-43-9	
Chromium	10.6	mg/kg	1.0	6020	01/29/09 13:56	SLS	7440-47-3	
Lead	3.01	mg/kg	0.50	6020	01/29/09 13:56	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 15:36	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 13:56	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 13:56	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/26/09 17:38	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/26/09 17:38	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/26/09 17:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/26/09 17:38	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/26/09 17:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/26/09 17:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/26/09 17:38	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	01/29/09 12:20	ARH	95-48-7	S
p,m-Cresol	Not detected	ug/kg	300	8270C	01/29/09 12:20	ARH	3/4-Cresol	S
Pentachlorophenol	Not detected	ug/kg	300	8270C	01/29/09 12:20	ARH	87-86-5	S
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 12:20	ARH	95-95-4	S
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 12:20	ARH	88-06-2	S
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	01/29/09 12:20	ARH	121-14-2	S
Hexachlorobenzene	Not detected	ug/kg	300	8270C	01/29/09 12:20	ARH	118-74-1	S
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	01/29/09 12:20	ARH	87-68-3	S
Hexachloroethane	Not detected	ug/kg	300	8270C	01/29/09 12:20	ARH	67-72-1	S
Nitrobenzene	Not detected	ug/kg	300	8270C	01/29/09 12:20	ARH	98-95-3	S
Pyridine	Not detected	ug/kg	300	8270C	01/29/09 12:20	ARH	110-86-1	S

S-Surrogate recovery outside of control limits

Analytical Laboratory Report

Lab Sample ID: S39650.48
Sample Tag: BODY-B-DUP-F1-1213
Collected Date/Time: 01/22/2009 :
Matrix: Solid
COC Reference: 49090

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/24/09 12:17	TAS		
Mercury Digestion	Completed			7471A	01/27/09 11:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Inorganics								
Total Solids	97	%	1	Std M 2540 B	01/23/09 13:00	DJS		
Metals								
Arsenic	2.68	mg/kg	0.10	6020	01/29/09 13:59	SLS	7440-38-2	
Barium	56.3	mg/kg	1.0	6020	01/29/09 13:59	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 13:59	SLS	7440-43-9	
Chromium	12.0	mg/kg	1.0	6020	01/29/09 13:59	SLS	7440-47-3	
Lead	3.51	mg/kg	0.50	6020	01/29/09 13:59	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/27/09 14:33	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 13:59	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 13:59	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/26/09 17:49	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/26/09 17:49	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/26/09 17:49	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/26/09 17:49	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/26/09 17:49	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/26/09 17:49	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/26/09 17:49	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	01/29/09 12:47	ARH	95-48-7	S
p,m-Cresol	Not detected	ug/kg	300	8270C	01/29/09 12:47	ARH	3/4-Cresol	S
Pentachlorophenol	Not detected	ug/kg	300	8270C	01/29/09 12:47	ARH	87-86-5	S
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 12:47	ARH	95-95-4	S
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 12:47	ARH	88-06-2	S
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	01/29/09 12:47	ARH	121-14-2	S
Hexachlorobenzene	Not detected	ug/kg	300	8270C	01/29/09 12:47	ARH	118-74-1	S
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	01/29/09 12:47	ARH	87-68-3	S
Hexachloroethane	Not detected	ug/kg	300	8270C	01/29/09 12:47	ARH	67-72-1	S
Nitrobenzene	Not detected	ug/kg	300	8270C	01/29/09 12:47	ARH	98-95-3	S
Pyridine	Not detected	ug/kg	300	8270C	01/29/09 12:47	ARH	110-86-1	S

S-Surrogate recovery outside of control limits

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C.O.C. PAGE # 1 OF 5

49086

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: O'Brien & Gere
ADDRESS: 37000 Grand River Ave Suite 260
CITY: Farmington Hills STATE: MI ZIP CODE: 48335
PHONE NO. 248-477-5701 FAX NO. P.O. NO.
E-MAIL ADDRESS: alfonsjm@obg.com QUOTE NO.

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY
ADDRESS
CITY STATE ZIP CODE
PHONE NO. FAX NO. P.O. NO.

PROJECT NO./NAME: Moraine
SAMPLER(S) - PLEASE PRINT/SIGN NAME: COX / PALMIERI

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TOTAL RCRA 8 Metals	PCB	SVOC	VOC	SPECIAL INSTRUCTIONS/NOTES
39650.01	1/22/09	0700	BODY-1-TRN-FI-1172	SD	1	✓							✓	✓	✓	✓	
.02 ✓		0725	BODY-M-OFM-FI-1130	M	1	✓								✓			
.03 ✓		0745	BODY-1-OFM-FI-1110	M	1	✓								✓			
.04 ✓		0750	BODY-1-OFM-FI-1101	M	1	✓								✓			
.05 ✓		0805	BODY-1-OFM-FI-1103	M	1	✓								✓			
.06 ✓		0810	BODY-1-OFM-FI-1104	M	1	✓								✓			
.07 ✓		0755	BODY-M-OFM-FI-1088	M	1	✓								✓			
.08 ✓		0825	BODY-1-OFM-FI-1116	M	1	✓								✓			
.09 ✓		0800	BODY-M-OFM-FI-1089	M	1	✓								✓			
.10 ✓		0810	BODY-2-OFM-FI-1090	M	1	✓								✓			
.11 ✓		0820	BODY-M-OFM-FI-1129	M	1	✓								✓			
.12 ✓		0830	BODY-M-OFM-FI-1128	M	1	✓								✓			

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[signature]	1/22/09	7:00
RECEIVED BY: SIGNATURE/ORGANIZATION: Fed Ex 8664 1019 6794	1/22/09	7:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION: [signature]	1-23-09	1000

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.2
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 2 OF 5

49087

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: O'Brien & Gere
ADDRESS: 37000 Grand River Ave Suite 260
CITY: Farmington Hills STATE: MI ZIP CODE: 48335
PHONE NO.: 248-477-5701 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: alfonsjm@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: Moraine
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Cox CC / Palmieri

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TOTAL RCRA 8 METALS	PCB	SVOC	VOC							SPECIAL INSTRUCTIONS/NOTES
39650.13	1/22	0900	Body-1-Smp-F1-1050	SD	1	✓							✓	✓	✓	✓							
.14	1/22	0900	Body-1-BLNK-F1-1204	M	1	✓								✓									
.15	1/22	0920	Body-1-OFM-F1-1105	M	1	✓								✓									
.16	1/22	0925	Body-1-OFM-F1-1102	M	1	✓								✓									
.17	1/22	0925	Body-1-DUP-F1-1205	M	1	✓								✓									Dup of 1102
.18	1/22	0910	Body-1-OFM-F1-1106	M	1	✓								✓									
.19	1/22	0930	Body-1-OFM-F1-1114	M	1	✓								✓									
.20	1/22	1005	Body-1-SMP-F1-1166	SL	1	✓							✓	✓	✓	✓							
.21	1/22	1015	Body-1-PIT-F1-1206	SL	1	✓							✓	✓	✓	✓							
.22	1/22	1050	Body-M-DUS-F1-1073	SD	1	✓							✓	✓	1 vial								
.23	1/22	1100	Body-2-OFM-F1-1092	O	1	✓								✓									
.24	1/22	1105	Body-2-OFM-F1-1091	O	1	✓								✓									

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[signature]	1/22/09	7:00
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RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION: [signature]	1-23-09	1000

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.2
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

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C.O.C. PAGE # 3 OF 5

49088

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: JIM ALFONSI
COMPANY: O'BRIEN & GERE
ADDRESS: 37000 GRAND RIVER AVE SUITE 260
CITY: FARMINGTON HILLS | STATE: MI | ZIP CODE: 48335
PHONE NO.: 248-477-5701 | FAX NO.: | P.O. NO.:
E-MAIL ADDRESS: ~~[illegible]~~ alfonsjm@obg.com | QUOTE NO.:

INVOICE TO

CONTACT NAME: | X SAME
COMPANY:
ADDRESS:
CITY: | STATE: | ZIP CODE:
PHONE NO.: | FAX NO.: | P.O. NO.:

PROJECT NO./NAME: MORAINE
SAMPLER(S) - PLEASE PRINT/SIGN NAME: COX CC / PALMIERI JP

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TOTAL RCRA 8 METALS	PCB	SVOC	VOC	SPECIAL INSTRUCTIONS/NOTES
39650.25	1/22	1055	BODY-2-DRN-FI-1069	SD	1	✓							✓	✓	✓	✓	
.26	1/22	1110	BODY-2-MIS-FI-1071	M	1	✓								✓			
.27	1/22	1120	BODY-M-DUS-FI-1072	SD	1	✓							✓	✓			
.28	1/22	1070	BODY-2-DUC-FI-1070	SD	1	✓							✓	✓			
	~~1/22~~	~~1240~~	~~BODY-M-OFM-FI-1082~~	~~O~~	~~1~~	~~✓~~								~~✓~~			
	~~1/22~~	~~1250~~	~~BODY-M-OFM-FI-1085~~	~~O~~	~~1~~	~~✓~~								~~✓~~			
.29	1/22	1240	GENA-M-OFM-FI-1082	O	1	✓								✓			
.30	1/22	1250	GENA-M-OFM-FI-1085	O	1	✓								✓			
.31	1/22	1310	GENA-M-OFM-FI-1081	O	1	✓								✓			
.32	1/22	1320	GENA-M-OFM-FI-1086	O	1	✓								✓			
.33	1/22	1330	GENA-M-OFM-FI-1083	O	1	✓								✓			
.34	1/22	1340	GENA-1-OFM-FI-1200	O	1	✓								✓			

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RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE 1-23-09	TIME 1000
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4.2

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 4 OF 5

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CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: O'Brien & Gere
ADDRESS: 37000 Grand River Ave Suite 200
CITY: Farmington Hills STATE: MI ZIP CODE: 48335
PHONE NO.: 248-477-5701 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: alfonsjm@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: Moraine
SAMPLER(S) - PLEASE PRINT/SIGN NAME: COX CC / Palmieri

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TOTAL RCRA 8 METALS	PCB	SVOC	VOC	SPECIAL INSTRUCTIONS/NOTES
39650.35	1/22	1405	GENA-1-PIT-FI-1044	SD	1	✓							✓	✓	✓		
.36		1400	GENA-1-DRL-FI-1207	M	1	✓								✓			60 cm² Area of drill bit
.37		1440	Body-1-RRT-FI-1208	SD	1	✓							✓	✓	✓		
.38		1445	Body-1-BMP-FI-1209	SD	1	✓							✓	✓	✓		
.39		1455	Body-1-DRN-FI-1030	SD	1	✓							✓	✓	✓	✓	
.40		1510	Body-1-FLR-FI-1049	SD	1	✓							✓	✓	✓	✓	
.41		1511	Body-1-FLR-FI-1210	SD	1	✓							✓	✓	✓	✓	
.42		1550	Body-1-FLR-FI-1034	SD	1	✓							✓	✓	✓	✓	
.43		1605	Body-1-FLR-FI-1033	SD	1	✓							✓	✓	✓	✓	
.44		1630	Body-B-WAL-FI-1211	SD	1	✓							✓	✓	✓	—	
.45		1640	Body-B-WAL-FI-1051	SD	1	✓							✓	✓	✓		*
.46		1640	Body-B-FLR-FI-1055														*

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[signature]	1/22/09	7:00p
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RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION: Paula [signature]	1-23-09	1000

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.2
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 5 OF 5

49090

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: JIM ALFONSI
COMPANY: O'BRIEN & GERE
ADDRESS: 37000 GRAND RIVER AVE SUITE 260
CITY: FARMINGTON HILLS STATE: MI ZIP CODE: 48335
PHONE NO.: 248-477-5701 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: alfonsjm@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: Moraine
SAMPLER(S) - PLEASE PRINT/SIGN NAME: COX CR/ PALMIERI JP

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TOTAL RCRA 8	PCB	SVOC	VOC	SPECIAL INSTRUCTIONS/NOTES
39650	~~1/22~~	~~1700~~	~~BODY-FLR-JP~~														
.47	1/22	1700	BODY-B-FLR-FI-1212	SD	1	✓							✓	✓	✓		
			~~BODY-B-FLR-JP~~														
.48			BODY-B-DUP-FI-1213	SD	1	✓							✓	✓	✓		

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[signature]	1/22/09	7:00
RECEIVED BY: SIGNATURE/ORGANIZATION: FEDEX 8664 1019 6794	1/22/09	7:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION: [signature]	1-23-09	1000

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4.2

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S39678.01(01)
Generated on 02/05/2009

Report to

Attention: Jim Alfonsi
O'Brien & Gere Engineers
37000 Grand River Ave.
Suite 260
Farmington, MI 48335

Phone: 248-477-5701 FAX: 248-477-5962
Email: AlfonsJM@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S39678.01-S39678.41
Project: GM Moraine
Collected Date: 01/23/2009
Submitted Date/Time: 01/27/2009 10:15
Sampled by: Cox/ Palmieri
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Violetta F. Murshak
Laboratory Director

Analytical Laboratory Report

Sample Summary (41 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S39678.01	BODY-B-PIT-F1-1054	Wastewater	01/23/2009 06:15
S39678.02	BODY-B-PIT-F1-1052	Sludge	01/23/2009 06:25
S39678.03	BODY-B-CTN-F1-1053	Solid	01/23/2009 06:35
S39678.04	BODY-B-PIT-F1-1059	Sludge	01/23/2009 06:50
S39678.05	BODY-B-SMP-F1-1060	Solid	01/23/2009 07:10
S39678.06	BODY-B-TRN-F1-1061	Solid	01/23/2009 07:25
S39678.07	BODY-B-SMP-F1-1163	Solid	01/23/2009 07:30
S39678.08	BODY-B-SMP-F1-1143	Solid	01/23/2009 07:40
S39678.09	BODY-B-Sump-F1-1056	Sludge	01/23/2009 08:25
S39678.10	BODY-B-Sump-F1-1145	Sludge	01/23/2009 08:30
S39678.11	BODY-3-ROF-F1-1137	Sludge	01/23/2009 09:25
S39678.12	BODY-3-ROF-F1-1195	Sludge	01/23/2009 09:35
S39678.13	BODY-2-OFM-F1-1215	Wipe	01/23/2009 09:45
S39678.14	BODY-2-BLNK-F1-1216	Wipe	01/23/2009 10:00
S39678.15	BODY-2-DRL-F1-1217	Wipe	01/23/2009 10:00
S39678.16	BODY-2-FLR-F1-1068	Wipe	01/23/2009 10:00
S39678.17	PANT-2-OFM-F1-1097	Oil	01/23/2009 11:00
S39678.18	PANT-3-OVN-F1-1058	Solid	01/23/2009 11:05
S39678.19	PANT-1-PIT-F1-1095	Sludge	01/23/2009 11:50
S39678.20	PANT-1-OFM-F1-1093	Oil	01/23/2009 12:50
S39678.21	PANT-1-OFM-F1-1098	Oil	01/23/2009 12:10
S39678.22	PANT-1-OFM-F1-1094	Oil	01/23/2009 12:10
S39678.23	PANT-1-TRN-F1-1078	Solid	01/23/2009 13:35
S39678.24	PANT-1-TRN-F1-1079	Solid	01/23/2009 13:40
S39678.25	PANT-1-FTR-F1-1066	Solid	01/23/2009 13:50
S39678.26	PANT-1-PAD-F1-1080	Solid	01/23/2009 14:00
S39678.27	PANT-1-DUP-F1-1218	Solid	01/23/2009 14:00
S39678.28	PANT-2-OFM-F1-1133	Wipe	01/23/2009 14:20
S39678.29	PANT-2-OFM-F1-1132	Wipe	01/23/2009 14:30
S39678.30	PANT-1-FLR-F1-1063	Solid	01/23/2009 14:40
S39678.31	BODY-3-FLR-F1-1138	Solid	01/23/2009 15:10
S39678.32	PANT-1-SMP-F1-1167	Solid	01/23/2009 12:05
S39678.33	PANT-R-ROF-F1-1013	Solid	01/23/2009 16:15
S39678.34	BODY-R-ROF-F1-1014	Solid	01/23/2009 16:20
S39678.35	PANT-R-ROF-F1-1015	Solid	01/23/2009 16:30
S39678.36	PANT-1-MIS-F1-1065	Solid	01/23/2009 13:30
S39678.37	PANT-1-OFM-F1-1095	Oil	01/23/2009 12:30
S39678.38	PANT-1-OFM-F1-1096	Oil	01/23/2009 12:20
S39678.39	PANT-1-TRN-F1-1136	Sludge	01/23/2009 12:30
S39678.40	PANT-1-CTN-F1-1074	Solid	01/23/2009 12:30
S39678.41	BODY-1-FLR-F1-1026	Solid	01/23/2009 15:15

Analytical Laboratory Report

Lab Sample ID: S39678.01
Sample Tag: BODY-B-PIT-F1-1054
Collected Date/Time: 01/23/2009 06:15
Matrix: Wastewater
COC Reference: 50766

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.4	IR
1	125ml Plastic	HNO3	Yes	4.4	IR
1	40ml Glass	HCL	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	01/29/09 19:53	EMR		
Extraction, PCB	Completed			3510C	01/29/09 16:17	TAS		
Mercury Digestion	Completed			7470A	01/28/09 11:00	JRT		
Metal Digestion	Completed			3015A	01/30/09 12:00	SLS		
Metals								
Arsenic	Not detected	mg/L	0.001	200.8	01/30/09 12:59	SLS	7440-38-2	
Barium	0.019	mg/L	0.005	200.8	01/30/09 12:59	SLS	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	01/30/09 12:59	SLS	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	01/30/09 12:59	SLS	7440-47-3	
Lead	Not detected	mg/L	0.003	200.8	01/30/09 12:59	SLS	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	01/28/09 15:14	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	01/30/09 12:59	SLS	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	01/30/09 12:59	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB								
PCB-1016	Not detected	ug/L	0.1	608	01/30/09 12:38	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	01/30/09 12:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	01/30/09 12:38	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	01/30/09 12:38	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	01/30/09 12:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	01/30/09 12:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	01/30/09 12:38	JANB	11096-82-5	
PCB, Total	Not detected	ug/L	0.1	608	01/30/09 12:38	JANB	1336-36-3	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/L	5	8270C	01/30/09 12:28	ARH	95-48-7	
p,m-Cresol	Not detected	ug/L	5	8270C	01/30/09 12:28	ARH	3/4-Cresol	
Pentachlorophenol	Not detected	ug/L	5	8270C	01/30/09 12:28	ARH	87-86-5	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	01/30/09 12:28	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	01/30/09 12:28	ARH	88-06-2	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	01/30/09 12:28	ARH	121-14-2	
Hexachlorobenzene	Not detected	ug/L	5	8270C	01/30/09 12:28	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	01/30/09 12:28	ARH	87-68-3	
Hexachloroethane	Not detected	ug/L	5	8270C	01/30/09 12:28	ARH	67-72-1	
Nitrobenzene	Not detected	ug/L	5	8270C	01/30/09 12:28	ARH	98-95-3	
Pyridine	Not detected	ug/L	5	8270C	01/30/09 12:28	ARH	110-86-1	

Analytical Laboratory Report

Lab Sample ID: S39678.01 (continued)
Sample Tag: BODY-B-PIT-F1-1054

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/L	1	8260B	01/29/09 17:48	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/L	1	8260B	01/29/09 17:48	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	01/29/09 17:48	JGH	108-90-7	
Chloroform	Not detected	ug/L	1	8260B	01/29/09 17:48	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	01/29/09 17:48	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	01/29/09 17:48	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	01/29/09 17:48	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/L	10	8260B	01/29/09 17:48	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/L	1	8260B	01/29/09 17:48	JGH	127-18-4	
Trichloroethene	Not detected	ug/L	1	8260B	01/29/09 17:48	JGH	79-01-6	
Vinyl chloride	Not detected	ug/L	1	8260B	01/29/09 17:48	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39678.02
Sample Tag: BODY-B-PIT-F1-1052
Collected Date/Time: 01/23/2009 06:25
Matrix: Sludge
COC Reference: 50766

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/27/09 14:29	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	0.91	mg/kg	0.10	6020	01/29/09 14:02	SLS	7440-38-2	
Barium	38.2	mg/kg	1.0	6020	01/29/09 14:02	SLS	7440-39-3	
Cadmium	0.21	mg/kg	0.20	6020	01/29/09 14:02	SLS	7440-43-9	
Chromium	14.5	mg/kg	1.0	6020	01/29/09 14:02	SLS	7440-47-3	
Lead	16.6	mg/kg	0.50	6020	01/29/09 14:02	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 14:52	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 14:02	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 14:02	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/27/09 21:58	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/27/09 21:58	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/27/09 21:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/27/09 21:58	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/27/09 21:58	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/27/09 21:58	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/27/09 21:58	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	500	8270C	01/29/09 17:41	ARH	95-48-7	TX
p,m-Cresol	Not detected	ug/kg	500	8270C	01/29/09 17:41	ARH	3/4-Cresol	TX
Pentachlorophenol	Not detected	ug/kg	500	8270C	01/29/09 17:41	ARH	87-86-5	TX
2,4,5-Trichlorophenol	Not detected	ug/kg	500	8270C	01/29/09 17:41	ARH	95-95-4	TX
2,4,6-Trichlorophenol	Not detected	ug/kg	500	8270C	01/29/09 17:41	ARH	88-06-2	TX
2,4-Dinitrotoluene	Not detected	ug/kg	500	8270C	01/29/09 17:41	ARH	121-14-2	TX
Hexachlorobenzene	Not detected	ug/kg	500	8270C	01/29/09 17:41	ARH	118-74-1	TX
Hexachlorobutadiene	Not detected	ug/kg	500	8270C	01/29/09 17:41	ARH	87-68-3	TX
Hexachloroethane	Not detected	ug/kg	500	8270C	01/29/09 17:41	ARH	67-72-1	TX
Nitrobenzene	Not detected	ug/kg	500	8270C	01/29/09 17:41	ARH	98-95-3	TX
Pyridine	Not detected	ug/kg	500	8270C	01/29/09 17:41	ARH	110-86-1	TX
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	100	8260B	01/30/09 20:46	JGH	71-43-2	

T-No correction for total solids X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39678.02 (continued)
Sample Tag: BODY-B-PIT-F1-1052

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	100	8260B	01/30/09 20:46	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	100	8260B	01/30/09 20:46	JGH	108-90-7	
Chloroform	Not detected	ug/kg	100	8260B	01/30/09 20:46	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B	01/30/09 20:46	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	100	8260B	01/30/09 20:46	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	100	8260B	01/30/09 20:46	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	1,000	8260B	01/30/09 20:46	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	100	8260B	01/30/09 20:46	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	100	8260B	01/30/09 20:46	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	100	8260B	01/30/09 20:46	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39678.03
Sample Tag: BODY-B-CTN-F1-1053
Collected Date/Time: 01/23/2009 06:35
Matrix: Solid
COC Reference: 50766

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/27/09 14:29	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	2.50	mg/kg	0.10	6020	01/29/09 14:05	SLS	7440-38-2	
Barium	42.6	mg/kg	1.0	6020	01/29/09 14:05	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 14:05	SLS	7440-43-9	
Chromium	8.7	mg/kg	1.0	6020	01/29/09 14:05	SLS	7440-47-3	
Lead	3.32	mg/kg	0.50	6020	01/29/09 14:05	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:10	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 14:05	SLS	7782-49-2	
Silver	0.12	mg/kg	0.10	6020	01/29/09 14:05	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/29/09 20:22	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/29/09 20:22	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/29/09 20:22	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/29/09 20:22	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/29/09 20:22	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/29/09 20:22	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/29/09 20:22	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	01/29/09 14:07	ARH	95-48-7	ST
p,m-Cresol	Not detected	ug/kg	300	8270C	01/29/09 14:07	ARH	3/4-Cresol	ST
Pentachlorophenol	Not detected	ug/kg	300	8270C	01/29/09 14:07	ARH	87-86-5	ST
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 14:07	ARH	95-95-4	ST
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 14:07	ARH	88-06-2	ST
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	01/29/09 14:07	ARH	121-14-2	ST
Hexachlorobenzene	Not detected	ug/kg	300	8270C	01/29/09 14:07	ARH	118-74-1	ST
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	01/29/09 14:07	ARH	87-68-3	ST
Hexachloroethane	Not detected	ug/kg	300	8270C	01/29/09 14:07	ARH	67-72-1	ST
Nitrobenzene	Not detected	ug/kg	300	8270C	01/29/09 14:07	ARH	98-95-3	ST
Pyridine	Not detected	ug/kg	300	8270C	01/29/09 14:07	ARH	110-86-1	ST
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 16:51	JGH	71-43-2	

S-Surrogate recovery outside of control limits T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.03 (continued)
Sample Tag: BODY-B-CTN-F1-1053

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 16:51	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 16:51	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 16:51	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 16:51	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 16:51	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 16:51	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 16:51	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 16:51	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 16:51	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 16:51	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39678.04
Sample Tag: BODY-B-PIT-F1-1059
Collected Date/Time: 01/23/2009 06:50
Matrix: Sludge
COC Reference: 50766

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/27/09 14:29	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	1.26	mg/kg	0.10	6020	01/29/09 14:08	SLS	7440-38-2	
Barium	55.3	mg/kg	1.0	6020	01/29/09 14:08	SLS	7440-39-3	
Cadmium	0.43	mg/kg	0.20	6020	01/29/09 14:08	SLS	7440-43-9	
Chromium	42.8	mg/kg	1.0	6020	01/29/09 14:08	SLS	7440-47-3	
Lead	15.0	mg/kg	0.50	6020	01/29/09 14:08	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 14:54	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 14:08	SLS	7782-49-2	
Silver	0.15	mg/kg	0.10	6020	01/29/09 14:08	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/27/09 22:19	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/27/09 22:19	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/27/09 22:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/27/09 22:19	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/27/09 22:19	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/27/09 22:19	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/27/09 22:19	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	500	8270C	01/29/09 18:08	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	500	8270C	01/29/09 18:08	ARH	3/4-Cresol	XT
Pentachlorophenol	Not detected	ug/kg	500	8270C	01/29/09 18:08	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	500	8270C	01/29/09 18:08	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	500	8270C	01/29/09 18:08	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	500	8270C	01/29/09 18:08	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	500	8270C	01/29/09 18:08	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	500	8270C	01/29/09 18:08	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	500	8270C	01/29/09 18:08	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	500	8270C	01/29/09 18:08	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	500	8270C	01/29/09 18:08	ARH	110-86-1	XT
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 17:09	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference T-No correction for total solids

Lab Sample ID: S39678.04 (continued)
Sample Tag: BODY-B-PIT-F1-1059

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 17:09	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 17:09	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 17:09	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 17:09	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 17:09	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 17:09	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 17:09	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 17:09	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 17:09	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 17:09	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39678.05
Sample Tag: BODY-B-SMP-F1-1060
Collected Date/Time: 01/23/2009 07:10
Matrix: Solid
COC Reference: 50766

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/27/09 14:29	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	1.37	mg/kg	0.10	6020	01/29/09 14:11	SLS	7440-38-2	
Barium	71.1	mg/kg	1.0	6020	01/29/09 14:11	SLS	7440-39-3	
Cadmium	9.35	mg/kg	0.20	6020	01/29/09 14:11	SLS	7440-43-9	
Chromium	36.0	mg/kg	1.0	6020	01/29/09 14:11	SLS	7440-47-3	
Lead	328	mg/kg	0.50	6020	01/29/09 14:11	SLS	7439-92-1	
Mercury	0.747	mg/kg	0.050	7471A	01/29/09 14:55	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 14:11	SLS	7782-49-2	
Silver	2.11	mg/kg	0.10	6020	01/29/09 14:11	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 14:30	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 14:30	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 14:30	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 14:30	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 14:30	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 14:30	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 14:30	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	7,000	8270C	01/29/09 18:34	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	7,000	8270C	01/29/09 18:34	ARH	3/4-Cresol	XT
Pentachlorophenol	Not detected	ug/kg	7,000	8270C	01/29/09 18:34	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	7,000	8270C	01/29/09 18:34	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	7,000	8270C	01/29/09 18:34	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	7,000	8270C	01/29/09 18:34	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	7,000	8270C	01/29/09 18:34	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	7,000	8270C	01/29/09 18:34	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	7,000	8270C	01/29/09 18:34	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	7,000	8270C	01/29/09 18:34	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	7,000	8270C	01/29/09 18:34	ARH	110-86-1	XT

X-Elevated reporting limit due to matrix interference T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.06
Sample Tag: BODY-B-TRN-F1-1061
Collected Date/Time: 01/23/2009 07:25
Matrix: Solid
COC Reference: 50766

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/27/09 14:29	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	6.85	mg/kg	0.10	6020	01/29/09 14:46	SLS	7440-38-2	
Barium	649	mg/kg	1.0	6020	01/29/09 14:46	SLS	7440-39-3	
Cadmium	69.00	mg/kg	0.20	6020	01/29/09 14:46	SLS	7440-43-9	
Chromium	173	mg/kg	1.0	6020	01/29/09 14:46	SLS	7440-47-3	
Lead	879	mg/kg	0.50	6020	01/29/09 14:46	SLS	7439-92-1	
Mercury	5.736	mg/kg	0.050	7471A	01/29/09 14:58	JRT	7439-97-6	
Selenium	0.96	mg/kg	0.20	6020	01/29/09 14:46	SLS	7782-49-2	
Silver	0.44	mg/kg	0.10	6020	01/29/09 14:46	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 14:41	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 14:41	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 14:41	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 14:41	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 14:41	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 14:41	JANB	11097-69-1	J
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 14:41	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	500	8270C	01/29/09 19:01	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	500	8270C	01/29/09 19:01	ARH	3/4-Cresol	XT
Pentachlorophenol	Not detected	ug/kg	500	8270C	01/29/09 19:01	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	500	8270C	01/29/09 19:01	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	500	8270C	01/29/09 19:01	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	500	8270C	01/29/09 19:01	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	500	8270C	01/29/09 19:01	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	500	8270C	01/29/09 19:01	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	500	8270C	01/29/09 19:01	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	500	8270C	01/29/09 19:01	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	500	8270C	01/29/09 19:01	ARH	110-86-1	XT

J-Estimated value less than reporting limit, but greater than MDL
X-Elevated reporting limit due to matrix interference T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.07
Sample Tag: BODY-B-SMP-F1-1163
Collected Date/Time: 01/23/2009 07:30
Matrix: Solid
COC Reference: 50766

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/27/09 14:29	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	53.4	mg/kg	0.10	6020	01/29/09 14:49	SLS	7440-38-2	
Barium	981	mg/kg	1.0	6020	01/29/09 16:11	SLS	7440-39-3	
Cadmium	339.2	mg/kg	0.20	6020	01/29/09 16:11	SLS	7440-43-9	
Chromium	97.8	mg/kg	1.0	6020	01/29/09 14:49	SLS	7440-47-3	
Lead	3,090	mg/kg	0.50	6020	01/29/09 16:11	SLS	7439-92-1	
Mercury	13.920	mg/kg	0.050	7471A	01/29/09 15:00	JRT	7439-97-6	
Selenium	11.2	mg/kg	0.20	6020	01/29/09 14:49	SLS	7782-49-2	
Silver	1.69	mg/kg	0.10	6020	01/29/09 14:49	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/29/09 12:21	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/29/09 12:21	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/29/09 12:21	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/29/09 12:21	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/29/09 12:21	JANB	12672-29-6	
PCB-1254	1,000	ug/kg	330	8082	01/29/09 12:21	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/29/09 12:21	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	500	8270C	01/29/09 19:27	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	500	8270C	01/29/09 19:27	ARH	3/4-Cresol	XT
Pentachlorophenol	Not detected	ug/kg	500	8270C	01/29/09 19:27	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	500	8270C	01/29/09 19:27	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	500	8270C	01/29/09 19:27	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	500	8270C	01/29/09 19:27	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	500	8270C	01/29/09 19:27	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	500	8270C	01/29/09 19:27	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	500	8270C	01/29/09 19:27	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	500	8270C	01/29/09 19:27	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	500	8270C	01/29/09 19:27	ARH	110-86-1	XT

X-Elevated reporting limit due to matrix interference T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.08
Sample Tag: BODY-B-SMP-F1-1143
Collected Date/Time: 01/23/2009 07:40
Matrix: Solid
COC Reference: 50766

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/27/09 14:29	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	32.1	mg/kg	0.10	6020	01/29/09 14:52	SLS	7440-38-2	
Barium	3,680	mg/kg	1.0	6020	01/29/09 16:14	SLS	7440-39-3	
Cadmium	83.48	mg/kg	0.20	6020	01/29/09 14:52	SLS	7440-43-9	
Chromium	57.7	mg/kg	1.0	6020	01/29/09 14:52	SLS	7440-47-3	
Lead	501	mg/kg	0.50	6020	01/29/09 14:52	SLS	7439-92-1	
Mercury	7.861	mg/kg	0.050	7471A	01/29/09 15:02	JRT	7439-97-6	
Selenium	4.47	mg/kg	0.20	6020	01/29/09 14:52	SLS	7782-49-2	
Silver	2.75	mg/kg	0.10	6020	01/29/09 14:52	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/29/09 12:31	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/29/09 12:31	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/29/09 12:31	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/29/09 12:31	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/29/09 12:31	JANB	12672-29-6	
PCB-1254	800	ug/kg	330	8082	01/29/09 12:31	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/29/09 12:31	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	01/29/09 15:00	ARH	95-48-7	T
p,m-Cresol	Not detected	ug/kg	300	8270C	01/29/09 15:00	ARH	3/4-Cresol	T
Pentachlorophenol	Not detected	ug/kg	300	8270C	01/29/09 15:00	ARH	87-86-5	T
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 15:00	ARH	95-95-4	T
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 15:00	ARH	88-06-2	T
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	01/29/09 15:00	ARH	121-14-2	T
Hexachlorobenzene	Not detected	ug/kg	300	8270C	01/29/09 15:00	ARH	118-74-1	T
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	01/29/09 15:00	ARH	87-68-3	T
Hexachloroethane	Not detected	ug/kg	300	8270C	01/29/09 15:00	ARH	67-72-1	T
Nitrobenzene	Not detected	ug/kg	300	8270C	01/29/09 15:00	ARH	98-95-3	T
Pyridine	Not detected	ug/kg	300	8270C	01/29/09 15:00	ARH	110-86-1	T

T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.09
Sample Tag: BODY-B-Sump-F1-1056
Collected Date/Time: 01/23/2009 08:25
Matrix: Sludge
COC Reference: 50766

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/27/09 14:29	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	4.38	mg/kg	0.10	6020	01/29/09 14:55	SLS	7440-38-2	
Barium	105	mg/kg	1.0	6020	01/29/09 14:55	SLS	7440-39-3	
Cadmium	8.45	mg/kg	0.20	6020	01/29/09 14:55	SLS	7440-43-9	
Chromium	22.3	mg/kg	1.0	6020	01/29/09 14:55	SLS	7440-47-3	
Lead	213	mg/kg	0.50	6020	01/29/09 14:55	SLS	7439-92-1	
Mercury	0.307	mg/kg	0.050	7471A	01/29/09 15:04	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 14:55	SLS	7782-49-2	
Silver	0.52	mg/kg	0.10	6020	01/29/09 14:55	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/29/09 20:01	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/09 20:01	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/09 20:01	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/09 20:01	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/09 20:01	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/29/09 20:01	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/09 20:01	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	700	8270C	01/29/09 19:54	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	700	8270C	01/29/09 19:54	ARH	3/4-Cresol	XT
Pentachlorophenol	Not detected	ug/kg	700	8270C	01/29/09 19:54	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	700	8270C	01/29/09 19:54	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	700	8270C	01/29/09 19:54	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	700	8270C	01/29/09 19:54	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	700	8270C	01/29/09 19:54	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	700	8270C	01/29/09 19:54	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	700	8270C	01/29/09 19:54	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	700	8270C	01/29/09 19:54	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	700	8270C	01/29/09 19:54	ARH	110-86-1	XT
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 17:27	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.09 (continued)
Sample Tag: BODY-B-Sump-F1-1056

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 17:27	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 17:27	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 17:27	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 17:27	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 17:27	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 17:27	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 17:27	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 17:27	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 17:27	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 17:27	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39678.10
Sample Tag: BODY-B-Sump-F1-1145
Collected Date/Time: 01/23/2009 08:30
Matrix: Sludge
COC Reference: 50766

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 17:05	DLR		
Extraction, PCB	Completed			3550B	01/27/09 14:29	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	3.07	mg/kg	0.10	6020	01/29/09 14:58	SLS	7440-38-2	
Barium	65.9	mg/kg	1.0	6020	01/29/09 14:58	SLS	7440-39-3	
Cadmium	7.32	mg/kg	0.20	6020	01/29/09 14:58	SLS	7440-43-9	
Chromium	51.9	mg/kg	1.0	6020	01/29/09 14:58	SLS	7440-47-3	
Lead	211	mg/kg	0.50	6020	01/29/09 14:58	SLS	7439-92-1	
Mercury	0.744	mg/kg	0.050	7471A	01/29/09 15:05	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 14:58	SLS	7782-49-2	
Silver	0.71	mg/kg	0.10	6020	01/29/09 14:58	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/29/09 21:36	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/09 21:36	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/09 21:36	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/09 21:36	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/09 21:36	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/29/09 21:36	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/09 21:36	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	01/29/09 14:34	ARH	95-48-7	T
p,m-Cresol	Not detected	ug/kg	300	8270C	01/29/09 14:34	ARH	3/4-Cresol	T
Pentachlorophenol	Not detected	ug/kg	300	8270C	01/29/09 14:34	ARH	87-86-5	T
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 14:34	ARH	95-95-4	T
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	01/29/09 14:34	ARH	88-06-2	T
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	01/29/09 14:34	ARH	121-14-2	T
Hexachlorobenzene	Not detected	ug/kg	300	8270C	01/29/09 14:34	ARH	118-74-1	T
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	01/29/09 14:34	ARH	87-68-3	T
Hexachloroethane	Not detected	ug/kg	300	8270C	01/29/09 14:34	ARH	67-72-1	T
Nitrobenzene	Not detected	ug/kg	300	8270C	01/29/09 14:34	ARH	98-95-3	T
Pyridine	Not detected	ug/kg	300	8270C	01/29/09 14:34	ARH	110-86-1	T
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 17:45	JGH	71-43-2	

T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.10 (continued)
Sample Tag: BODY-B-Sump-F1-1145

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 17:45	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 17:45	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 17:45	JGH	67-66-3	
1,4-Dichlorobenzene	290	ug/kg	50	8260B	01/30/09 17:45	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 17:45	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 17:45	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 17:45	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 17:45	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 17:45	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 17:45	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39678.11
Sample Tag: BODY-3-ROF-F1-1137
Collected Date/Time: 01/23/2009 09:25
Matrix: Sludge
COC Reference: 50766

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/27/09 14:29	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	40.1	mg/kg	0.10	6020	01/29/09 15:01	SLS	7440-38-2	
Barium	255	mg/kg	1.0	6020	01/29/09 15:01	SLS	7440-39-3	
Cadmium	1.67	mg/kg	0.20	6020	01/29/09 15:01	SLS	7440-43-9	
Chromium	24.2	mg/kg	1.0	6020	01/29/09 15:01	SLS	7440-47-3	
Lead	120	mg/kg	0.50	6020	01/29/09 15:01	SLS	7439-92-1	
Mercury	0.070	mg/kg	0.050	7471A	01/29/09 15:08	JRT	7439-97-6	
Selenium	0.44	mg/kg	0.20	6020	01/29/09 15:01	SLS	7782-49-2	
Silver	0.63	mg/kg	0.10	6020	01/29/09 15:01	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/29/09 22:07	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/09 22:07	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/09 22:07	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/09 22:07	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/09 22:07	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/29/09 22:07	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/09 22:07	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.12
Sample Tag: BODY-3-ROF-F1-1195
Collected Date/Time: 01/23/2009 09:35
Matrix: Sludge
COC Reference: 50766

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/27/09 14:29	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	6.85	mg/kg	0.10	6020	01/29/09 15:07	SLS	7440-38-2	
Barium	297	mg/kg	1.0	6020	01/29/09 15:07	SLS	7440-39-3	
Cadmium	1.82	mg/kg	0.20	6020	01/29/09 15:07	SLS	7440-43-9	
Chromium	301	mg/kg	1.0	6020	01/29/09 15:07	SLS	7440-47-3	
Lead	989	mg/kg	0.50	6020	01/29/09 15:07	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:19	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:07	SLS	7782-49-2	
Silver	0.10	mg/kg	0.10	6020	01/29/09 15:07	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 15:02	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 15:02	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 15:02	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 15:02	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 15:02	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 15:02	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 15:02	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.13
Sample Tag: BODY-2-OFM-F1-1215
Collected Date/Time: 01/23/2009 09:45
Matrix: Wipe
COC Reference: 50767

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/27/09 14:30	CEM		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/27/09 23:01	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/27/09 23:01	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/27/09 23:01	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/27/09 23:01	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/27/09 23:01	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/27/09 23:01	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/27/09 23:01	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.14
Sample Tag: BODY-2-BLNK-F1-1216
Collected Date/Time: 01/23/2009 10:00
Matrix: Wipe
COC Reference: 50767

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/27/09 14:30	CEM		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/27/09 23:11	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/27/09 23:11	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/27/09 23:11	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/27/09 23:11	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/27/09 23:11	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/27/09 23:11	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/27/09 23:11	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.15
Sample Tag: BODY-2-DRL-F1-1217
Collected Date/Time: 01/23/2009 10:00
Matrix: Wipe
COC Reference: 50767

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/28/09 16:38	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/28/09 16:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/28/09 16:38	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/28/09 16:38	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/28/09 16:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/28/09 16:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/28/09 16:38	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.16
Sample Tag: BODY-2-FLR-F1-1068
Collected Date/Time: 01/23/2009 10:00
Matrix: Wipe
COC Reference: 50767

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/29/09 22:18	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/29/09 22:18	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/29/09 22:18	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/29/09 22:18	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/29/09 22:18	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/29/09 22:18	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/29/09 22:18	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.17
Sample Tag: PANT-2-OFM-F1-1097
Collected Date/Time: 01/23/2009 11:00
Matrix: Oil
COC Reference: 50767

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/29/09 22:28	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/09 22:28	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/09 22:28	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/09 22:28	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/09 22:28	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/29/09 22:28	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/09 22:28	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.18
Sample Tag: PANT-3-OVN-F1-1058
Collected Date/Time: 01/23/2009 11:05
Matrix: Solid
COC Reference: 50767

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	0.18	mg/kg	0.10	6020	01/29/09 15:11	SLS	7440-38-2	
Barium	5.7	mg/kg	1.0	6020	01/29/09 15:11	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 15:11	SLS	7440-43-9	
Chromium	2.7	mg/kg	1.0	6020	01/29/09 15:11	SLS	7440-47-3	
Lead	4.96	mg/kg	0.50	6020	01/29/09 15:11	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:21	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:11	SLS	7782-49-2	
Silver	9.29	mg/kg	0.10	6020	01/29/09 15:11	SLS	7440-22-4	

Analytical Laboratory Report

Lab Sample ID: S39678.19
Sample Tag: PANT-1-PIT-F1-1095
Collected Date/Time: 01/23/2009 11:50
Matrix: Sludge
COC Reference: 50767

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 21:07	EMR		
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Metals								
Arsenic	Not detected	mg/kg	0.10	6020	01/30/09 13:31	SLS	7440-38-2	
Barium	2.6	mg/kg	1.0	6020	01/30/09 13:31	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/30/09 13:31	SLS	7440-43-9	
Chromium	3.0	mg/kg	1.0	6020	01/30/09 13:31	SLS	7440-47-3	
Lead	Not detected	mg/kg	0.50	6020	01/30/09 13:31	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:29	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 13:31	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/30/09 13:31	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/29/09 20:43	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/09 20:43	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/09 20:43	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/09 20:43	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/09 20:43	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/29/09 20:43	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/09 20:43	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	1,000	8270C	01/30/09 13:47	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	1,000	8270C	01/30/09 13:47	ARH	3/4-Cresol	XT
Pentachlorophenol	Not detected	ug/kg	1,000	8270C	01/30/09 13:47	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	1,000	8270C	01/30/09 13:47	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	1,000	8270C	01/30/09 13:47	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	1,000	8270C	01/30/09 13:47	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	1,000	8270C	01/30/09 13:47	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	1,000	8270C	01/30/09 13:47	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	1,000	8270C	01/30/09 13:47	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	1,000	8270C	01/30/09 13:47	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	1,000	8270C	01/30/09 13:47	ARH	110-86-1	XT
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	100	8260B	01/30/09 21:04	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference T-No correction for total solids

Lab Sample ID: S39678.19 (continued)
Sample Tag: PANT-1-PIT-F1-1095

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	100	8260B	01/30/09 21:04	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	100	8260B	01/30/09 21:04	JGH	108-90-7	
Chloroform	Not detected	ug/kg	100	8260B	01/30/09 21:04	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	100	8260B	01/30/09 21:04	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	100	8260B	01/30/09 21:04	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	100	8260B	01/30/09 21:04	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	1,000	8260B	01/30/09 21:04	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	100	8260B	01/30/09 21:04	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	100	8260B	01/30/09 21:04	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	100	8260B	01/30/09 21:04	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39678.20
Sample Tag: PANT-1-OFM-F1-1093
Collected Date/Time: 01/23/2009 12:50
Matrix: Oil
COC Reference: 50767

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/29/09 22:39	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/09 22:39	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/09 22:39	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/09 22:39	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/09 22:39	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/29/09 22:39	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/09 22:39	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.21
Sample Tag: PANT-1-OFM-F1-1098
Collected Date/Time: 01/23/2009 12:10
Matrix: Oil
COC Reference: 50767

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/29/09 23:00	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/09 23:00	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/09 23:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/09 23:00	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/09 23:00	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/29/09 23:00	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/09 23:00	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.22
Sample Tag: PANT-1-OFM-F1-1094
Collected Date/Time: 01/23/2009 12:10
Matrix: Oil
COC Reference: 50767

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/29/09 23:10	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/09 23:10	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/09 23:10	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/09 23:10	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/09 23:10	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/29/09 23:10	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/09 23:10	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.23
Sample Tag: PANT-1-TRN-F1-1078
Collected Date/Time: 01/23/2009 13:35
Matrix: Solid
COC Reference: 50770

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 21:07	EMR		
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Metals								
Arsenic	Not detected	mg/kg	0.10	6020	01/30/09 13:34	SLS	7440-38-2	
Barium	13.6	mg/kg	1.0	6020	01/30/09 13:34	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/30/09 13:34	SLS	7440-43-9	
Chromium	1.3	mg/kg	1.0	6020	01/30/09 13:34	SLS	7440-47-3	
Lead	7.64	mg/kg	0.50	6020	01/30/09 13:34	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:31	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 13:34	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/30/09 13:34	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/29/09 23:32	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/09 23:32	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/09 23:32	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/09 23:32	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/09 23:32	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/29/09 23:32	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/09 23:32	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	700	8270C	01/30/09 14:14	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	700	8270C	01/30/09 14:14	ARH	3/4-Cresol	XT
Pentachlorophenol	Not detected	ug/kg	700	8270C	01/30/09 14:14	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	700	8270C	01/30/09 14:14	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	700	8270C	01/30/09 14:14	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	700	8270C	01/30/09 14:14	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	700	8270C	01/30/09 14:14	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	700	8270C	01/30/09 14:14	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	700	8270C	01/30/09 14:14	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	700	8270C	01/30/09 14:14	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	700	8270C	01/30/09 14:14	ARH	110-86-1	XT
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 18:04	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference T-No correction for total solids

Lab Sample ID: S39678.23 (continued)
Sample Tag: PANT-1-TRN-F1-1078

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 18:04	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 18:04	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 18:04	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 18:04	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 18:04	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 18:04	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 18:04	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 18:04	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 18:04	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 18:04	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39678.24
Sample Tag: PANT-1-TRN-F1-1079
Collected Date/Time: 01/23/2009 13:40
Matrix: Solid
COC Reference: 50770

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 21:07	EMR		
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	Not detected	mg/kg	0.10	6020	01/29/09 15:14	SLS	7440-38-2	
Barium	2.6	mg/kg	1.0	6020	01/29/09 15:14	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 15:14	SLS	7440-43-9	
Chromium	3.5	mg/kg	1.0	6020	01/29/09 15:14	SLS	7440-47-3	
Lead	Not detected	mg/kg	0.50	6020	01/29/09 15:14	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:33	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:14	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 15:14	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 12:49	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 12:49	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 12:49	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 12:49	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 12:49	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 12:49	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 12:49	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	1,000	8270C	01/30/09 14:40	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	1,000	8270C	01/30/09 14:40	ARH	3/4-Cresol	XT
Pentachlorophenol	Not detected	ug/kg	1,000	8270C	01/30/09 14:40	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	1,000	8270C	01/30/09 14:40	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	1,000	8270C	01/30/09 14:40	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	1,000	8270C	01/30/09 14:40	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	1,000	8270C	01/30/09 14:40	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	1,000	8270C	01/30/09 14:40	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	1,000	8270C	01/30/09 14:40	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	1,000	8270C	01/30/09 14:40	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	1,000	8270C	01/30/09 14:40	ARH	110-86-1	XT
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 18:22	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference T-No correction for total solids

Lab Sample ID: S39678.24 (continued)
Sample Tag: PANT-1-TRN-F1-1079

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 18:22	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 18:22	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 18:22	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 18:22	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 18:22	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 18:22	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 18:22	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 18:22	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 18:22	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 18:22	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39678.25
Sample Tag: PANT-1-FTR-F1-1066
Collected Date/Time: 01/23/2009 13:50
Matrix: Solid
COC Reference: 50770

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	01/28/09 12:00	PER		
Metals								
Lead	950	mg/kg	0.50	6020	01/28/09 17:07	PER	7439-92-1	

Analytical Laboratory Report

Lab Sample ID: S39678.26
Sample Tag: PANT-1-PAD-F1-1080
Collected Date/Time: 01/23/2009 14:00
Matrix: Solid
COC Reference: 50770

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 21:07	EMR		
BNA Extraction (Replicate 01)	Completed			3550B	02/02/09 21:19	DLR		
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	3.52	mg/kg	0.10	6020	01/29/09 15:17	SLS	7440-38-2	
Barium	48.2	mg/kg	1.0	6020	01/29/09 15:17	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 15:17	SLS	7440-43-9	
Chromium	8.2	mg/kg	1.0	6020	01/29/09 15:17	SLS	7440-47-3	
Lead	5.45	mg/kg	0.50	6020	01/29/09 15:17	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:35	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:17	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 15:17	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/28/09 18:34	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/28/09 18:34	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/28/09 18:34	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/28/09 18:34	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/28/09 18:34	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/28/09 18:34	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/28/09 18:34	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	500	8270C	01/30/09 15:07	ARH	95-48-7	XTSL
p,m-Cresol	Not detected	ug/kg	500	8270C	01/30/09 15:07	ARH	3/4-Cresol	XTSL
Pentachlorophenol	Not detected	ug/kg	500	8270C	01/30/09 15:07	ARH	87-86-5	XTSL
2,4,5-Trichlorophenol	Not detected	ug/kg	500	8270C	01/30/09 15:07	ARH	95-95-4	XTSL
2,4,6-Trichlorophenol	Not detected	ug/kg	500	8270C	01/30/09 15:07	ARH	88-06-2	XTSL
2,4-Dinitrotoluene	Not detected	ug/kg	500	8270C	01/30/09 15:07	ARH	121-14-2	XTSL
Hexachlorobenzene	Not detected	ug/kg	500	8270C	01/30/09 15:07	ARH	118-74-1	XTSL
Hexachlorobutadiene	Not detected	ug/kg	500	8270C	01/30/09 15:07	ARH	87-68-3	XTSL
Hexachloroethane	Not detected	ug/kg	500	8270C	01/30/09 15:07	ARH	67-72-1	XTSL
Nitrobenzene	Not detected	ug/kg	500	8270C	01/30/09 15:07	ARH	98-95-3	XTSL
Pyridine	Not detected	ug/kg	500	8270C	01/30/09 15:07	ARH	110-86-1	XTSL

X-Elevated reporting limit due to matrix interference T-No correction for total solids S-Surrogate recovery outside of control limits L-Elevated reporting limit due to low sample amount

Lab Sample ID: S39678.26 (continued)
Sample Tag: PANT-1-PAD-F1-1080

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCLP Semi-Volatiles as Total (Replicate 01)								
o-Cresol	Not detected	ug/kg	300	8270C	02/04/09 16:36	ARH	95-48-7	ST
p,m-Cresol	Not detected	ug/kg	300	8270C	02/04/09 16:36	ARH	3/4-Cresol	ST
Pentachlorophenol	Not detected	ug/kg	300	8270C	02/04/09 16:36	ARH	87-86-5	ST
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	02/04/09 16:36	ARH	95-95-4	ST
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	02/04/09 16:36	ARH	88-06-2	ST
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	02/04/09 16:36	ARH	121-14-2	ST
Hexachlorobenzene	Not detected	ug/kg	300	8270C	02/04/09 16:36	ARH	118-74-1	ST
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	02/04/09 16:36	ARH	87-68-3	ST
Hexachloroethane	Not detected	ug/kg	300	8270C	02/04/09 16:36	ARH	67-72-1	ST
Nitrobenzene	Not detected	ug/kg	300	8270C	02/04/09 16:36	ARH	98-95-3	ST
Pyridine	Not detected	ug/kg	300	8270C	02/04/09 16:36	ARH	110-86-1	ST

S-Surrogate recovery outside of control limits T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.27
Sample Tag: PANT-1-DUP-F1-1218
Collected Date/Time: 01/23/2009 14:00
Matrix: Solid
COC Reference: 50770

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 21:07	EMR		
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	3.48	mg/kg	0.10	6020	01/29/09 15:33	SLS	7440-38-2	
Barium	49.1	mg/kg	1.0	6020	01/29/09 15:33	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 15:33	SLS	7440-43-9	
Chromium	8.8	mg/kg	1.0	6020	01/29/09 15:33	SLS	7440-47-3	
Lead	4.98	mg/kg	0.50	6020	01/29/09 15:33	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:37	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:33	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 15:33	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/28/09 18:45	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/28/09 18:45	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/28/09 18:45	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/28/09 18:45	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/28/09 18:45	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/28/09 18:45	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/28/09 18:45	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	01/30/09 15:34	ARH	95-48-7	ST
p,m-Cresol	Not detected	ug/kg	300	8270C	01/30/09 15:34	ARH	3/4-Cresol	ST
Pentachlorophenol	Not detected	ug/kg	300	8270C	01/30/09 15:34	ARH	87-86-5	ST
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	01/30/09 15:34	ARH	95-95-4	ST
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	01/30/09 15:34	ARH	88-06-2	ST
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	01/30/09 15:34	ARH	121-14-2	ST
Hexachlorobenzene	Not detected	ug/kg	300	8270C	01/30/09 15:34	ARH	118-74-1	ST
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	01/30/09 15:34	ARH	87-68-3	ST
Hexachloroethane	Not detected	ug/kg	300	8270C	01/30/09 15:34	ARH	67-72-1	ST
Nitrobenzene	Not detected	ug/kg	300	8270C	01/30/09 15:34	ARH	98-95-3	ST
Pyridine	Not detected	ug/kg	300	8270C	01/30/09 15:34	ARH	110-86-1	ST

S-Surrogate recovery outside of control limits T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.28
Sample Tag: PANT-2-OFM-F1-1133
Collected Date/Time: 01/23/2009 14:20
Matrix: Wipe
COC Reference: 50770

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/29/09 23:42	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/29/09 23:42	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/29/09 23:42	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/29/09 23:42	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/29/09 23:42	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/29/09 23:42	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/29/09 23:42	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.29
Sample Tag: PANT-2-OFM-F1-1132
Collected Date/Time: 01/23/2009 14:30
Matrix: Wipe
COC Reference: 50770

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/28/09 16:59	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/28/09 16:59	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/28/09 16:59	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/28/09 16:59	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/28/09 16:59	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/28/09 16:59	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/28/09 16:59	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.30
Sample Tag: PANT-1-FLR-F1-1063
Collected Date/Time: 01/23/2009 14:40
Matrix: Solid
COC Reference: 50770

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 21:07	EMR		
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	3.27	mg/kg	0.10	6020	01/29/09 15:36	SLS	7440-38-2	
Barium	46.0	mg/kg	1.0	6020	01/29/09 15:36	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 15:36	SLS	7440-43-9	
Chromium	8.0	mg/kg	1.0	6020	01/29/09 15:36	SLS	7440-47-3	
Lead	2.97	mg/kg	0.50	6020	01/29/09 15:36	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:38	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:36	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 15:36	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/28/09 18:56	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/28/09 18:56	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/28/09 18:56	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/28/09 18:56	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/28/09 18:56	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/28/09 18:56	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/28/09 18:56	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	01/30/09 16:01	ARH	95-48-7	ST
p,m-Cresol	Not detected	ug/kg	300	8270C	01/30/09 16:01	ARH	3/4-Cresol	ST
Pentachlorophenol	Not detected	ug/kg	300	8270C	01/30/09 16:01	ARH	87-86-5	ST
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	01/30/09 16:01	ARH	95-95-4	ST
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	01/30/09 16:01	ARH	88-06-2	ST
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	01/30/09 16:01	ARH	121-14-2	ST
Hexachlorobenzene	Not detected	ug/kg	300	8270C	01/30/09 16:01	ARH	118-74-1	ST
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	01/30/09 16:01	ARH	87-68-3	ST
Hexachloroethane	Not detected	ug/kg	300	8270C	01/30/09 16:01	ARH	67-72-1	ST
Nitrobenzene	Not detected	ug/kg	300	8270C	01/30/09 16:01	ARH	98-95-3	ST
Pyridine	Not detected	ug/kg	300	8270C	01/30/09 16:01	ARH	110-86-1	ST

S-Surrogate recovery outside of control limits T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.31
Sample Tag: BODY-3-FLR-F1-1138
Collected Date/Time: 01/23/2009 15:10
Matrix: Solid
COC Reference: 50770

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	2.25	mg/kg	0.10	6020	01/29/09 15:39	SLS	7440-38-2	
Barium	97.1	mg/kg	1.0	6020	01/29/09 15:39	SLS	7440-39-3	
Cadmium	0.57	mg/kg	0.20	6020	01/29/09 15:39	SLS	7440-43-9	
Chromium	500	mg/kg	1.0	6020	01/29/09 15:39	SLS	7440-47-3	
Lead	603	mg/kg	0.50	6020	01/29/09 15:39	SLS	7439-92-1	
Mercury	0.074	mg/kg	0.050	7471A	01/29/09 15:40	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:39	SLS	7782-49-2	
Silver	0.46	mg/kg	0.10	6020	01/29/09 15:39	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 15:12	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 15:12	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 15:12	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 15:12	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 15:12	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 15:12	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 15:12	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.32
Sample Tag: PANT-1-SMP-F1-1167
Collected Date/Time: 01/23/2009 12:05
Matrix: Solid
COC Reference: 50770

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 21:07	EMR		
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	1.24	mg/kg	0.10	6020	01/29/09 15:42	SLS	7440-38-2	
Barium	375	mg/kg	1.0	6020	01/29/09 15:42	SLS	7440-39-3	
Cadmium	1.81	mg/kg	0.20	6020	01/29/09 15:42	SLS	7440-43-9	
Chromium	65.0	mg/kg	1.0	6020	01/29/09 15:42	SLS	7440-47-3	
Lead	65.6	mg/kg	0.50	6020	01/29/09 15:42	SLS	7439-92-1	
Mercury	0.065	mg/kg	0.050	7471A	01/29/09 15:42	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:42	SLS	7782-49-2	
Silver	0.95	mg/kg	0.10	6020	01/29/09 15:42	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 15:23	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 15:23	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 15:23	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 15:23	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 15:23	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 15:23	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 15:23	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	1,000	8270C	01/30/09 16:28	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	1,000	8270C	01/30/09 16:28	ARH	3/4-Cresol	XT
Pentachlorophenol	Not detected	ug/kg	1,000	8270C	01/30/09 16:28	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	1,000	8270C	01/30/09 16:28	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	1,000	8270C	01/30/09 16:28	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	1,000	8270C	01/30/09 16:28	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	1,000	8270C	01/30/09 16:28	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	1,000	8270C	01/30/09 16:28	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	1,000	8270C	01/30/09 16:28	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	1,000	8270C	01/30/09 16:28	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	1,000	8270C	01/30/09 16:28	ARH	110-86-1	XT
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 18:40	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.32 (continued)
Sample Tag: PANT-1-SMP-F1-1167

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 18:40	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 18:40	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 18:40	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 18:40	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 18:40	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 18:40	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 18:40	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 18:40	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 18:40	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 18:40	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39678.33
Sample Tag: PANT-R-ROF-F1-1013
Collected Date/Time: 01/23/2009 16:15
Matrix: Solid
COC Reference: 50765

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	Not detected	mg/kg	0.10	6020	01/29/09 15:45	SLS	7440-38-2	
Barium	2.9	mg/kg	1.0	6020	01/29/09 15:45	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 15:45	SLS	7440-43-9	
Chromium	Not detected	mg/kg	1.0	6020	01/29/09 15:45	SLS	7440-47-3	
Lead	0.99	mg/kg	0.50	6020	01/29/09 15:45	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:51	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:45	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 15:45	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 15:34	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 15:34	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 15:34	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 15:34	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 15:34	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 15:34	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 15:34	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.34
Sample Tag: BODY-R-ROF-F1-1014
Collected Date/Time: 01/23/2009 16:20
Matrix: Solid
COC Reference: 50765

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	0.18	mg/kg	0.10	6020	01/29/09 15:48	SLS	7440-38-2	
Barium	2.9	mg/kg	1.0	6020	01/29/09 15:48	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 15:48	SLS	7440-43-9	
Chromium	Not detected	mg/kg	1.0	6020	01/29/09 15:48	SLS	7440-47-3	
Lead	1.61	mg/kg	0.50	6020	01/29/09 15:48	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:53	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:48	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 15:48	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 15:44	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 15:44	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 15:44	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 15:44	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 15:44	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 15:44	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 15:44	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.35
Sample Tag: PANT-R-ROF-F1-1015
Collected Date/Time: 01/23/2009 16:30
Matrix: Solid
COC Reference: 50765

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	0.31	mg/kg	0.10	6020	01/29/09 15:51	SLS	7440-38-2	
Barium	2.0	mg/kg	1.0	6020	01/29/09 15:51	SLS	7440-39-3	
Cadmium	0.25	mg/kg	0.20	6020	01/29/09 15:51	SLS	7440-43-9	
Chromium	Not detected	mg/kg	1.0	6020	01/29/09 15:51	SLS	7440-47-3	
Lead	9.47	mg/kg	0.50	6020	01/29/09 15:51	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:55	JRT	7439-97-6	
Selenium	0.20	mg/kg	0.20	6020	01/29/09 15:51	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 15:51	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/29/09 23:53	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/29/09 23:53	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/29/09 23:53	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/29/09 23:53	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/29/09 23:53	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/29/09 23:53	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/29/09 23:53	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.36
Sample Tag: PANT-1-MIS-F1-1065
Collected Date/Time: 01/23/2009 13:30
Matrix: Solid
COC Reference: 50765

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	01/28/09 12:00	PER		
Metals								
Lead	125	mg/kg	0.50	6020	01/28/09 17:08	PER	7439-92-1	

Analytical Laboratory Report

Lab Sample ID: S39678.37
Sample Tag: PANT-1-OFM-F1-1095
Collected Date/Time: 01/23/2009 12:30
Matrix: Oil
COC Reference: 50765

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 10:00	CEM		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 00:03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 00:03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 00:03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 00:03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 00:03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 00:03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 00:03	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.38
Sample Tag: PANT-1-OFM-F1-1096
Collected Date/Time: 01/23/2009 12:20
Matrix: Oil
COC Reference: 50765

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 00:25	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 00:25	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 00:25	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 00:25	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 00:25	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 00:25	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 00:25	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39678.39
Sample Tag: PANT-1-TRN-F1-1136
Collected Date/Time: 01/23/2009 12:30
Matrix: Sludge
COC Reference: 50765

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 21:07	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	0.15	mg/kg	0.10	6020	01/29/09 15:55	SLS	7440-38-2	
Barium	58.8	mg/kg	1.0	6020	01/29/09 15:55	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 15:55	SLS	7440-43-9	
Chromium	6.6	mg/kg	1.0	6020	01/29/09 15:55	SLS	7440-47-3	
Lead	1.39	mg/kg	0.50	6020	01/29/09 15:55	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:57	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:55	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 15:55	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 00:35	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 00:35	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 00:35	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 00:35	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 00:35	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 00:35	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 00:35	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	2,000	8270C	01/30/09 16:54	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	2,000	8270C	01/30/09 16:54	ARH	3/4-Cresol	XT
Pentachlorophenol	Not detected	ug/kg	2,000	8270C	01/30/09 16:54	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	2,000	8270C	01/30/09 16:54	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	2,000	8270C	01/30/09 16:54	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	01/30/09 16:54	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	2,000	8270C	01/30/09 16:54	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	2,000	8270C	01/30/09 16:54	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	2,000	8270C	01/30/09 16:54	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	2,000	8270C	01/30/09 16:54	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	2,000	8270C	01/30/09 16:54	ARH	110-86-1	XT
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 18:58	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.39 (continued)
Sample Tag: PANT-1-TRN-F1-1136

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 18:58	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 18:58	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 18:58	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 18:58	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 18:58	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 18:58	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 18:58	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 18:58	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 18:58	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 18:58	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39678.40
Sample Tag: PANT-1-CTN-F1-1074
Collected Date/Time: 01/23/2009 12:30
Matrix: Solid
COC Reference: 50765

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 21:07	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	3.71	mg/kg	0.10	6020	01/29/09 15:58	SLS	7440-38-2	
Barium	89.5	mg/kg	1.0	6020	01/29/09 15:58	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 15:58	SLS	7440-43-9	
Chromium	17.6	mg/kg	1.0	6020	01/29/09 15:58	SLS	7440-47-3	
Lead	2.57	mg/kg	0.50	6020	01/29/09 15:58	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 15:59	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 15:58	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 15:58	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/28/09 19:06	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/28/09 19:06	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/28/09 19:06	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/28/09 19:06	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/28/09 19:06	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/28/09 19:06	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/28/09 19:06	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	01/30/09 17:21	ARH	95-48-7	ST
p,m-Cresol	Not detected	ug/kg	300	8270C	01/30/09 17:21	ARH	3/4-Cresol	ST
Pentachlorophenol	Not detected	ug/kg	300	8270C	01/30/09 17:21	ARH	87-86-5	ST
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	01/30/09 17:21	ARH	95-95-4	ST
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	01/30/09 17:21	ARH	88-06-2	ST
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	01/30/09 17:21	ARH	121-14-2	ST
Hexachlorobenzene	Not detected	ug/kg	300	8270C	01/30/09 17:21	ARH	118-74-1	ST
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	01/30/09 17:21	ARH	87-68-3	ST
Hexachloroethane	Not detected	ug/kg	300	8270C	01/30/09 17:21	ARH	67-72-1	ST
Nitrobenzene	Not detected	ug/kg	300	8270C	01/30/09 17:21	ARH	98-95-3	ST
Pyridine	Not detected	ug/kg	300	8270C	01/30/09 17:21	ARH	110-86-1	ST

S-Surrogate recovery outside of control limits T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39678.41
Sample Tag: BODY-1-FLR-F1-1026
Collected Date/Time: 01/23/2009 15:15
Matrix: Solid
COC Reference: 50765

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/27/09 21:07	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:30	JRT		
Metal Digestion	Completed			3050B	01/28/09 12:00	SLS		
Metals								
Arsenic	3.03	mg/kg	0.10	6020	01/29/09 16:01	SLS	7440-38-2	
Barium	60.6	mg/kg	1.0	6020	01/29/09 16:01	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/29/09 16:01	SLS	7440-43-9	
Chromium	10.7	mg/kg	1.0	6020	01/29/09 16:01	SLS	7440-47-3	
Lead	4.40	mg/kg	0.50	6020	01/29/09 16:01	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/29/09 16:01	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/29/09 16:01	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/29/09 16:01	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/28/09 17:31	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/28/09 17:31	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/28/09 17:31	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/28/09 17:31	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/28/09 17:31	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/28/09 17:31	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/28/09 17:31	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	01/30/09 17:47	ARH	95-48-7	ST
p,m-Cresol	Not detected	ug/kg	300	8270C	01/30/09 17:47	ARH	3/4-Cresol	ST
Pentachlorophenol	Not detected	ug/kg	300	8270C	01/30/09 17:47	ARH	87-86-5	ST
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	01/30/09 17:47	ARH	95-95-4	ST
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	01/30/09 17:47	ARH	88-06-2	ST
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	01/30/09 17:47	ARH	121-14-2	ST
Hexachlorobenzene	Not detected	ug/kg	300	8270C	01/30/09 17:47	ARH	118-74-1	ST
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	01/30/09 17:47	ARH	87-68-3	ST
Hexachloroethane	Not detected	ug/kg	300	8270C	01/30/09 17:47	ARH	67-72-1	ST
Nitrobenzene	Not detected	ug/kg	300	8270C	01/30/09 17:47	ARH	98-95-3	ST
Pyridine	Not detected	ug/kg	300	8270C	01/30/09 17:47	ARH	110-86-1	ST

S-Surrogate recovery outside of control limits T-No correction for total solids

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C.O.C. PAGE # 1 OF 4

50766

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: O'Brien & Gere
ADDRESS: 37,000 Grand River Ave Suite 260
CITY: Farmington Hills STATE: MI ZIP CODE: 48335
PHONE NO. 248-477-5701 FAX NO. P.O. NO.
E-MAIL ADDRESS: alfonsjm@obg.com QUOTE NO.

INVOICE TO

CONTACT NAME ☒ SAME
COMPANY
ADDRESS
CITY STATE ZIP CODE
PHONE NO. FAX NO. P.O. NO.

PROJECT NO./NAME: Moraine
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Cox Cel Palmieri

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TOTAL RCRA 8	PCB	SVOC	VOC	SPECIAL INSTRUCTIONS/NOTES
39078.01	1/23	0615	Body-B-PIT-F1-1054	WW	4	✓	✓	✓					✓	✓	✓	✓	
.02	1/23	0625	Body-B-PIT-F1-1052	SL	1	✓							✓	✓	✓	✓	
.03	1/23	0635	Body-B-CTN-F1-1053	SD	1	✓							✓	✓	✓	✓	
.04	1/23	0650	Body-B-PIT-F1-1059	SL	1	✓							✓	✓	✓	✓	
.05	1/23	0710	Body-B-SMP-F1-1060	SD	1	✓							✓	✓	✓		Composit
.06	1/23	0725	Body-B-TRW-F1-1061	SD	1	✓							✓	✓	✓		
.07	1/23	0730	Body-B-SMP-F1-1163	SD	1	✓							✓	✓	✓		
.08	1/23	0740	Body-B-SMP-F1-1143	SD	1	✓							✓	✓	✓		
.09	1/23	0825	Body-B-Sump-F1-1056	SL	1	✓							✓	✓	✓	✓	
.10	1/23	0830	Body-B-Sump-F1-1145	SL	1	✓							✓	✓	✓	✓	
.11	1/23	0925	Body-3-ROF-F1-1137	SL	1	✓							✓	✓			
.12	1/23	0935	Body-3-ROF-F1-1195	SL	1	✓							✓	✓			

RELINQUISHED BY: SIGNATURE/ORGANIZATION: OBG	DATE 1/26/08	TIME 1900
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION: Barbara Rich	DATE 1-27-09	TIME 10:15
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 2 OF 4

50767

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jim Alfonisi
COMPANY: O' Brien & Gere
ADDRESS: 37000 Grand River Ave Suite 260
CITY: Farmington Hills | STATE: MI | ZIP CODE: 48335
PHONE NO.: 248-477-5701 | FAX NO.: | P.O. NO.:
E-MAIL ADDRESS: alfonsjm@obg.com | QUOTE NO.:

INVOICE TO

CONTACT NAME: | ☒ SAME
COMPANY:
ADDRESS:
CITY: | STATE: | ZIP CODE:
PHONE NO.: | FAX NO.: | P.O. NO.:

PROJECT NO./NAME: Moraine
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Cox CL / Palmieri JP

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☒ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TOTAL RCRA 8	PCB	SVOC	VOC	SPECIAL INSTRUCTIONS/NOTES
39678.13	1/29	0945	BODY-2-OFM-FI-1215	M	1	✓								✓			
		~~1000~~	~~BODY-2-FLR-FI-1068~~	~~SD~~	~~1~~	~~✓~~							~~✓~~	~~✓~~	~~✓~~	~~✓~~	
.14	✓	1000	BODY-2-BLNK-FI-1216	M	1	✓								✓			
.15	✓	1000	BODY-2-DRL-FI-1217	M	1	✓								✓			Apply Area 600 m2
		~~1000~~	~~BODY-2-DUP-FI-1218~~	~~SD~~	~~1~~	~~✓~~							~~✓~~	~~✓~~			~~Duplicate of 1068~~
.16	✓	1000	BODY-2-FLR-FI-1068	M	1	✓								✓			
.17	✓	1100	PANT-2-OFM-FI-1097	O	1	✓								✓			
.18	✓	1105	PANT-3-OVN-FI-1058	SD	1	✓							✓				
.19	✓	1150	PANT-1-PIT-FI-1075	SL	1	✓							✓	✓	✓	✓	
.20	✓	1250	PANT-1-OFM-FI-1093	O	1	✓								✓			
.21	✓	1210	PANT-1-OFM-FI-1098	O	1	✓								✓			
.22	✓	1210	PANT-1-OFM-FI-1094	O	1	✓								✓			

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
CL Cx - OBG	1/26/09	1900
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Barbara Bulard	1-27-09	10:15

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 3 OF 4

50770

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: O'Brien & Gere
ADDRESS: 37000 Grand River Ave Suite 260
CITY: Farmington Hills STATE: MI ZIP CODE: 48335
PHONE NO.: 248-477-5701 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: alfonsjm@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: Moraine
SAMPLER(S) - PLEASE PRINT/SIGN NAME: COX CL / PALMIERI

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☒ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	Total Metals	PCB	SVOC	VOC	Pb	SPECIAL INSTRUCTIONS/NOTES
39678.23	1/23	1335	PANT-1-TRN-FI-1078	SD	1	✓							✓	✓	✓	✓		
.24	1/23	1340	PANT-1-TRN-FI-1079	SD	1	✓							✓	✓	✓	✓		
.25	1/23	1350	PANT-1-FTR-FI-1066	SD	1	✓											✓	
.26	1/23	1400	PANT-1-PAD-FI-1080	SD	1	✓							✓	✓	✓			Duplicate of 1218
.27	1/23	1400	PANT-1-DUP-FI-1218	SD	1	✓							✓	✓	✓			Duplicate of 1080
.28		1420	PANT-2-OFM-FI-1133	M	1	✓								✓				
.29		1430	PANT-2-OFM-FI-1132	M	1	✓								✓				
.30		1440	PANT-1-FLR-FI-1063	SD	1	✓							✓	✓	✓			
.31		1510	BODY-3-FLR-FI-1138	SD	1	✓							✓	✓				
		~~1515~~	~~BODY-1-FLR-FI-1026~~	SD	1	✓							✓	✓	✓			
		~~1620~~	~~PANT-ROF-F~~															
.32		[illegible]	PANT-1-SMP-FI-1167	SD	1								✓	✓	✓	✓		

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[signature] - OBG	1/26/08	1900
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Barbara [illegible]	1-27-09	10:15

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
NOTES: TEMP. ON ARRIVAL 4.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 4 OF 4

50765

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: O'Brien & Gere
ADDRESS: 32000 Grand River Ave Suite 260
CITY: Farmington Hills | STATE: MI | ZIP CODE: 48335
PHONE NO.: 248-477-5701 | FAX NO. | P.O. NO.
E-MAIL ADDRESS: alfonsjm@obg.com | QUOTE NO.

INVOICE TO

CONTACT NAME | X SAME
COMPANY
ADDRESS
CITY | STATE | ZIP CODE
PHONE NO. | FAX NO. | P.O. NO.

PROJECT NO./NAME: Moraine
SAMPLER(S) - PLEASE PRINT/SIGN NAME: COX CC / PALMIERI JP

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☒ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER, SL=SLUDGE, WW=WASTEWATER, O=OIL, S=SOIL, A=AIR, L=LIQUID, W=WASTE, SD=SOLID, M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TOTAL METALS	PCB	SVOC	VOC	Pb ONLY	SPECIAL INSTRUCTIONS/NOTES
39678.33	1/23	1615	PANT-R-ROF-FI-1013	SD	1	✓							✓	✓				
.34	✓	1620	BODY-R-ROF-FI-1014	SD	1	✓							✓	✓				
.35	✓	1630	PANT-R-ROF-FI-1015	SD	1	✓							✓	✓				
.36	✓	1330	PANT-1-MIS-FI-1065	SD	1	✓											✓	
.37	✓	1230	PANT-1-OFM-FI-1095	O	1	✓								✓				
.38	✓	1220	PANT-1-OFM FI-1096	O	1	✓								✓				
.39	✓	1230	PANT-1-TRN-FI-1136	SL	1	✓							✓	✓	✓	✓		
.40	✓	1230	PANT-1-CTN-FI-1074	SD	1	✓							✓	✓	✓			
.41		1515	BODY-1-FLR-FI-1026	SD	1	✓							✓	✓	✓			

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
CC - OBG	1/26/08	1900
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Barbara Richard	1-27-08	10:15

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S39679.01(01)
Generated on 02/05/2009

Report to

Attention: Jim Alfonsi
O'Brien & Gere Engineers
37000 Grand River Ave.
Suite 260
Farmington, MI 48335

Phone: 248-477-5701 FAX: 248-477-5962
Email: AlfonsJM@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S39679.01-S39679.25
Project: GM Moraine
Collected Date: 01/24/2009
Submitted Date/Time: 01/27/2009 10:15
Sampled by: Cox/ Palmieri
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Violetta F. Murshak
Laboratory Director

Analytical Laboratory Report

Sample Summary (25 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S39679.01	CCMP-1-OFM-F1-1001	Wipe	01/24/2009 07:30
S39679.02	CCMP-1-OFM-F1-1002	Oil	01/24/2009 07:40
S39679.03	CCMP-1-OFM-F1-1003	Wipe	01/24/2009 07:50
S39679.04	CCMP-1-DRL-F1-1219	Wipe	01/24/2009 08:00
S39679.05	CCMP-1-DUP-F1-1220	Solid	01/24/2009 08:00
S39679.06	CCMP-1-FLR-F1-1221	Solid	01/24/2009 08:00
S39679.07	CCMP-B-SMP-F1-1010	Sludge	01/24/2009 08:40
S39679.08	CCMP-B-TRN-F1-1008	Sludge	01/24/2009 08:30
S39679.09	CCMP-B-FLR-F1-1007	Solid	01/24/2009 09:10
S39679.10	CCMP-B-FLR-F1-1009	Solid	01/24/2009 09:15
S39679.11	CCMP-B-SMP-F1-1006	Solid	01/24/2009 09:25
S39679.12	CCMP-1-BLNK-F1-1223	Wipe	01/24/2009 12:30
S39679.13	WWT-1-TRN-F1-1018	Sludge	01/24/2009 10:05
S39679.14	WWT-1-TRN-F1-1181	Sludge	01/24/2009 10:10
S39679.15	WWT-1-SMP-F1-1017	Sludge	01/24/2009 10:20
S39679.16	WWT-1-TRN-F1-1187	Solid	01/24/2009 10:30
S39679.17	WWT-2-TNK-F1-1019	Solid	01/24/2009 10:35
S39679.18	WWT-2-TNK-F1-1022	Solid	01/24/2009 10:40
S39679.19	WWT-2-TNK-F1-1222	Wastewater	01/24/2009 11:15
S39679.20	WWT-2-TNK-F1-1023	Wastewater	01/24/2009 11:30
S39679.21	WWT-2-TNK-F1-1020	Sludge	01/24/2009 11:35
S39679.22	WWT-3-TNK-F1-1025	Solid	01/24/2009 11:40
S39679.23	WWT-R-ROF-F1-1016	Solid	01/24/2009 11:55
S39679.24	WWT-2-TNK-F1-1142	Sludge	01/24/2009 11:45
S39679.25	WWT-2-TNK-F1-1021	Sludge	01/24/2009 12:15

Analytical Laboratory Report

Lab Sample ID: S39679.01
Sample Tag: CCMP-1-OFM-F1-1001
Collected Date/Time: 01/24/2009 07:30
Matrix: Wipe
COC Reference: 50758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	02/02/09 21:01	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/02/09 21:01	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/02/09 21:01	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	02/02/09 21:01	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	02/02/09 21:01	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	02/02/09 21:01	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	02/02/09 21:01	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39679.02
Sample Tag: CCMP-1-OFM-F1-1002
Collected Date/Time: 01/24/2009 07:40
Matrix: Oil
COC Reference: 50758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	02/02/09 21:22	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/02/09 21:22	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/02/09 21:22	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/02/09 21:22	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/02/09 21:22	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/02/09 21:22	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/02/09 21:22	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39679.03
Sample Tag: CCMP-1-OFM-F1-1003
Collected Date/Time: 01/24/2009 07:50
Matrix: Wipe
COC Reference: 50758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	02/02/09 21:11	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	02/02/09 21:11	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	02/02/09 21:11	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	02/02/09 21:11	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	02/02/09 21:11	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	02/02/09 21:11	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	02/02/09 21:11	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39679.04
Sample Tag: CCMP-1-DRL-F1-1219
Collected Date/Time: 01/24/2009 08:00
Matrix: Wipe
COC Reference: 50758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/28/09 16:49	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/28/09 16:49	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/28/09 16:49	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/28/09 16:49	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/28/09 16:49	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/28/09 16:49	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/28/09 16:49	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39679.05
Sample Tag: CCMP-1-DUP-F1-1220
Collected Date/Time: 01/24/2009 08:00
Matrix: Solid
COC Reference: 50758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Metals								
Arsenic	2.08	mg/kg	0.10	6020	01/30/09 13:38	SLS	7440-38-2	
Barium	41.8	mg/kg	1.0	6020	01/30/09 13:38	SLS	7440-39-3	
Cadmium	0.74	mg/kg	0.20	6020	01/30/09 13:38	SLS	7440-43-9	
Chromium	8.7	mg/kg	1.0	6020	01/30/09 13:38	SLS	7440-47-3	
Lead	3.11	mg/kg	0.50	6020	01/30/09 13:38	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/30/09 13:14	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 13:38	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/30/09 13:38	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/28/09 17:42	JANB	12674-11-2	
PCB-1242	450	ug/kg	330	8082	01/28/09 17:42	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/28/09 17:42	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/28/09 17:42	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/28/09 17:42	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/28/09 17:42	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/28/09 17:42	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	500	8270C	02/02/09 14:28	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	500	8270C	02/02/09 14:28	ARH	3/4-Cresol	XT
Pentachlorophenol	Not detected	ug/kg	500	8270C	02/02/09 14:28	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	500	8270C	02/02/09 14:28	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	500	8270C	02/02/09 14:28	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	500	8270C	02/02/09 14:28	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	500	8270C	02/02/09 14:28	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	500	8270C	02/02/09 14:28	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	500	8270C	02/02/09 14:28	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	500	8270C	02/02/09 14:28	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	500	8270C	02/02/09 14:28	ARH	110-86-1	XT

X-Elevated reporting limit due to matrix interference T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39679.06
Sample Tag: CCMP-1-FLR-F1-1221
Collected Date/Time: 01/24/2009 08:00
Matrix: Solid
COC Reference: 50758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Metals								
Arsenic	2.42	mg/kg	0.10	6020	01/30/09 13:41	SLS	7440-38-2	
Barium	35.9	mg/kg	1.0	6020	01/30/09 13:41	SLS	7440-39-3	
Cadmium	0.51	mg/kg	0.20	6020	01/30/09 13:41	SLS	7440-43-9	
Chromium	11.7	mg/kg	1.0	6020	01/30/09 13:41	SLS	7440-47-3	
Lead	3.68	mg/kg	0.50	6020	01/30/09 13:41	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/30/09 12:44	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 13:41	SLS	7782-49-2	
Silver	2.06	mg/kg	0.10	6020	01/30/09 13:41	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	02/02/09 19:36	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	02/02/09 19:36	JANB	53469-21-9	J
PCB-1221	Not detected	ug/kg	330	8082	02/02/09 19:36	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	02/02/09 19:36	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	02/02/09 19:36	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	02/02/09 19:36	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	02/02/09 19:36	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	02/02/09 14:54	ARH	95-48-7	T
p,m-Cresol	Not detected	ug/kg	300	8270C	02/02/09 14:54	ARH	3/4-Cresol	T
Pentachlorophenol	Not detected	ug/kg	300	8270C	02/02/09 14:54	ARH	87-86-5	T
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	02/02/09 14:54	ARH	95-95-4	T
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	02/02/09 14:54	ARH	88-06-2	T
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	02/02/09 14:54	ARH	121-14-2	T
Hexachlorobenzene	Not detected	ug/kg	300	8270C	02/02/09 14:54	ARH	118-74-1	T
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	02/02/09 14:54	ARH	87-68-3	T
Hexachloroethane	Not detected	ug/kg	300	8270C	02/02/09 14:54	ARH	67-72-1	T
Nitrobenzene	Not detected	ug/kg	300	8270C	02/02/09 14:54	ARH	98-95-3	T
Pyridine	Not detected	ug/kg	300	8270C	02/02/09 14:54	ARH	110-86-1	T

J-Estimated value less than reporting limit, but greater than MDL
T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39679.07
Sample Tag: CCMP-B-SMP-F1-1010
Collected Date/Time: 01/24/2009 08:40
Matrix: Sludge
COC Reference: 50758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Inorganics								
Total Solids	72	%	1	Std M 2540 B	01/27/09 12:30	WAR		
Metals								
Arsenic	18.5	mg/kg	0.10	6020	01/30/09 13:44	SLS	7440-38-2	
Barium	328	mg/kg	1.0	6020	01/30/09 13:44	SLS	7440-39-3	
Cadmium	4.39	mg/kg	0.20	6020	01/30/09 13:44	SLS	7440-43-9	
Chromium	129	mg/kg	1.0	6020	01/30/09 13:44	SLS	7440-47-3	
Lead	251	mg/kg	0.50	6020	01/30/09 13:44	SLS	7439-92-1	
Mercury	0.339	mg/kg	0.050	7471A	01/30/09 12:51	JRT	7439-97-6	
Selenium	0.50	mg/kg	0.20	6020	01/30/09 13:44	SLS	7782-49-2	
Silver	0.61	mg/kg	0.10	6020	01/30/09 13:44	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 17:26	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 17:26	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 17:26	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 17:26	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 17:26	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 17:26	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 17:26	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	6,000	8270C	02/02/09 19:18	ARH	95-48-7	XI
p,m-Cresol	Not detected	ug/kg	6,000	8270C	02/02/09 19:18	ARH	3/4-Cresol	XI
Pentachlorophenol	Not detected	ug/kg	6,000	8270C	02/02/09 19:18	ARH	87-86-5	XI
2,4,5-Trichlorophenol	Not detected	ug/kg	6,000	8270C	02/02/09 19:18	ARH	95-95-4	XI
2,4,6-Trichlorophenol	Not detected	ug/kg	6,000	8270C	02/02/09 19:18	ARH	88-06-2	XI
2,4-Dinitrotoluene	Not detected	ug/kg	6,000	8270C	02/02/09 19:18	ARH	121-14-2	XI
Hexachlorobenzene	Not detected	ug/kg	6,000	8270C	02/02/09 19:18	ARH	118-74-1	XI
Hexachlorobutadiene	Not detected	ug/kg	6,000	8270C	02/02/09 19:18	ARH	87-68-3	XI
Hexachloroethane	Not detected	ug/kg	6,000	8270C	02/02/09 19:18	ARH	67-72-1	XI
Nitrobenzene	Not detected	ug/kg	6,000	8270C	02/02/09 19:18	ARH	98-95-3	XI
Pyridine	Not detected	ug/kg	6,000	8270C	02/02/09 19:18	ARH	110-86-1	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

Analytical Laboratory Report

Lab Sample ID: S39679.07 (continued)
Sample Tag: CCMP-B-SMP-F1-1010

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	200	8260B	01/30/09 19:16	JGH	71-43-2	X
Carbon tetrachloride	Not detected	ug/kg	200	8260B	01/30/09 19:16	JGH	56-23-5	X
Chlorobenzene	Not detected	ug/kg	200	8260B	01/30/09 19:16	JGH	108-90-7	X
Chloroform	Not detected	ug/kg	200	8260B	01/30/09 19:16	JGH	67-66-3	X
1,4-Dichlorobenzene	Not detected	ug/kg	200	8260B	01/30/09 19:16	JGH	106-46-7	X
1,2-Dichloroethane	Not detected	ug/kg	200	8260B	01/30/09 19:16	JGH	107-06-2	X
1,1-Dichloroethene	Not detected	ug/kg	200	8260B	01/30/09 19:16	JGH	75-35-4	X
2-Butanone (MEK)	Not detected	ug/kg	2,000	8260B	01/30/09 19:16	JGH	78-93-3	X
Tetrachloroethene	Not detected	ug/kg	200	8260B	01/30/09 19:16	JGH	127-18-4	X
Trichloroethene	Not detected	ug/kg	200	8260B	01/30/09 19:16	JGH	79-01-6	X
Vinyl chloride	Not detected	ug/kg	200	8260B	01/30/09 19:16	JGH	75-01-4	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39679.08
Sample Tag: CCMP-B-TRN-F1-1008
Collected Date/Time: 01/24/2009 08:30
Matrix: Sludge
COC Reference: 50758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Metals								
Arsenic	0.26	mg/kg	0.10	6020	01/30/09 13:47	SLS	7440-38-2	
Barium	11.1	mg/kg	1.0	6020	01/30/09 13:47	SLS	7440-39-3	
Cadmium	0.72	mg/kg	0.20	6020	01/30/09 13:47	SLS	7440-43-9	
Chromium	2.3	mg/kg	1.0	6020	01/30/09 13:47	SLS	7440-47-3	
Lead	35.8	mg/kg	0.50	6020	01/30/09 13:47	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/30/09 12:53	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 13:47	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/30/09 13:47	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 17:58	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 17:58	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 17:58	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 17:58	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 17:58	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 17:58	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 17:58	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	7,000	8270C	02/02/09 19:45	ARH	95-48-7	XTI
p,m-Cresol	Not detected	ug/kg	7,000	8270C	02/02/09 19:45	ARH	3/4-Cresol	XTI
Pentachlorophenol	Not detected	ug/kg	7,000	8270C	02/02/09 19:45	ARH	87-86-5	XTI
2,4,5-Trichlorophenol	Not detected	ug/kg	7,000	8270C	02/02/09 19:45	ARH	95-95-4	XTI
2,4,6-Trichlorophenol	Not detected	ug/kg	7,000	8270C	02/02/09 19:45	ARH	88-06-2	XTI
2,4-Dinitrotoluene	Not detected	ug/kg	7,000	8270C	02/02/09 19:45	ARH	121-14-2	XTI
Hexachlorobenzene	Not detected	ug/kg	7,000	8270C	02/02/09 19:45	ARH	118-74-1	XTI
Hexachlorobutadiene	Not detected	ug/kg	7,000	8270C	02/02/09 19:45	ARH	87-68-3	XTI
Hexachloroethane	Not detected	ug/kg	7,000	8270C	02/02/09 19:45	ARH	67-72-1	XTI
Nitrobenzene	Not detected	ug/kg	7,000	8270C	02/02/09 19:45	ARH	98-95-3	XTI
Pyridine	Not detected	ug/kg	7,000	8270C	02/02/09 19:45	ARH	110-86-1	XTI
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	01/30/09 19:34	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference T-No correction for total solids I-Matrix interference with internal standard

Lab Sample ID: S39679.08 (continued)
Sample Tag: CCMP-B-TRN-F1-1008

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	01/30/09 19:34	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 19:34	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	01/30/09 19:34	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	01/30/09 19:34	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	01/30/09 19:34	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	01/30/09 19:34	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	01/30/09 19:34	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	01/30/09 19:34	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	01/30/09 19:34	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	01/30/09 19:34	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39679.09
Sample Tag: CCMP-B-FLR-F1-1007
Collected Date/Time: 01/24/2009 09:10
Matrix: Solid
COC Reference: 50758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Metals								
Arsenic	2.80	mg/kg	0.10	6020	01/30/09 13:50	SLS	7440-38-2	
Barium	54.7	mg/kg	1.0	6020	01/30/09 13:50	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/30/09 13:50	SLS	7440-43-9	
Chromium	6.0	mg/kg	1.0	6020	01/30/09 13:50	SLS	7440-47-3	
Lead	3.11	mg/kg	0.50	6020	01/30/09 13:50	SLS	7439-92-1	
Mercury	0.051	mg/kg	0.050	7471A	01/30/09 12:55	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 13:50	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/30/09 13:50	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	02/02/09 19:47	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	02/02/09 19:47	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	02/02/09 19:47	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	02/02/09 19:47	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	02/02/09 19:47	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	02/02/09 19:47	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	02/02/09 19:47	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	500	8270C	02/02/09 15:21	ARH	95-48-7	XTI
p,m-Cresol	Not detected	ug/kg	500	8270C	02/02/09 15:21	ARH	3/4-Cresol	XTI
Pentachlorophenol	Not detected	ug/kg	500	8270C	02/02/09 15:21	ARH	87-86-5	XTI
2,4,5-Trichlorophenol	Not detected	ug/kg	500	8270C	02/02/09 15:21	ARH	95-95-4	XTI
2,4,6-Trichlorophenol	Not detected	ug/kg	500	8270C	02/02/09 15:21	ARH	88-06-2	XTI
2,4-Dinitrotoluene	Not detected	ug/kg	500	8270C	02/02/09 15:21	ARH	121-14-2	XTI
Hexachlorobenzene	Not detected	ug/kg	500	8270C	02/02/09 15:21	ARH	118-74-1	XTI
Hexachlorobutadiene	Not detected	ug/kg	500	8270C	02/02/09 15:21	ARH	87-68-3	XTI
Hexachloroethane	Not detected	ug/kg	500	8270C	02/02/09 15:21	ARH	67-72-1	XTI
Nitrobenzene	Not detected	ug/kg	500	8270C	02/02/09 15:21	ARH	98-95-3	XTI
Pyridine	Not detected	ug/kg	500	8270C	02/02/09 15:21	ARH	110-86-1	XTI
TCLP Semi-Volatiles as Total (Replicate 01)								
o-Cresol	Not detected	ug/kg	800	8270C	02/04/09 17:23	ARH	95-48-7	XT
p,m-Cresol	Not detected	ug/kg	800	8270C	02/04/09 17:23	ARH	3/4-Cresol	XT

X-Elevated reporting limit due to matrix interference T-No correction for total solids I-Matrix interference with internal standard

Analytical Laboratory Report

Lab Sample ID: S39679.09 (continued)
Sample Tag: CCMP-B-FLR-F1-1007

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCLP Semi-Volatiles as Total (Replicate 01) (continued)								
Pentachlorophenol	Not detected	ug/kg	800	8270C	02/04/09 17:23	ARH	87-86-5	XT
2,4,5-Trichlorophenol	Not detected	ug/kg	800	8270C	02/04/09 17:23	ARH	95-95-4	XT
2,4,6-Trichlorophenol	Not detected	ug/kg	800	8270C	02/04/09 17:23	ARH	88-06-2	XT
2,4-Dinitrotoluene	Not detected	ug/kg	800	8270C	02/04/09 17:23	ARH	121-14-2	XT
Hexachlorobenzene	Not detected	ug/kg	800	8270C	02/04/09 17:23	ARH	118-74-1	XT
Hexachlorobutadiene	Not detected	ug/kg	800	8270C	02/04/09 17:23	ARH	87-68-3	XT
Hexachloroethane	Not detected	ug/kg	800	8270C	02/04/09 17:23	ARH	67-72-1	XT
Nitrobenzene	Not detected	ug/kg	800	8270C	02/04/09 17:23	ARH	98-95-3	XT
Pyridine	Not detected	ug/kg	800	8270C	02/04/09 17:23	ARH	110-86-1	XT

X-Elevated reporting limit due to matrix interference T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39679.10
Sample Tag: CCMP-B-FLR-F1-1009
Collected Date/Time: 01/24/2009 09:15
Matrix: Solid
COC Reference: 50758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Metals								
Arsenic	2.44	mg/kg	0.10	6020	01/30/09 13:59	SLS	7440-38-2	
Barium	43.0	mg/kg	1.0	6020	01/30/09 13:59	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/30/09 13:59	SLS	7440-43-9	
Chromium	6.1	mg/kg	1.0	6020	01/30/09 13:59	SLS	7440-47-3	
Lead	2.47	mg/kg	0.50	6020	01/30/09 13:59	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/30/09 12:57	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 13:59	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/30/09 13:59	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	3,000	8082	01/29/09 12:42	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	3,000	8082	01/29/09 12:42	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	3,000	8082	01/29/09 12:42	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	3,000	8082	01/29/09 12:42	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	3,000	8082	01/29/09 12:42	JANB	12672-29-6	Y
PCB-1254	21,000	ug/kg	3,000	8082	01/29/09 12:42	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	3,000	8082	01/29/09 12:42	JANB	11096-82-5	Y
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	02/02/09 15:47	ARH	95-48-7	T
p,m-Cresol	Not detected	ug/kg	300	8270C	02/02/09 15:47	ARH	3/4-Cresol	T
Pentachlorophenol	Not detected	ug/kg	300	8270C	02/02/09 15:47	ARH	87-86-5	T
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	02/02/09 15:47	ARH	95-95-4	T
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	02/02/09 15:47	ARH	88-06-2	T
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	02/02/09 15:47	ARH	121-14-2	T
Hexachlorobenzene	Not detected	ug/kg	300	8270C	02/02/09 15:47	ARH	118-74-1	T
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	02/02/09 15:47	ARH	87-68-3	T
Hexachloroethane	Not detected	ug/kg	300	8270C	02/02/09 15:47	ARH	67-72-1	T
Nitrobenzene	Not detected	ug/kg	300	8270C	02/02/09 15:47	ARH	98-95-3	T
Pyridine	Not detected	ug/kg	300	8270C	02/02/09 15:47	ARH	110-86-1	T

Y-Elevated reporting limit due to high target concentration
T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39679.11
Sample Tag: CCMP-B-SMP-F1-1006
Collected Date/Time: 01/24/2009 09:25
Matrix: Solid
COC Reference: 50758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Inorganics								
Total Solids	42	%	1	Std M 2540 B	01/27/09 12:30	WAR		
Metals								
Arsenic	21.9	mg/kg	0.10	6020	01/30/09 13:53	SLS	7440-38-2	
Barium	141	mg/kg	1.0	6020	01/30/09 13:53	SLS	7440-39-3	
Cadmium	5.62	mg/kg	0.20	6020	01/30/09 13:53	SLS	7440-43-9	
Chromium	43.8	mg/kg	1.0	6020	01/30/09 13:53	SLS	7440-47-3	
Lead	204	mg/kg	0.50	6020	01/30/09 13:53	SLS	7439-92-1	
Mercury	15.320	mg/kg	0.050	7471A	01/30/09 13:05	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 13:53	SLS	7782-49-2	
Silver	0.34	mg/kg	0.10	6020	01/30/09 13:53	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	02/02/09 18:33	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/02/09 18:33	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/02/09 18:33	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/02/09 18:33	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/02/09 18:33	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/02/09 18:33	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/02/09 18:33	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	5,000	8270C	02/02/09 18:26	ARH	95-48-7	XI
p,m-Cresol	Not detected	ug/kg	5,000	8270C	02/02/09 18:26	ARH	3/4-Cresol	XI
Pentachlorophenol	Not detected	ug/kg	5,000	8270C	02/02/09 18:26	ARH	87-86-5	XI
2,4,5-Trichlorophenol	Not detected	ug/kg	5,000	8270C	02/02/09 18:26	ARH	95-95-4	XI
2,4,6-Trichlorophenol	Not detected	ug/kg	5,000	8270C	02/02/09 18:26	ARH	88-06-2	XI
2,4-Dinitrotoluene	Not detected	ug/kg	5,000	8270C	02/02/09 18:26	ARH	121-14-2	XI
Hexachlorobenzene	Not detected	ug/kg	5,000	8270C	02/02/09 18:26	ARH	118-74-1	XI
Hexachlorobutadiene	Not detected	ug/kg	5,000	8270C	02/02/09 18:26	ARH	87-68-3	XI
Hexachloroethane	Not detected	ug/kg	5,000	8270C	02/02/09 18:26	ARH	67-72-1	XI
Nitrobenzene	Not detected	ug/kg	5,000	8270C	02/02/09 18:26	ARH	98-95-3	XI
Pyridine	Not detected	ug/kg	5,000	8270C	02/02/09 18:26	ARH	110-86-1	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

Analytical Laboratory Report

Lab Sample ID: S39679.11 (continued)
Sample Tag: CCMP-B-SMP-F1-1006

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	200	8260B	01/30/09 19:52	JGH	71-43-2	X
Carbon tetrachloride	Not detected	ug/kg	200	8260B	01/30/09 19:52	JGH	56-23-5	X
Chlorobenzene	Not detected	ug/kg	200	8260B	01/30/09 19:52	JGH	108-90-7	X
Chloroform	Not detected	ug/kg	200	8260B	01/30/09 19:52	JGH	67-66-3	X
1,4-Dichlorobenzene	Not detected	ug/kg	200	8260B	01/30/09 19:52	JGH	106-46-7	X
1,2-Dichloroethane	Not detected	ug/kg	200	8260B	01/30/09 19:52	JGH	107-06-2	X
1,1-Dichloroethene	Not detected	ug/kg	200	8260B	01/30/09 19:52	JGH	75-35-4	X
2-Butanone (MEK)	Not detected	ug/kg	2,000	8260B	01/30/09 19:52	JGH	78-93-3	X
Tetrachloroethene	Not detected	ug/kg	200	8260B	01/30/09 19:52	JGH	127-18-4	X
Trichloroethene	Not detected	ug/kg	200	8260B	01/30/09 19:52	JGH	79-01-6	X
Vinyl chloride	Not detected	ug/kg	200	8260B	01/30/09 19:52	JGH	75-01-4	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39679.12
Sample Tag: CCMP-1-BLNK-F1-1223
Collected Date/Time: 01/24/2009 12:30
Matrix: Wipe
COC Reference: 50758

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	01/28/09 17:10	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	01/28/09 17:10	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	01/28/09 17:10	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	01/28/09 17:10	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	01/28/09 17:10	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	01/28/09 17:10	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	01/28/09 17:10	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39679.13
Sample Tag: WWT-1-TRN-F1-1018
Collected Date/Time: 01/24/2009 10:05
Matrix: Sludge
COC Reference: 50769

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Inorganics								
Total Solids	39	%	1	Std M 2540 B	01/27/09 12:30	WAR		
Metals								
Arsenic	1.16	mg/kg	0.10	6020	01/30/09 13:56	SLS	7440-38-2	
Barium	176	mg/kg	1.0	6020	01/30/09 13:56	SLS	7440-39-3	
Cadmium	0.76	mg/kg	0.20	6020	01/30/09 13:56	SLS	7440-43-9	
Chromium	27.5	mg/kg	1.0	6020	01/30/09 13:56	SLS	7440-47-3	
Lead	185	mg/kg	0.50	6020	01/30/09 13:56	SLS	7439-92-1	
Mercury	2.269	mg/kg	0.050	7471A	01/30/09 13:07	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 13:56	SLS	7782-49-2	
Silver	0.36	mg/kg	0.10	6020	01/30/09 13:56	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 17:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 17:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 17:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 17:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 17:37	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 17:37	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 17:37	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	3,000	8270C	02/02/09 16:40	ARH	95-48-7	XI
p,m-Cresol	Not detected	ug/kg	3,000	8270C	02/02/09 16:40	ARH	3/4-Cresol	XI
Pentachlorophenol	Not detected	ug/kg	3,000	8270C	02/02/09 16:40	ARH	87-86-5	XI
2,4,5-Trichlorophenol	Not detected	ug/kg	3,000	8270C	02/02/09 16:40	ARH	95-95-4	XI
2,4,6-Trichlorophenol	Not detected	ug/kg	3,000	8270C	02/02/09 16:40	ARH	88-06-2	XI
2,4-Dinitrotoluene	Not detected	ug/kg	3,000	8270C	02/02/09 16:40	ARH	121-14-2	XI
Hexachlorobenzene	Not detected	ug/kg	3,000	8270C	02/02/09 16:40	ARH	118-74-1	XI
Hexachlorobutadiene	Not detected	ug/kg	3,000	8270C	02/02/09 16:40	ARH	87-68-3	XI
Hexachloroethane	Not detected	ug/kg	3,000	8270C	02/02/09 16:40	ARH	67-72-1	XI
Nitrobenzene	Not detected	ug/kg	3,000	8270C	02/02/09 16:40	ARH	98-95-3	XI
Pyridine	Not detected	ug/kg	3,000	8270C	02/02/09 16:40	ARH	110-86-1	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

Analytical Laboratory Report

Lab Sample ID: S39679.13 (continued)
Sample Tag: WWT-1-TRN-F1-1018

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	400	8260B	01/30/09 20:10	JGH	71-43-2	X
Carbon tetrachloride	Not detected	ug/kg	400	8260B	01/30/09 20:10	JGH	56-23-5	X
Chlorobenzene	Not detected	ug/kg	400	8260B	01/30/09 20:10	JGH	108-90-7	X
Chloroform	Not detected	ug/kg	400	8260B	01/30/09 20:10	JGH	67-66-3	X
1,4-Dichlorobenzene	Not detected	ug/kg	400	8260B	01/30/09 20:10	JGH	106-46-7	X
1,2-Dichloroethane	Not detected	ug/kg	400	8260B	01/30/09 20:10	JGH	107-06-2	X
1,1-Dichloroethene	Not detected	ug/kg	400	8260B	01/30/09 20:10	JGH	75-35-4	X
2-Butanone (MEK)	Not detected	ug/kg	4,000	8260B	01/30/09 20:10	JGH	78-93-3	X
Tetrachloroethene	Not detected	ug/kg	400	8260B	01/30/09 20:10	JGH	127-18-4	X
Trichloroethene	Not detected	ug/kg	400	8260B	01/30/09 20:10	JGH	79-01-6	X
Vinyl chloride	Not detected	ug/kg	400	8260B	01/30/09 20:10	JGH	75-01-4	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39679.14
Sample Tag: WWT-1-TRN-F1-1181
Collected Date/Time: 01/24/2009 10:10
Matrix: Sludge
COC Reference: 50769

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Inorganics								
Total Solids	23	%	1	Std M 2540 B	01/27/09 12:30	WAR		
Metals								
Arsenic	0.88	mg/kg	0.10	6020	01/30/09 14:18	SLS	7440-38-2	
Barium	185	mg/kg	1.0	6020	01/30/09 14:18	SLS	7440-39-3	
Cadmium	3.08	mg/kg	0.20	6020	01/30/09 14:18	SLS	7440-43-9	
Chromium	40.4	mg/kg	1.0	6020	01/30/09 14:18	SLS	7440-47-3	
Lead	108	mg/kg	0.50	6020	01/30/09 14:18	SLS	7439-92-1	
Mercury	0.082	mg/kg	0.050	7471A	01/30/09 13:10	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 14:18	SLS	7782-49-2	
Silver	0.41	mg/kg	0.10	6020	01/30/09 14:18	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	02/02/09 19:57	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/02/09 19:57	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/02/09 19:57	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/02/09 19:57	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/02/09 19:57	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/02/09 19:57	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/02/09 19:57	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	4,000	8270C	02/02/09 17:07	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	4,000	8270C	02/02/09 17:07	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	4,000	8270C	02/02/09 17:07	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	4,000	8270C	02/02/09 17:07	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	4,000	8270C	02/02/09 17:07	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	4,000	8270C	02/02/09 17:07	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	4,000	8270C	02/02/09 17:07	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	4,000	8270C	02/02/09 17:07	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	4,000	8270C	02/02/09 17:07	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	4,000	8270C	02/02/09 17:07	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	4,000	8270C	02/02/09 17:07	ARH	110-86-1	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39679.14 (continued)
Sample Tag: WWT-1-TRN-F1-1181

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	90	8260B	01/30/09 20:28	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/kg	90	8260B	01/30/09 20:28	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	90	8260B	01/30/09 20:28	JGH	108-90-7	
Chloroform	Not detected	ug/kg	90	8260B	01/30/09 20:28	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	90	8260B	01/30/09 20:28	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	90	8260B	01/30/09 20:28	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	90	8260B	01/30/09 20:28	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	900	8260B	01/30/09 20:28	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	90	8260B	01/30/09 20:28	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	90	8260B	01/30/09 20:28	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	90	8260B	01/30/09 20:28	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39679.15
Sample Tag: WWT-1-SMP-F1-1017
Collected Date/Time: 01/24/2009 10:20
Matrix: Sludge
COC Reference: 50769

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/28/09 12:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Inorganics								
Total Solids	72	%	1	Std M 2540 B	01/27/09 12:30	WAR		
Metals								
Arsenic	1.32	mg/kg	0.10	6020	01/30/09 14:22	SLS	7440-38-2	
Barium	133	mg/kg	1.0	6020	01/30/09 14:22	SLS	7440-39-3	
Cadmium	0.89	mg/kg	0.20	6020	01/30/09 14:22	SLS	7440-43-9	
Chromium	46.9	mg/kg	1.0	6020	01/30/09 14:22	SLS	7440-47-3	
Lead	131	mg/kg	0.50	6020	01/30/09 14:22	SLS	7439-92-1	
Mercury	0.576	mg/kg	0.050	7471A	01/30/09 13:12	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 14:22	SLS	7782-49-2	
Silver	0.22	mg/kg	0.10	6020	01/30/09 14:22	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	01/30/09 17:48	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	01/30/09 17:48	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	01/30/09 17:48	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	01/30/09 17:48	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	01/30/09 17:48	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	01/30/09 17:48	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	01/30/09 17:48	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	10,000	8270C	02/02/09 20:11	ARH	95-48-7	XI
p,m-Cresol	Not detected	ug/kg	10,000	8270C	02/02/09 20:11	ARH	3/4-Cresol	XI
Pentachlorophenol	Not detected	ug/kg	10,000	8270C	02/02/09 20:11	ARH	87-86-5	XI
2,4,5-Trichlorophenol	Not detected	ug/kg	10,000	8270C	02/02/09 20:11	ARH	95-95-4	XI
2,4,6-Trichlorophenol	Not detected	ug/kg	10,000	8270C	02/02/09 20:11	ARH	88-06-2	XI
2,4-Dinitrotoluene	Not detected	ug/kg	10,000	8270C	02/02/09 20:11	ARH	121-14-2	XI
Hexachlorobenzene	Not detected	ug/kg	10,000	8270C	02/02/09 20:11	ARH	118-74-1	XI
Hexachlorobutadiene	Not detected	ug/kg	10,000	8270C	02/02/09 20:11	ARH	87-68-3	XI
Hexachloroethane	Not detected	ug/kg	10,000	8270C	02/02/09 20:11	ARH	67-72-1	XI
Nitrobenzene	Not detected	ug/kg	10,000	8270C	02/02/09 20:11	ARH	98-95-3	XI
Pyridine	Not detected	ug/kg	10,000	8270C	02/02/09 20:11	ARH	110-86-1	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

Analytical Laboratory Report

Lab Sample ID: S39679.15 (continued)
Sample Tag: WWT-1-SMP-F1-1017

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	90	8260B	02/02/09 15:32	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/kg	90	8260B	02/02/09 15:32	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	90	8260B	02/02/09 15:32	JGH	108-90-7	
Chloroform	Not detected	ug/kg	90	8260B	02/02/09 15:32	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	90	8260B	02/02/09 15:32	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	90	8260B	02/02/09 15:32	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	90	8260B	02/02/09 15:32	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	900	8260B	02/02/09 15:32	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	90	8260B	02/02/09 15:32	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	90	8260B	02/02/09 15:32	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	90	8260B	02/02/09 15:32	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39679.16
Sample Tag: WWT-1-TRN-F1-1187
Collected Date/Time: 01/24/2009 10:30
Matrix: Solid
COC Reference: 50769

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/28/09 13:00	CEM		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Metals								
Arsenic	0.29	mg/kg	0.10	6020	01/30/09 14:25	SLS	7440-38-2	
Barium	11.5	mg/kg	1.0	6020	01/30/09 14:25	SLS	7440-39-3	
Cadmium	0.41	mg/kg	0.20	6020	01/30/09 14:25	SLS	7440-43-9	
Chromium	4.5	mg/kg	1.0	6020	01/30/09 14:25	SLS	7440-47-3	
Lead	13.3	mg/kg	0.50	6020	01/30/09 14:25	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/30/09 13:29	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 14:25	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/30/09 14:25	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	01/28/09 17:20	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	01/28/09 17:20	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	01/28/09 17:20	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	01/28/09 17:20	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	01/28/09 17:20	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	01/28/09 17:20	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	01/28/09 17:20	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39679.17
Sample Tag: WWT-2-TNK-F1-1019
Collected Date/Time: 01/24/2009 10:35
Matrix: Solid
COC Reference: 50769

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/29/09 09:38	TAS		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Metals								
Arsenic	0.16	mg/kg	0.10	6020	01/30/09 14:28	SLS	7440-38-2	
Barium	49.1	mg/kg	1.0	6020	01/30/09 14:28	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/30/09 14:28	SLS	7440-43-9	
Chromium	5.4	mg/kg	1.0	6020	01/30/09 14:28	SLS	7440-47-3	
Lead	61.9	mg/kg	0.50	6020	01/30/09 14:28	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/30/09 13:31	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 14:28	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/30/09 14:28	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	02/03/09 14:03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	02/03/09 14:03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	02/03/09 14:03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	02/03/09 14:03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	02/03/09 14:03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	02/03/09 14:03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	02/03/09 14:03	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39679.18
Sample Tag: WWT-2-TNK-F1-1022
Collected Date/Time: 01/24/2009 10:40
Matrix: Solid
COC Reference: 50769

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/29/09 09:38	TAS		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Inorganics								
Total Solids	25	%	1	Std M 2540 B	01/27/09 12:30	WAR		
Metals								
Arsenic	1.53	mg/kg	0.10	6020	01/30/09 14:31	SLS	7440-38-2	
Barium	244	mg/kg	1.0	6020	01/30/09 14:31	SLS	7440-39-3	
Cadmium	0.31	mg/kg	0.20	6020	01/30/09 14:31	SLS	7440-43-9	
Chromium	37.1	mg/kg	1.0	6020	01/30/09 14:31	SLS	7440-47-3	
Lead	18.7	mg/kg	0.50	6020	01/30/09 14:31	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/30/09 13:33	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 14:31	SLS	7782-49-2	
Silver	0.32	mg/kg	0.10	6020	01/30/09 14:31	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	02/02/09 18:44	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/02/09 18:44	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/02/09 18:44	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/02/09 18:44	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/02/09 18:44	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/02/09 18:44	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/02/09 18:44	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	8,000	8270C	02/02/09 17:33	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	8,000	8270C	02/02/09 17:33	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	8,000	8270C	02/02/09 17:33	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	8,000	8270C	02/02/09 17:33	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	8,000	8270C	02/02/09 17:33	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	8,000	8270C	02/02/09 17:33	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	8,000	8270C	02/02/09 17:33	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	8,000	8270C	02/02/09 17:33	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	8,000	8270C	02/02/09 17:33	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	8,000	8270C	02/02/09 17:33	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	8,000	8270C	02/02/09 17:33	ARH	110-86-1	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39679.19
Sample Tag: WWT-2-TNK-F1-1222
Collected Date/Time: 01/24/2009 11:15
Matrix: Wastewater
COC Reference: 50769

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.4	IR
3	40ml Glass	HCL	Yes	4.4	IR
1	125ml Plastic	HNO3	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	01/29/09 19:53	EMR		
Extraction, PCB	Completed			3510C	01/29/09 16:17	TAS		
Mercury Digestion	Completed			7470A	01/28/09 11:00	JRT		
Metal Digestion	Completed			3015A	01/30/09 12:00	SLS		
Metals								
Arsenic	0.001	mg/L	0.001	200.8	01/30/09 13:03	SLS	7440-38-2	
Barium	Not detected	mg/L	0.005	200.8	01/30/09 13:03	SLS	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	01/30/09 13:03	SLS	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	01/30/09 13:03	SLS	7440-47-3	
Lead	Not detected	mg/L	0.003	200.8	01/30/09 13:03	SLS	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	01/28/09 15:11	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	01/30/09 13:03	SLS	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	01/30/09 13:03	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB								
PCB-1016	Not detected	ug/L	0.1	608	01/30/09 17:05	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	01/30/09 17:05	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	01/30/09 17:05	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	01/30/09 17:05	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	01/30/09 17:05	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	01/30/09 17:05	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	01/30/09 17:05	JANB	11096-82-5	
PCB, Total	Not detected	ug/L	0.1	608	01/30/09 17:05	JANB	1336-36-3	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/L	5	8270C	01/30/09 12:54	ARH	95-48-7	
p,m-Cresol	Not detected	ug/L	5	8270C	01/30/09 12:54	ARH	3/4-Cresol	
Pentachlorophenol	Not detected	ug/L	5	8270C	01/30/09 12:54	ARH	87-86-5	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	01/30/09 12:54	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	01/30/09 12:54	ARH	88-06-2	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	01/30/09 12:54	ARH	121-14-2	
Hexachlorobenzene	Not detected	ug/L	5	8270C	01/30/09 12:54	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	01/30/09 12:54	ARH	87-68-3	
Hexachloroethane	Not detected	ug/L	5	8270C	01/30/09 12:54	ARH	67-72-1	
Nitrobenzene	Not detected	ug/L	5	8270C	01/30/09 12:54	ARH	98-95-3	
Pyridine	Not detected	ug/L	5	8270C	01/30/09 12:54	ARH	110-86-1	

Analytical Laboratory Report

Lab Sample ID: S39679.19 (continued)
Sample Tag: WWT-2-TNK-F1-1222

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/L	1	8260B	01/30/09 15:21	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/L	1	8260B	01/30/09 15:21	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	01/30/09 15:21	JGH	108-90-7	
Chloroform	Not detected	ug/L	1	8260B	01/30/09 15:21	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	01/30/09 15:21	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	01/30/09 15:21	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	01/30/09 15:21	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/L	10	8260B	01/30/09 15:21	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/L	1	8260B	01/30/09 15:21	JGH	127-18-4	
Trichloroethene	Not detected	ug/L	1	8260B	01/30/09 15:21	JGH	79-01-6	
Vinyl chloride	Not detected	ug/L	1	8260B	01/30/09 15:21	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39679.20
Sample Tag: WWT-2-TNK-F1-1023
Collected Date/Time: 01/24/2009 11:30
Matrix: Wastewater
COC Reference: 50769

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.4	IR
3	40ml Glass	HCL	Yes	4.4	IR
1	125ml Plastic	HNO3	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	01/29/09 19:53	EMR		
Extraction, PCB	Completed			3510C	01/29/09 16:17	TAS		
Mercury Digestion	Completed			7470A	01/28/09 11:00	JRT		
Metal Digestion	Completed			3015A	01/30/09 12:00	SLS		
Metals								
Arsenic	0.002	mg/L	0.001	200.8	01/30/09 13:06	SLS	7440-38-2	
Barium	0.008	mg/L	0.005	200.8	01/30/09 13:06	SLS	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	01/30/09 13:06	SLS	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	01/30/09 13:06	SLS	7440-47-3	
Lead	Not detected	mg/L	0.003	200.8	01/30/09 13:06	SLS	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	01/28/09 15:13	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	01/30/09 13:06	SLS	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	01/30/09 13:06	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB								
PCB-1016	Not detected	ug/L	0.1	608	01/30/09 17:16	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	01/30/09 17:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	01/30/09 17:16	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	01/30/09 17:16	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	01/30/09 17:16	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	01/30/09 17:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	01/30/09 17:16	JANB	11096-82-5	
PCB, Total	Not detected	ug/L	0.1	608	01/30/09 17:16	JANB	1336-36-3	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/L	5	8270C	01/30/09 13:20	ARH	95-48-7	
p,m-Cresol	Not detected	ug/L	5	8270C	01/30/09 13:20	ARH	3/4-Cresol	
Pentachlorophenol	Not detected	ug/L	5	8270C	01/30/09 13:20	ARH	87-86-5	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	01/30/09 13:20	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	01/30/09 13:20	ARH	88-06-2	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	01/30/09 13:20	ARH	121-14-2	
Hexachlorobenzene	Not detected	ug/L	5	8270C	01/30/09 13:20	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	01/30/09 13:20	ARH	87-68-3	
Hexachloroethane	Not detected	ug/L	5	8270C	01/30/09 13:20	ARH	67-72-1	
Nitrobenzene	Not detected	ug/L	5	8270C	01/30/09 13:20	ARH	98-95-3	
Pyridine	Not detected	ug/L	5	8270C	01/30/09 13:20	ARH	110-86-1	

Analytical Laboratory Report

Lab Sample ID: S39679.20 (continued)
Sample Tag: WWT-2-TNK-F1-1023

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/L	1	8260B	01/29/09 18:06	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/L	1	8260B	01/29/09 18:06	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	01/29/09 18:06	JGH	108-90-7	
Chloroform	Not detected	ug/L	1	8260B	01/29/09 18:06	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	01/29/09 18:06	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	01/29/09 18:06	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	01/29/09 18:06	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/L	10	8260B	01/29/09 18:06	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/L	1	8260B	01/29/09 18:06	JGH	127-18-4	
Trichloroethene	Not detected	ug/L	1	8260B	01/29/09 18:06	JGH	79-01-6	
Vinyl chloride	Not detected	ug/L	1	8260B	01/29/09 18:06	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39679.21
Sample Tag: WWT-2-TNK-F1-1020
Collected Date/Time: 01/24/2009 11:35
Matrix: Sludge
COC Reference: 50769

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/29/09 09:38	TAS		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Inorganics								
Total Solids	97	%	1	Std M 2540 B	01/27/09 12:30	WAR		
Metals								
Arsenic	0.96	mg/kg	0.10	6020	01/30/09 14:34	SLS	7440-38-2	
Barium	103	mg/kg	1.0	6020	01/30/09 14:34	SLS	7440-39-3	
Cadmium	0.85	mg/kg	0.20	6020	01/30/09 14:34	SLS	7440-43-9	
Chromium	4.2	mg/kg	1.0	6020	01/30/09 14:34	SLS	7440-47-3	
Lead	783	mg/kg	0.50	6020	01/30/09 14:34	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/30/09 13:35	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 14:34	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/30/09 14:34	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	02/03/09 14:13	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/03/09 14:13	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/03/09 14:13	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/03/09 14:13	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/03/09 14:13	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/03/09 14:13	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/03/09 14:13	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	2,000	8270C	02/02/09 17:59	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	2,000	8270C	02/02/09 17:59	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	2,000	8270C	02/02/09 17:59	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	2,000	8270C	02/02/09 17:59	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	2,000	8270C	02/02/09 17:59	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	02/02/09 17:59	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	2,000	8270C	02/02/09 17:59	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	2,000	8270C	02/02/09 17:59	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	2,000	8270C	02/02/09 17:59	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	2,000	8270C	02/02/09 17:59	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	2,000	8270C	02/02/09 17:59	ARH	110-86-1	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39679.22
Sample Tag: WWT-3-TNK-F1-1025
Collected Date/Time: 01/24/2009 11:40
Matrix: Solid
COC Reference: 50769

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/29/09 09:38	TAS		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Metals								
Arsenic	0.20	mg/kg	0.10	6020	01/30/09 14:37	SLS	7440-38-2	
Barium	2.3	mg/kg	1.0	6020	01/30/09 14:37	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	01/30/09 14:37	SLS	7440-43-9	
Chromium	4.4	mg/kg	1.0	6020	01/30/09 14:37	SLS	7440-47-3	
Lead	Not detected	mg/kg	0.50	6020	01/30/09 14:37	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/30/09 13:36	JRT	7439-97-6	
Selenium	0.24	mg/kg	0.20	6020	01/30/09 14:37	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/30/09 14:37	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	02/02/09 18:54	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/02/09 18:54	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/02/09 18:54	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/02/09 18:54	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/02/09 18:54	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/02/09 18:54	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/02/09 18:54	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	300	8270C	02/02/09 14:01	ARH	95-48-7	TI
p,m-Cresol	Not detected	ug/kg	300	8270C	02/02/09 14:01	ARH	3/4-Cresol	TI
Pentachlorophenol	Not detected	ug/kg	300	8270C	02/02/09 14:01	ARH	87-86-5	TI
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	02/02/09 14:01	ARH	95-95-4	TI
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	02/02/09 14:01	ARH	88-06-2	TI
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	02/02/09 14:01	ARH	121-14-2	TI
Hexachlorobenzene	Not detected	ug/kg	300	8270C	02/02/09 14:01	ARH	118-74-1	TI
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	02/02/09 14:01	ARH	87-68-3	TI
Hexachloroethane	Not detected	ug/kg	300	8270C	02/02/09 14:01	ARH	67-72-1	TI
Nitrobenzene	Not detected	ug/kg	300	8270C	02/02/09 14:01	ARH	98-95-3	TI
Pyridine	Not detected	ug/kg	300	8270C	02/02/09 14:01	ARH	110-86-1	TI
TCLP Semi-Volatiles as Total (Replicate 01)								
o-Cresol	Not detected	ug/kg	300	8270C	02/04/09 16:59	ARH	95-48-7	T
p,m-Cresol	Not detected	ug/kg	300	8270C	02/04/09 16:59	ARH	3/4-Cresol	T

T-No correction for total solids I-Matrix interference with internal standard

Lab Sample ID: S39679.22 (continued)
Sample Tag: WWT-3-TNK-F1-1025

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCLP Semi-Volatiles as Total (Replicate 01) (continued)								
Pentachlorophenol	Not detected	ug/kg	300	8270C	02/04/09 16:59	ARH	87-86-5	T
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	02/04/09 16:59	ARH	95-95-4	T
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	02/04/09 16:59	ARH	88-06-2	T
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	02/04/09 16:59	ARH	121-14-2	T
Hexachlorobenzene	Not detected	ug/kg	300	8270C	02/04/09 16:59	ARH	118-74-1	T
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	02/04/09 16:59	ARH	87-68-3	T
Hexachloroethane	Not detected	ug/kg	300	8270C	02/04/09 16:59	ARH	67-72-1	T
Nitrobenzene	Not detected	ug/kg	300	8270C	02/04/09 16:59	ARH	98-95-3	T
Pyridine	Not detected	ug/kg	300	8270C	02/04/09 16:59	ARH	110-86-1	T

T-No correction for total solids

Analytical Laboratory Report

Lab Sample ID: S39679.23
Sample Tag: WWT-R-ROF-F1-1016
Collected Date/Time: 01/24/2009 11:55
Matrix: Solid
COC Reference: 50769

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	01/29/09 09:38	TAS		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Metals								
Arsenic	1.03	mg/kg	0.10	6020	01/30/09 14:40	SLS	7440-38-2	
Barium	20.4	mg/kg	1.0	6020	01/30/09 14:40	SLS	7440-39-3	
Cadmium	0.88	mg/kg	0.20	6020	01/30/09 14:40	SLS	7440-43-9	
Chromium	1.7	mg/kg	1.0	6020	01/30/09 14:40	SLS	7440-47-3	
Lead	21.4	mg/kg	0.50	6020	01/30/09 14:40	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/30/09 13:38	JRT	7439-97-6	
Selenium	0.26	mg/kg	0.20	6020	01/30/09 14:40	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/30/09 14:40	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	02/02/09 20:29	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/02/09 20:29	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/02/09 20:29	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/02/09 20:29	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/02/09 20:29	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/02/09 20:29	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/02/09 20:29	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S39679.24
Sample Tag: WWT-2-TNK-F1-1142
Collected Date/Time: 01/24/2009 11:45
Matrix: Sludge
COC Reference: 49072

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/29/09 09:38	TAS		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Metals								
Arsenic	0.54	mg/kg	0.10	6020	01/30/09 14:44	SLS	7440-38-2	
Barium	120	mg/kg	1.0	6020	01/30/09 14:44	SLS	7440-39-3	
Cadmium	0.35	mg/kg	0.20	6020	01/30/09 14:44	SLS	7440-43-9	
Chromium	28.6	mg/kg	1.0	6020	01/30/09 14:44	SLS	7440-47-3	
Lead	180	mg/kg	0.50	6020	01/30/09 14:44	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	01/30/09 13:40	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 14:44	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	01/30/09 14:44	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	02/02/09 20:40	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/02/09 20:40	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/02/09 20:40	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/02/09 20:40	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/02/09 20:40	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/02/09 20:40	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/02/09 20:40	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	1,000	8270C	02/02/09 16:14	ARH	95-48-7	XTI
p,m-Cresol	Not detected	ug/kg	1,000	8270C	02/02/09 16:14	ARH	3/4-Cresol	XTI
Pentachlorophenol	Not detected	ug/kg	1,000	8270C	02/02/09 16:14	ARH	87-86-5	XTI
2,4,5-Trichlorophenol	Not detected	ug/kg	1,000	8270C	02/02/09 16:14	ARH	95-95-4	XTI
2,4,6-Trichlorophenol	Not detected	ug/kg	1,000	8270C	02/02/09 16:14	ARH	88-06-2	XTI
2,4-Dinitrotoluene	Not detected	ug/kg	1,000	8270C	02/02/09 16:14	ARH	121-14-2	XTI
Hexachlorobenzene	Not detected	ug/kg	1,000	8270C	02/02/09 16:14	ARH	118-74-1	XTI
Hexachlorobutadiene	Not detected	ug/kg	1,000	8270C	02/02/09 16:14	ARH	87-68-3	XTI
Hexachloroethane	Not detected	ug/kg	1,000	8270C	02/02/09 16:14	ARH	67-72-1	XTI
Nitrobenzene	Not detected	ug/kg	1,000	8270C	02/02/09 16:14	ARH	98-95-3	XTI
Pyridine	Not detected	ug/kg	1,000	8270C	02/02/09 16:14	ARH	110-86-1	XTI
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	50	8260B	02/02/09 15:50	JGH	71-43-2	

X-Elevated reporting limit due to matrix interference T-No correction for total solids I-Matrix interference with internal standard

Analytical Laboratory Report

Lab Sample ID: S39679.24 (continued)
Sample Tag: WWT-2-TNK-F1-1142

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCLP Volatiles as Total (continued)								
Carbon tetrachloride	Not detected	ug/kg	50	8260B	02/02/09 15:50	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	8260B	02/02/09 15:50	JGH	108-90-7	
Chloroform	Not detected	ug/kg	50	8260B	02/02/09 15:50	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	50	8260B	02/02/09 15:50	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	50	8260B	02/02/09 15:50	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	8260B	02/02/09 15:50	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	500	8260B	02/02/09 15:50	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	50	8260B	02/02/09 15:50	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	50	8260B	02/02/09 15:50	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	50	8260B	02/02/09 15:50	JGH	75-01-4	

Analytical Laboratory Report

Lab Sample ID: S39679.25
Sample Tag: WWT-2-TNK-F1-1021
Collected Date/Time: 01/24/2009 12:15
Matrix: Sludge
COC Reference: 49072

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	01/28/09 23:16	EMR		
Extraction, PCB	Completed			3550B	01/29/09 09:38	TAS		
Mercury Digestion	Completed			7471A	01/29/09 14:00	JRT		
Metal Digestion	Completed			3050B	01/30/09 12:00	SLS		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	01/27/09 12:30	WAR		
Metals								
Arsenic	2.37	mg/kg	0.10	6020	01/30/09 14:47	SLS	7440-38-2	
Barium	183	mg/kg	1.0	6020	01/30/09 14:47	SLS	7440-39-3	
Cadmium	0.46	mg/kg	0.20	6020	01/30/09 14:47	SLS	7440-43-9	
Chromium	55.0	mg/kg	1.0	6020	01/30/09 14:47	SLS	7440-47-3	
Lead	162	mg/kg	0.50	6020	01/30/09 14:47	SLS	7439-92-1	
Mercury	0.202	mg/kg	0.050	7471A	01/30/09 13:42	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	01/30/09 14:47	SLS	7782-49-2	
Silver	0.31	mg/kg	0.10	6020	01/30/09 14:47	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	02/02/09 20:50	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	1,000	8082	02/02/09 20:50	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	1,000	8082	02/02/09 20:50	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	1,000	8082	02/02/09 20:50	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	1,000	8082	02/02/09 20:50	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	1,000	8082	02/02/09 20:50	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	1,000	8082	02/02/09 20:50	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCLP Semi-Volatiles as Total								
o-Cresol	Not detected	ug/kg	5,000	8270C	02/02/09 18:52	ARH	95-48-7	X
p,m-Cresol	Not detected	ug/kg	5,000	8270C	02/02/09 18:52	ARH	3/4-Cresol	X
Pentachlorophenol	Not detected	ug/kg	5,000	8270C	02/02/09 18:52	ARH	87-86-5	X
2,4,5-Trichlorophenol	Not detected	ug/kg	5,000	8270C	02/02/09 18:52	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	5,000	8270C	02/02/09 18:52	ARH	88-06-2	X
2,4-Dinitrotoluene	Not detected	ug/kg	5,000	8270C	02/02/09 18:52	ARH	121-14-2	X
Hexachlorobenzene	Not detected	ug/kg	5,000	8270C	02/02/09 18:52	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	5,000	8270C	02/02/09 18:52	ARH	87-68-3	X
Hexachloroethane	Not detected	ug/kg	5,000	8270C	02/02/09 18:52	ARH	67-72-1	X
Nitrobenzene	Not detected	ug/kg	5,000	8270C	02/02/09 18:52	ARH	98-95-3	X
Pyridine	Not detected	ug/kg	5,000	8270C	02/02/09 18:52	ARH	110-86-1	X

X-Elevated reporting limit due to matrix interference

Analytical Laboratory Report

Lab Sample ID: S39679.25 (continued)
Sample Tag: WWT-2-TNK-F1-1021

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCLP Volatiles as Total								
Benzene	Not detected	ug/kg	60	8260B	02/02/09 16:08	JGH	71-43-2	
Carbon tetrachloride	Not detected	ug/kg	60	8260B	02/02/09 16:08	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	8260B	02/02/09 16:08	JGH	108-90-7	
Chloroform	100	ug/kg	60	8260B	02/02/09 16:08	JGH	67-66-3	
1,4-Dichlorobenzene	Not detected	ug/kg	60	8260B	02/02/09 16:08	JGH	106-46-7	
1,2-Dichloroethane	Not detected	ug/kg	60	8260B	02/02/09 16:08	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	60	8260B	02/02/09 16:08	JGH	75-35-4	
2-Butanone (MEK)	Not detected	ug/kg	600	8260B	02/02/09 16:08	JGH	78-93-3	
Tetrachloroethene	Not detected	ug/kg	60	8260B	02/02/09 16:08	JGH	127-18-4	
Trichloroethene	Not detected	ug/kg	60	8260B	02/02/09 16:08	JGH	79-01-6	
Vinyl chloride	Not detected	ug/kg	60	8260B	02/02/09 16:08	JGH	75-01-4	

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C.O.C. PAGE # 1 OF 3

50758

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: O'Brien & Gere
ADDRESS: 37000 Grand River Ave Suite 260
CITY: Farmington Hills | STATE: MI | ZIP CODE: 48335
PHONE NO.: 248-477-5701 | FAX NO.: | P.O. NO.:
E-MAIL ADDRESS: alfonsjm@obg.com | QUOTE NO.:

INVOICE TO

CONTACT NAME: | X SAME
COMPANY:
ADDRESS:
CITY: | STATE: | ZIP CODE:
PHONE NO.: | FAX NO.: | P.O. NO.:

PROJECT NO./NAME: Moraine
SAMPLER(S) - PLEASE PRINT/SIGN NAME: CJF CL / Palmieri

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☒ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER, WW=WASTEWATER, S=SOIL, L=LIQUID, SD=SOLID, SL=SLUDGE, O=OIL, A=AIR, W=WASTE, M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TOTAL RCRA 8	PCB	SVOC	VOC	SPECIAL INSTRUCTIONS/NOTES
39679.01	1/24	0730	CCMP-1-OFM-FI-1001	M	1	✓								✓			
.02	1/24	0740	CCMP-1-OFM-FI-1002	O	1	✓								✓			
.03		0750	CCMP-1-OFM-FI-1003	M	1	✓								✓			
.04		0800	CCMP-1-DRC-FI-1219	M	1	✓							~~✓~~	✓			No Metals Approx GOB Area
.05		0800	CCMP-1-DUP-FI-1220	SD	1	✓							✓	✓	✓		
.06		0800	CCMP-1-FLR-FI-1221	SD	1	✓							✓	✓	✓		
.07		0840	CCMP-B-SMP-FI-1010	SL	1	✓							✓	✓	✓	✓	
.08		0830	CCMP-B-TRN-FI-1008	SL	1	✓							✓	✓	✓	✓	
.09		0910	CCMP-B-FLR-FI-1007	SD	1	✓							✓	✓	✓		
.10		0915	CCMP-B-FLR-FI-1009	SD	1	✓							✓	✓	✓		
.11		0925	CCMP-B-SMP-FI-1006	SD	1	✓							✓	✓	✓	✓	
.12		1230	CCMP-1-BLNK-FI-1223	M	1	✓								✓			

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[signature] - OBG	1/26/09	1900
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Barbara Richard	1-27-09	10:15

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.4
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Merit Laboratories, Inc.
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C.O.C. PAGE # 2 OF 3

50769

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: O'Brien & Gere
ADDRESS: 37000 Grand River Ave Suite 260
CITY: Farmington Hills STATE: MI ZIP CODE: 48335
PHONE NO.: 248-477-5701 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: alfonsjm@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: Moraine
SAMPLER(S) - PLEASE PRINT/SIGN NAME: CLOF CC / J Palmieri JP

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☒ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TOTAL RCRA 8	PCB	SVOC	VOC							SPECIAL INSTRUCTIONS/NOTES
39679.13	1/24	1005	WWT-1-TRN-FI-1018	SL	1	✓							✓	✓	✓	✓							
.14		1010	WWT-1-TRN-FI-1181	SL	1	✓							✓	✓	✓	✓							
.15		1020	WWT-1-SMP-FI-1017	SL	1	✓							✓	✓	✓	✓							
.16		1030	WWT-1-TRN-FI-1187	SD	1	✓							✓	✓	~~✓~~ JP								NO SVOC
.17		1035	WWT-2-TNK-FI-1019	SD	1	✓							✓	✓									
.18		1040	WWT-2-TNK-FI-1022	SD	1	✓							✓	✓	✓								
.19		1115	WWT-2-TNK-FI-1222	WW	6	✓	✓	✓					✓	✓	✓	✓							
.20		1130	WWT-2-TNK-FI-1023	WW	6	✓	✓	✓					✓	✓	✓	✓							
		~~1135~~	~~WWT-2-TNK-FI-1140~~	~~SD~~	~~1~~	~~✓~~							~~✓~~	~~✓~~	~~✓~~	~~✓~~ JP							
.21		1135	WWT-2-TNK-FI-1020	SL	1	✓							✓	✓	✓								
.22		1140	WWT-3-TNK-FI-1025	SD	1	✓							✓	✓	✓								
.23		1155	WWT-R-ROF-FI-1016	SD	1	✓							✓	✓									

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
CC OBG	1/26/09	1900
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION Barbara Richard	DATE 1-27-09	TIME 10:15

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.4
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 3 OF 3

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CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: O'Brien & Gere
ADDRESS: 37000 Grand River Ave Suite 260
CITY: Farmington Hills STATE: MI ZIP CODE: 48335
PHONE NO.: 248-477-5701 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: alfonsjm@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: Moraine
SAMPLER(S) - PLEASE PRINT/SIGN NAME: COX CC/PACHIEMI

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☒ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TOTAL RCRA 8	PCB	SVOC	VOC	SPECIAL INSTRUCTIONS/NOTES
39679.24	1/24	1145	WWT-2-TNK-F1-1142	SL	1	✓							✓	✓	✓	✓	
.25		1215	WWT-2-TNK-F1-1021	SL	1	✓							✓	✓	✓	✓	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Chris Cox - OBG	1/26/09	1900
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Barbara Richard	1-27-09	10:15

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.4
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S40246.01(01)
Generated on 03/30/2009

Report to

Attention: Jim Alfonsi
O'Brien & Gere Engineers
37000 Grand River Ave.
Suite 260
Farmington, MI 48335

Phone: 248-477-5701 FAX: 248-477-5962
Email: AlfonsJM@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S40246.01-S40246.22
Project: GM Moraine
Collected Date: 03/23/2009
Submitted Date/Time: 03/25/2009 09:40
Sampled by: Chris Cox
P.O. #: GMS32561

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Violetta F. Murshak
Laboratory Director

Analytical Laboratory Report

Sample Summary (22 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S40246.01	EB-1 Mar23 2009	Wipe	03/23/2009 09:15
S40246.02	CCMP-B-FLR-F1-1009-1	Solid	03/23/2009 10:25
S40246.03	CCMP-B-FLR-F1-1009-2	Solid	03/23/2009 10:30
S40246.04	CCMP-B-FLR-F1-1009-3	Solid	03/23/2009 10:35
S40246.05	CCMP-B-FLR-F1-1009-4	Solid	03/23/2009 10:40
S40246.06	CCMP-B-FLR-F1-1009-5	Solid	03/23/2009 10:55
S40246.07	CCMP-B-FLR-F1-1009-6	Solid	03/23/2009 11:00
S40246.08	CCMP-B-FLR-F1-1009-7	Solid	03/23/2009 11:05
S40246.09	CCMP-1-FLR-F1-1025	Solid	03/23/2009 12:20
S40246.10	CCMP-1-FLR-F1-1026	Solid	03/23/2009 12:25
S40246.11	CCMP-1-FLR-F1-1027	Solid	03/23/2009 12:30
S40246.12	CCMP-1-FLR-F1-1028	Solid	03/23/2009 12:35
S40246.13	EB-2 Mar23 2009	Wipe	03/23/2009 11:10
S40246.14	CCMP-1-FLR-F1-1029	Solid	03/23/2009 12:40
S40246.15	CCMP-1-FLR-F1-1030	Solid	03/23/2009 12:45
S40246.16	CCMP-1-FLR-F1-1031	Solid	03/23/2009 13:15
S40246.17	CCMP-1-FLR-F1-1032	Solid	03/23/2009 13:20
S40246.18	EB-3 Mar23 2009	Wipe	03/23/2009 13:30
S40246.19	CCMP-1-FLR-F1-1033	Solid	03/23/2009 13:45
S40246.20	CCMP-1-FLR-F1-1034	Solid	03/23/2009 13:50
S40246.21	CCMP-1-FLR-F1-1035	Solid	03/23/2009 13:55
S40246.22	CCMP-1-FLR-F1-1036	Solid	03/23/2009 14:00

Analytical Laboratory Report

Lab Sample ID: S40246.01
Sample Tag: EB-1 Mar23 2009
Collected Date/Time: 03/23/2009 09:15
Matrix: Wipe
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:41	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	03/27/09 12:35	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	03/27/09 12:35	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	03/27/09 12:35	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	03/27/09 12:35	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	03/27/09 12:35	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	03/27/09 12:35	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	03/27/09 12:35	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.02
Sample Tag: CCMP-B-FLR-F1-1009-1
Collected Date/Time: 03/23/2009 10:25
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	3,000	8082	03/27/09 12:50	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	3,000	8082	03/27/09 12:50	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	3,000	8082	03/27/09 12:50	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	3,000	8082	03/27/09 12:50	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	3,000	8082	03/27/09 12:50	JANB	12672-29-6	Y
PCB-1254	21,000	ug/kg	3,000	8082	03/27/09 12:50	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	3,000	8082	03/27/09 12:50	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S40246.03
Sample Tag: CCMP-B-FLR-F1-1009-2
Collected Date/Time: 03/23/2009 10:30
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	3,000	8082	03/27/09 13:01	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	3,000	8082	03/27/09 13:01	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	3,000	8082	03/27/09 13:01	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	3,000	8082	03/27/09 13:01	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	3,000	8082	03/27/09 13:01	JANB	12672-29-6	Y
PCB-1254	21,000	ug/kg	3,000	8082	03/27/09 13:01	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	3,000	8082	03/27/09 13:01	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S40246.04
Sample Tag: CCMP-B-FLR-F1-1009-3
Collected Date/Time: 03/23/2009 10:35
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	500	8082	03/27/09 13:12	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	500	8082	03/27/09 13:12	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	500	8082	03/27/09 13:12	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	500	8082	03/27/09 13:12	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	500	8082	03/27/09 13:12	JANB	12672-29-6	Y
PCB-1254	4,500	ug/kg	500	8082	03/27/09 13:12	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	500	8082	03/27/09 13:12	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S40246.05
Sample Tag: CCMP-B-FLR-F1-1009-4
Collected Date/Time: 03/23/2009 10:40
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	3,000	8082	03/27/09 13:23	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	3,000	8082	03/27/09 13:23	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	3,000	8082	03/27/09 13:23	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	3,000	8082	03/27/09 13:23	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	3,000	8082	03/27/09 13:23	JANB	12672-29-6	Y
PCB-1254	21,000	ug/kg	3,000	8082	03/27/09 13:23	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	3,000	8082	03/27/09 13:23	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S40246.06
Sample Tag: CCMP-B-FLR-F1-1009-5
Collected Date/Time: 03/23/2009 10:55
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 12:46	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 12:46	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 12:46	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 12:46	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 12:46	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 12:46	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 12:46	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.07
Sample Tag: CCMP-B-FLR-F1-1009-6
Collected Date/Time: 03/23/2009 11:00
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	1,000	8082	03/27/09 13:34	JANB	12674-11-2	Y
PCB-1242	Not detected	ug/kg	1,000	8082	03/27/09 13:34	JANB	53469-21-9	Y
PCB-1221	Not detected	ug/kg	1,000	8082	03/27/09 13:34	JANB	11104-28-2	Y
PCB-1232	Not detected	ug/kg	1,000	8082	03/27/09 13:34	JANB	11141-16-5	Y
PCB-1248	Not detected	ug/kg	1,000	8082	03/27/09 13:34	JANB	12672-29-6	Y
PCB-1254	5,000	ug/kg	1,000	8082	03/27/09 13:34	JANB	11097-69-1	Y
PCB-1260	Not detected	ug/kg	1,000	8082	03/27/09 13:34	JANB	11096-82-5	Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S40246.08
Sample Tag: CCMP-B-FLR-F1-1009-7
Collected Date/Time: 03/23/2009 11:05
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 13:57	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 13:57	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 13:57	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 13:57	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 13:57	JANB	12672-29-6	
PCB-1254	700	ug/kg	330	8082	03/27/09 13:57	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 13:57	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.09
Sample Tag: CCMP-1-FLR-F1-1025
Collected Date/Time: 03/23/2009 12:20
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 12:57	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 12:57	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 12:57	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 12:57	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 12:57	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 12:57	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 12:57	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.10
Sample Tag: CCMP-1-FLR-F1-1026
Collected Date/Time: 03/23/2009 12:25
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 13:08	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 13:08	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 13:08	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 13:08	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 13:08	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 13:08	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 13:08	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.11
Sample Tag: CCMP-1-FLR-F1-1027
Collected Date/Time: 03/23/2009 12:30
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 13:19	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 13:19	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 13:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 13:19	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 13:19	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 13:19	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 13:19	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.12
Sample Tag: CCMP-1-FLR-F1-1028
Collected Date/Time: 03/23/2009 12:35
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 13:30	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 13:30	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 13:30	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 13:30	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 13:30	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 13:30	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 13:30	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.13
Sample Tag: EB-2 Mar23 2009
Collected Date/Time: 03/23/2009 11:10
Matrix: Wipe
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:41	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	03/27/09 13:41	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	03/27/09 13:41	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	03/27/09 13:41	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	03/27/09 13:41	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	03/27/09 13:41	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	03/27/09 13:41	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	03/27/09 13:41	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.14
Sample Tag: CCMP-1-FLR-F1-1029
Collected Date/Time: 03/23/2009 12:40
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 13:52	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 13:52	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 13:52	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 13:52	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 13:52	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 13:52	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 13:52	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.15
Sample Tag: CCMP-1-FLR-F1-1030
Collected Date/Time: 03/23/2009 12:45
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 14:03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 14:03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 14:03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 14:03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 14:03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 14:03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 14:03	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.16
Sample Tag: CCMP-1-FLR-F1-1031
Collected Date/Time: 03/23/2009 13:15
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 14:14	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 14:14	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 14:14	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 14:14	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 14:14	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 14:14	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 14:14	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.17
Sample Tag: CCMP-1-FLR-F1-1032
Collected Date/Time: 03/23/2009 13:20
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:40	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 14:25	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 14:25	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 14:25	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 14:25	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 14:25	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 14:25	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 14:25	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.18
Sample Tag: EB-3 Mar23 2009
Collected Date/Time: 03/23/2009 13:30
Matrix: Wipe
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/26/09 15:41	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	03/27/09 14:36	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	03/27/09 14:36	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	03/27/09 14:36	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	03/27/09 14:36	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	03/27/09 14:36	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	03/27/09 14:36	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	03/27/09 14:36	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.19
Sample Tag: CCMP-1-FLR-F1-1033
Collected Date/Time: 03/23/2009 13:45
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/27/09 12:53	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 14:47	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 14:47	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 14:47	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 14:47	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 14:47	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 14:47	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 14:47	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.20
Sample Tag: CCMP-1-FLR-F1-1034
Collected Date/Time: 03/23/2009 13:50
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/27/09 12:53	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 14:53	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 14:53	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 14:53	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 14:53	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 14:53	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 14:53	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 14:53	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.21
Sample Tag: CCMP-1-FLR-F1-1035
Collected Date/Time: 03/23/2009 13:55
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/27/09 12:53	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 15:04	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 15:04	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 15:04	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 15:04	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 15:04	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 15:04	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 15:04	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40246.22
Sample Tag: CCMP-1-FLR-F1-1036
Collected Date/Time: 03/23/2009 14:00
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/27/09 12:53	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/27/09 15:15	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/27/09 15:15	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/27/09 15:15	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/27/09 15:15	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/27/09 15:15	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/27/09 15:15	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/27/09 15:15	JANB	11096-82-5	

Life Science Laboratories, Inc.
Brittonfield Lab

5000 Brittonfield Parkway, Suite 200
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: GM Moraine

Project: Facility Assessment

Sampled by: Chris Cox

Client Contact: Jim Alfonsi Phone # (248) 225-2310

Sample Description

	Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	PCBs							Comments
40246.01	EB-1 Mar 23 2009	3/23/09	0915	Wipe	Grab	1	X							
.02	CCMP-B-FLR-F1-1009-1		1025	Concrete		1	X							
.03	CCMP-B-FLR-F1-1009-2		1030			1	X							
.04	CCMP-B-FLR-F1-1009-3		1035			1	X							
.05	CCMP-B-FLR-F1-1009-4		1040			1	X							
.06	CCMP-B-FLR-F1-1009-5		1055			1	X							
.07	CCMP-B-FLR-F1-1009-6		1100			1	X							
.08	CCMP-B-FLR-F1-1009-7		1105			1	X							
.09	CCMP-1-FLR-F1-1025		1220			1	X							
.10	CCMP-1-FLR-F1-1026		1225			1	X							
.11	CCMP-1-FLR-F1-1027		1230			1	X							
.12	CCMP-1-FLR-F1-1028		1235			1	X							

Relinquished by: [signature]	Date: 3/24/09 Time: 1830	Received by: [signature]	Date: 3-25-09 Time: 0940
Relinquished by:	Date: Time:	Received by:	Date: Time:
Relinquished by:	Date: Time:	Received by Lab:	Date: Time:
Shipment Method: FedEx		Airbill Number: 8664 1033 3637	

Turnaround Time Required:
Routine X
Rush (Specify)

Comments:

Cooler Temperature:

Original - Laboratory
Copy - Client

Life Science Laboratories, Inc.
Brittonfield Lab

5000 Brittonfield Parkway, Suite 200
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: GM Moraine
Project: Facility Assessment
Sampled by: Chris Cox
Client Contact: Jim Alfonsi Phone # (248) 225-2310

Sample Description

	Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	PCB's							Comments
40246.13	EB-2Mar232009	3/23/09	1110	Wipe	Grab	1	X							
.14	CCMP-1-FLR-F1-1029		1240	Concrete		1	X							
.15	CCMP-1-FLR-F1-1030		1245			1	X							
.16	CCMP-1-FLR-F1-1031		1315			1	X							
.17	CCMP-1-FLR-F1-1032		1320			1	X							
.18	EB-3Mar232009		1330	Wipe		1	X							
.19	CCMP-1-FLR-F1-1033		1345	Concrete		1	X							
.20	CCMP-1-FLR-F1-1034		1350			1	X							
.21	CCMP-1-FLR-F1-1035		1355			1	X							
.22	CCMP-1-FLR-F1-1036		1400			1	X							

Analysis/Method

Relinquished by: [signature]	Date: 3/23/09	Time: 1830	Received by: [signature] Date: 3-25-09 Time: 0940
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by Lab: Date: Time:
Shipment Method: FedEx			Airbill Number: 8664-1033-3637

Turnaround Time Required:
Routine X
Rush (Specify)

Comments:

Cooler Temperature:

Original - Laboratory
Copy - Client

Analytical Laboratory Report

Report ID: S40298.01(01)
Generated on 04/02/2009

Report to

Attention: Jim Alfonsi
O'Brien & Gere Engineers
37000 Grand River Ave.
Suite 260
Farmington, MI 48335

Phone: 248-477-5701 FAX: 248-477-5962
Email: AlfonsJM@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S40298.01-S40298.27
Project: GM Moraine
Collected Date: 03/30/2009
Submitted Date/Time: 03/31/2009 09:40
Sampled by: Chris Cox
P.O. #: GMS32561

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Violetta F. Murshak
Laboratory Director

Analytical Laboratory Report

Sample Summary (27 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S40298.01	GENA-1-WAL-F1-2000	Solid	03/30/2009 08:30
S40298.02	GENA-1-WAL-F1-2001	Solid	03/30/2009 09:00
S40298.03	GENA-1-WAL-F1-2002	Solid	03/30/2009 09:15
S40298.04	GENA-1-WAL-F1-2003	Solid	03/30/2009 09:30
S40298.05	GENA-1-WAL-F1-2004	Solid	03/30/2009 09:45
S40298.06	GENA-1-WAL-F1-2005	Solid	03/30/2009 10:00
S40298.07	GENA-1-WAL-F1-2006	Solid	03/30/2009 10:15
S40298.08	GENA-1-WAL-F1-2007	Solid	03/30/2009 10:30
S40298.09	BODY-1-WAL-F1-2008	Solid	03/30/2009 10:45
S40298.10	BODY-1-WAL-F1-2009	Solid	03/30/2009 11:00
S40298.11	BODY-1-WAL-F1-2010	Solid	03/30/2009 11:15
S40298.12	BODY-1-WAL-F1-2011	Solid	03/30/2009 11:30
S40298.13	BODY-1-WAL-F1-2012	Solid	03/30/2009 11:45
S40298.14	BODY-1-WAL-F1-2013	Solid	03/30/2009 12:00
S40298.15	BODY-1-WAL-F1-2014	Solid	03/30/2009 12:15
S40298.16	BODY-1-WAL-F1-2015	Solid	03/30/2009 12:30
S40298.17	PANT-1-WAL-F1-2016	Solid	03/30/2009 12:45
S40298.18	PANT-1-WAL-F1-2017	Solid	03/30/2009 13:00
S40298.19	PANT-1-WAL-F1-2018	Solid	03/30/2009 13:15
S40298.20	PANT-1-WAL-F1-2019	Solid	03/30/2009 13:30
S40298.21	PANT-1-WAL-F1-2020	Solid	03/30/2009 13:45
S40298.22	PANT-1-WAL-F1-2021	Solid	03/30/2009 13:55
S40298.23	BODY-2-WAL-F1-2022	Solid	03/30/2009 14:05
S40298.24	BODY-1-WAL-F1-2023	Solid	03/30/2009 14:15
S40298.25	EB-1Mar302009	Wipe	03/30/2009 08:30
S40298.26	EB-2Mar302009	Wipe	03/30/2009 11:30
S40298.27	EB-3Mar302009	Wipe	03/30/2009 14:15

Analytical Laboratory Report

Lab Sample ID: S40298.01
Sample Tag: GENA-1-WAL-F1-2000
Collected Date/Time: 03/30/2009 08:30
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	3.35	mg/kg	0.10	6020	03/31/09 13:46	SLS	7440-38-2	
Barium	39.8	mg/kg	1.0	6020	03/31/09 13:46	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 13:46	SLS	7440-43-9	
Chromium	6.7	mg/kg	1.0	6020	03/31/09 13:46	SLS	7440-47-3	
Lead	1.95	mg/kg	0.50	6020	03/31/09 13:46	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 14:56	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 13:46	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 13:46	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 21:21	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 21:21	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 21:21	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 21:21	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 21:21	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 21:21	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 21:21	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.02
Sample Tag: GENA-1-WAL-F1-2001
Collected Date/Time: 03/30/2009 09:00
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	1.95	mg/kg	0.10	6020	03/31/09 13:49	SLS	7440-38-2	
Barium	74.6	mg/kg	1.0	6020	03/31/09 13:49	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 13:49	SLS	7440-43-9	
Chromium	14.9	mg/kg	1.0	6020	03/31/09 13:49	SLS	7440-47-3	
Lead	2.47	mg/kg	0.50	6020	03/31/09 13:49	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 14:58	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 13:49	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 13:49	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 21:32	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 21:32	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 21:32	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 21:32	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 21:32	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 21:32	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 21:32	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.03
Sample Tag: GENA-1-WAL-F1-2002
Collected Date/Time: 03/30/2009 09:15
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	3.95	mg/kg	0.10	6020	03/31/09 13:52	SLS	7440-38-2	
Barium	44.9	mg/kg	1.0	6020	03/31/09 13:52	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 13:52	SLS	7440-43-9	
Chromium	6.8	mg/kg	1.0	6020	03/31/09 13:52	SLS	7440-47-3	
Lead	1.96	mg/kg	0.50	6020	03/31/09 13:52	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:03	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 13:52	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 13:52	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 21:43	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 21:43	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 21:43	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 21:43	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 21:43	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 21:43	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 21:43	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.04
Sample Tag: GENA-1-WAL-F1-2003
Collected Date/Time: 03/30/2009 09:30
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	2.10	mg/kg	0.10	6020	03/31/09 13:56	SLS	7440-38-2	
Barium	69.8	mg/kg	1.0	6020	03/31/09 13:56	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 13:56	SLS	7440-43-9	
Chromium	13.4	mg/kg	1.0	6020	03/31/09 13:56	SLS	7440-47-3	
Lead	2.76	mg/kg	0.50	6020	03/31/09 13:56	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:05	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 13:56	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 13:56	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 21:54	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 21:54	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 21:54	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 21:54	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 21:54	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 21:54	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 21:54	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.05
Sample Tag: GENA-1-WAL-F1-2004
Collected Date/Time: 03/30/2009 09:45
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	1.76	mg/kg	0.10	6020	03/31/09 13:59	SLS	7440-38-2	
Barium	72.1	mg/kg	1.0	6020	03/31/09 13:59	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 13:59	SLS	7440-43-9	
Chromium	14.1	mg/kg	1.0	6020	03/31/09 13:59	SLS	7440-47-3	
Lead	2.51	mg/kg	0.50	6020	03/31/09 13:59	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:06	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 13:59	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 13:59	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 22:05	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 22:05	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 22:05	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 22:05	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 22:05	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 22:05	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 22:05	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.06
Sample Tag: GENA-1-WAL-F1-2005
Collected Date/Time: 03/30/2009 10:00
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	2.04	mg/kg	0.10	6020	03/31/09 14:02	SLS	7440-38-2	
Barium	82.7	mg/kg	1.0	6020	03/31/09 14:02	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 14:02	SLS	7440-43-9	
Chromium	15.2	mg/kg	1.0	6020	03/31/09 14:02	SLS	7440-47-3	
Lead	3.02	mg/kg	0.50	6020	03/31/09 14:02	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:08	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 14:02	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 14:02	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 22:16	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 22:16	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 22:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 22:16	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 22:16	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 22:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 22:16	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.07
Sample Tag: GENA-1-WAL-F1-2006
Collected Date/Time: 03/30/2009 10:15
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	1.35	mg/kg	0.10	6020	03/31/09 14:05	SLS	7440-38-2	
Barium	29.9	mg/kg	1.0	6020	03/31/09 14:05	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 14:05	SLS	7440-43-9	
Chromium	4.6	mg/kg	1.0	6020	03/31/09 14:05	SLS	7440-47-3	
Lead	1.26	mg/kg	0.50	6020	03/31/09 14:05	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:10	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 14:05	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 14:05	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 22:27	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 22:27	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 22:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 22:27	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 22:27	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 22:27	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 22:27	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.08
Sample Tag: GENA-1-WAL-F1-2007
Collected Date/Time: 03/30/2009 10:30
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	1.26	mg/kg	0.10	6020	03/31/09 14:08	SLS	7440-38-2	
Barium	41.2	mg/kg	1.0	6020	03/31/09 14:08	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 14:08	SLS	7440-43-9	
Chromium	11.2	mg/kg	1.0	6020	03/31/09 14:08	SLS	7440-47-3	
Lead	3.26	mg/kg	0.50	6020	03/31/09 14:08	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:12	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 14:08	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 14:08	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 22:38	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 22:38	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 22:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 22:38	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 22:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 22:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 22:38	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.09
Sample Tag: BODY-1-WAL-F1-2008
Collected Date/Time: 03/30/2009 10:45
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	3.47	mg/kg	0.10	6020	03/31/09 14:38	SLS	7440-38-2	
Barium	51.8	mg/kg	1.0	6020	03/31/09 14:38	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 14:38	SLS	7440-43-9	
Chromium	6.0	mg/kg	1.0	6020	03/31/09 14:38	SLS	7440-47-3	
Lead	1.48	mg/kg	0.50	6020	03/31/09 14:38	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:34	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 14:38	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 14:38	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 22:49	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 22:49	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 22:49	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 22:49	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 22:49	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 22:49	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 22:49	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.10
Sample Tag: BODY-1-WAL-F1-2009
Collected Date/Time: 03/30/2009 11:00
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	3.52	mg/kg	0.10	6020	03/31/09 14:11	SLS	7440-38-2	
Barium	34.6	mg/kg	1.0	6020	03/31/09 14:11	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 14:11	SLS	7440-43-9	
Chromium	6.9	mg/kg	1.0	6020	03/31/09 14:11	SLS	7440-47-3	
Lead	12.2	mg/kg	0.50	6020	03/31/09 14:11	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:36	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 14:11	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 14:11	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 23:00	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 23:00	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 23:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 23:00	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 23:00	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 23:00	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 23:00	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.11
Sample Tag: BODY-1-WAL-F1-2010
Collected Date/Time: 03/30/2009 11:15
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	2.34	mg/kg	0.10	6020	03/31/09 14:54	SLS	7440-38-2	
Barium	113	mg/kg	1.0	6020	03/31/09 14:54	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 14:54	SLS	7440-43-9	
Chromium	22.5	mg/kg	1.0	6020	03/31/09 14:54	SLS	7440-47-3	
Lead	3.04	mg/kg	0.50	6020	03/31/09 14:54	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:37	JRT	7439-97-6	
Selenium	0.26	mg/kg	0.20	6020	03/31/09 14:54	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 14:54	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 23:11	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 23:11	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 23:11	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 23:11	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 23:11	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 23:11	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 23:11	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.12
Sample Tag: BODY-1-WAL-F1-2011
Collected Date/Time: 03/30/2009 11:30
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	2.57	mg/kg	0.10	6020	03/31/09 14:57	SLS	7440-38-2	
Barium	35.3	mg/kg	1.0	6020	03/31/09 14:57	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 14:57	SLS	7440-43-9	
Chromium	4.4	mg/kg	1.0	6020	03/31/09 14:57	SLS	7440-47-3	
Lead	32.2	mg/kg	0.50	6020	03/31/09 14:57	SLS	7439-92-1	
Mercury	0.185	mg/kg	0.050	7471A	04/01/09 15:20	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 14:57	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 14:57	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 23:22	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 23:22	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 23:22	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 23:22	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 23:22	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 23:22	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 23:22	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.13
Sample Tag: BODY-1-WAL-F1-2012
Collected Date/Time: 03/30/2009 11:45
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	1.82	mg/kg	0.10	6020	03/31/09 15:00	SLS	7440-38-2	
Barium	59.1	mg/kg	1.0	6020	03/31/09 15:00	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 15:00	SLS	7440-43-9	
Chromium	10.1	mg/kg	1.0	6020	03/31/09 15:00	SLS	7440-47-3	
Lead	50.3	mg/kg	0.50	6020	03/31/09 15:00	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:39	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 15:00	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 15:00	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 23:34	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 23:34	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 23:34	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 23:34	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 23:34	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 23:34	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 23:34	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.14
Sample Tag: BODY-1-WAL-F1-2013
Collected Date/Time: 03/30/2009 12:00
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	3.39	mg/kg	0.10	6020	03/31/09 15:03	SLS	7440-38-2	
Barium	32.0	mg/kg	1.0	6020	03/31/09 15:03	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 15:03	SLS	7440-43-9	
Chromium	5.6	mg/kg	1.0	6020	03/31/09 15:03	SLS	7440-47-3	
Lead	4.82	mg/kg	0.50	6020	03/31/09 15:03	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:41	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 15:03	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 15:03	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 23:45	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 23:45	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 23:45	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 23:45	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 23:45	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 23:45	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 23:45	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.15
Sample Tag: BODY-1-WAL-F1-2014
Collected Date/Time: 03/30/2009 12:15
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	3.56	mg/kg	0.10	6020	03/31/09 15:06	SLS	7440-38-2	
Barium	29.9	mg/kg	1.0	6020	03/31/09 15:06	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 15:06	SLS	7440-43-9	
Chromium	6.6	mg/kg	1.0	6020	03/31/09 15:06	SLS	7440-47-3	
Lead	6.38	mg/kg	0.50	6020	03/31/09 15:06	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:43	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 15:06	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 15:06	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	03/31/09 23:56	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/31/09 23:56	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/31/09 23:56	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/31/09 23:56	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/31/09 23:56	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/31/09 23:56	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/31/09 23:56	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.16
Sample Tag: BODY-1-WAL-F1-2015
Collected Date/Time: 03/30/2009 12:30
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	3.84	mg/kg	0.10	6020	03/31/09 15:10	SLS	7440-38-2	
Barium	29.8	mg/kg	1.0	6020	03/31/09 15:10	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 15:10	SLS	7440-43-9	
Chromium	5.4	mg/kg	1.0	6020	03/31/09 15:10	SLS	7440-47-3	
Lead	22.1	mg/kg	0.50	6020	03/31/09 15:10	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:45	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 15:10	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 15:10	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	04/01/09 00:07	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	04/01/09 00:07	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	04/01/09 00:07	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	04/01/09 00:07	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	04/01/09 00:07	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	04/01/09 00:07	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	04/01/09 00:07	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.17
Sample Tag: PANT-1-WAL-F1-2016
Collected Date/Time: 03/30/2009 12:45
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	2.49	mg/kg	0.10	6020	03/31/09 15:13	SLS	7440-38-2	
Barium	43.1	mg/kg	1.0	6020	03/31/09 15:13	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 15:13	SLS	7440-43-9	
Chromium	7.5	mg/kg	1.0	6020	03/31/09 15:13	SLS	7440-47-3	
Lead	2.07	mg/kg	0.50	6020	03/31/09 15:13	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:47	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 15:13	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 15:13	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	04/01/09 00:18	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	04/01/09 00:18	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	04/01/09 00:18	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	04/01/09 00:18	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	04/01/09 00:18	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	04/01/09 00:18	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	04/01/09 00:18	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.18
Sample Tag: PANT-1-WAL-F1-2017
Collected Date/Time: 03/30/2009 13:00
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	3.47	mg/kg	0.10	6020	03/31/09 15:16	SLS	7440-38-2	
Barium	56.2	mg/kg	1.0	6020	03/31/09 15:16	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 15:16	SLS	7440-43-9	
Chromium	6.1	mg/kg	1.0	6020	03/31/09 15:16	SLS	7440-47-3	
Lead	5.13	mg/kg	0.50	6020	03/31/09 15:16	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:48	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 15:16	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 15:16	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	04/01/09 00:29	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	04/01/09 00:29	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	04/01/09 00:29	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	04/01/09 00:29	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	04/01/09 00:29	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	04/01/09 00:29	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	04/01/09 00:29	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.19
Sample Tag: PANT-1-WAL-F1-2018
Collected Date/Time: 03/30/2009 13:15
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 12:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	2.97	mg/kg	0.10	6020	03/31/09 15:19	SLS	7440-38-2	
Barium	40.0	mg/kg	1.0	6020	03/31/09 15:19	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 15:19	SLS	7440-43-9	
Chromium	6.0	mg/kg	1.0	6020	03/31/09 15:19	SLS	7440-47-3	
Lead	2.31	mg/kg	0.50	6020	03/31/09 15:19	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 15:50	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 15:19	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 15:19	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	04/01/09 00:40	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	04/01/09 00:40	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	04/01/09 00:40	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	04/01/09 00:40	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	04/01/09 00:40	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	04/01/09 00:40	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	04/01/09 00:40	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.20
Sample Tag: PANT-1-WAL-F1-2019
Collected Date/Time: 03/30/2009 13:30
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	03/31/09 14:49	DJS		
Mercury Digestion	Completed			7471A	04/01/09 13:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	5.80	mg/kg	0.10	6020	03/31/09 15:22	SLS	7440-38-2	
Barium	78.0	mg/kg	1.0	6020	03/31/09 15:22	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 15:22	SLS	7440-43-9	
Chromium	10.0	mg/kg	1.0	6020	03/31/09 15:22	SLS	7440-47-3	
Lead	2.68	mg/kg	0.50	6020	03/31/09 15:22	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 16:02	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 15:22	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 15:22	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	04/01/09 00:51	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	04/01/09 00:51	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	04/01/09 00:51	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	04/01/09 00:51	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	04/01/09 00:51	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	04/01/09 00:51	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	04/01/09 00:51	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.21
Sample Tag: PANT-1-WAL-F1-2020
Collected Date/Time: 03/30/2009 13:45
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	04/01/09 15:15	DJS		
Mercury Digestion	Completed			7471A	04/01/09 13:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	3.86	mg/kg	0.10	6020	03/31/09 15:48	SLS	7440-38-2	
Barium	61.0	mg/kg	1.0	6020	04/01/09 11:40	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 15:48	SLS	7440-43-9	
Chromium	7.6	mg/kg	1.0	6020	03/31/09 15:48	SLS	7440-47-3	
Lead	2.73	mg/kg	0.50	6020	03/31/09 15:48	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 16:09	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 15:48	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 15:48	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	04/01/09 15:16	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	04/01/09 15:16	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	04/01/09 15:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	04/01/09 15:16	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	04/01/09 15:16	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	04/01/09 15:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	04/01/09 15:16	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.22
Sample Tag: PANT-1-WAL-F1-2021
Collected Date/Time: 03/30/2009 13:55
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	04/01/09 15:15	DJS		
Mercury Digestion	Completed			7471A	04/01/09 13:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	7.62	mg/kg	0.10	6020	03/31/09 15:51	SLS	7440-38-2	
Barium	100	mg/kg	1.0	6020	04/01/09 11:43	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 15:51	SLS	7440-43-9	
Chromium	12.5	mg/kg	1.0	6020	03/31/09 15:51	SLS	7440-47-3	
Lead	4.47	mg/kg	0.50	6020	03/31/09 15:51	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 16:04	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 15:51	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 15:51	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	04/01/09 15:27	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	04/01/09 15:27	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	04/01/09 15:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	04/01/09 15:27	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	04/01/09 15:27	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	04/01/09 15:27	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	04/01/09 15:27	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.23
Sample Tag: BODY-2-WAL-F1-2022
Collected Date/Time: 03/30/2009 14:05
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	04/01/09 15:15	DJS		
Mercury Digestion	Completed			7471A	04/01/09 13:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	3.92	mg/kg	0.10	6020	03/31/09 15:54	SLS	7440-38-2	
Barium	69.1	mg/kg	1.0	6020	04/01/09 11:46	SLS	7440-39-3	
Cadmium	0.27	mg/kg	0.20	6020	03/31/09 15:54	SLS	7440-43-9	
Chromium	7.6	mg/kg	1.0	6020	03/31/09 15:54	SLS	7440-47-3	
Lead	13.8	mg/kg	0.50	6020	03/31/09 15:54	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 16:06	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 15:54	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 15:54	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	04/01/09 15:38	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	04/01/09 15:38	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	04/01/09 15:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	04/01/09 15:38	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	04/01/09 15:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	04/01/09 15:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	04/01/09 15:38	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.24
Sample Tag: BODY-1-WAL-F1-2023
Collected Date/Time: 03/30/2009 14:15
Matrix: Solid
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	04/01/09 15:15	DJS		
Mercury Digestion	Completed			7471A	04/01/09 13:30	JRT		
Metal Digestion	Completed			3050B	03/31/09 12:00	SLS		
Metals								
Arsenic	2.31	mg/kg	0.10	6020	03/31/09 15:57	SLS	7440-38-2	
Barium	41.9	mg/kg	1.0	6020	04/01/09 11:49	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	03/31/09 15:57	SLS	7440-43-9	
Chromium	7.0	mg/kg	1.0	6020	03/31/09 15:57	SLS	7440-47-3	
Lead	2.11	mg/kg	0.50	6020	03/31/09 15:57	SLS	7439-92-1	
Mercury	Not detected	mg/kg	0.050	7471A	04/01/09 16:08	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	03/31/09 15:57	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	03/31/09 15:57	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	04/01/09 15:49	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	04/01/09 15:49	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	04/01/09 15:49	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	04/01/09 15:49	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	04/01/09 15:49	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	04/01/09 15:49	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	04/01/09 15:49	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40298.25
Sample Tag: EB-1Mar302009
Collected Date/Time: 03/30/2009 08:30
Matrix: Wipe
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	n/a	n/a	Yes	n/a	n/a

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
No Analyses	Completed				03/31/09 10:10	BJR		

Analytical Laboratory Report

Lab Sample ID: S40298.26
Sample Tag: EB-2Mar302009
Collected Date/Time: 03/30/2009 11:30
Matrix: Wipe
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	n/a	n/a	Yes	n/a	n/a

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
No Analyses	Completed				03/31/09 10:10	BJR		

Analytical Laboratory Report

Lab Sample ID: S40298.27
Sample Tag: EB-3Mar302009
Collected Date/Time: 03/30/2009 14:15
Matrix: Wipe
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	n/a	n/a	Yes	n/a	n/a

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
No Analyses	Completed				03/31/09 10:10	BJR		

Merit Laboratories, Inc.

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C.O.C. PAGE # 1 OF 3

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: O'Brien + Gere
ADDRESS: 37000 Grand River Avenue, Suite 260
CITY: Farmington Hills | STATE: MI | ZIP CODE: 48335
PHONE NO.: (248) 477-5701 | FAX NO.: (248) 477-5962 | P.O. NO.:
E-MAIL ADDRESS: altonsjm@obg.com | QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: | STATE: | ZIP CODE:
PHONE NO.: | FAX NO.: | P.O. NO.:

PROJECT NO./NAME: GM Moraine FEA
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Chris Cox/

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☒ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER, SL=SLUDGE, WW=WASTEWATER, O=OIL, S=SOIL, A=AIR, L=LIQUID, W=WASTE, SD=SOLID, M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: Samples will need to be crushed.

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	NaOH	OTHER	PCB	Metals
40298.01	3/30/09	0830	GENA-1-WAL-FI-2000	SD	1	X							X	X
.02		0900	GENA-1-WAL-FI-2001		1	X							X	X
.03		0915	GENA-1-WAL-FI-2002		1	X							X	X
.04		0930	GENA-1-WAL-FI-2003		1	X							X	X
.05		0945	GENA-1-WAL-FI-2004		1	X							X	X
.06		1000	GENA-1-WAL-FI-2005		1	X							X	X
.07		1015	GENA-1-WAL-FI-2006		1	X							X	X
.08		1030	GENA-1-WAL-FI-2007		1	X							X	X
.09		1045	BODY-1-WAL-FI-2008		1	X							X	X
.10		1100	BODY-1-WAL-FI-2009		1	X							X	X
.11		1115	BODY-1-WAL-FI-2010		1	X							X	X
.12		1130	BODY-1-WAL-FI-2011		1	X							X	X

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Chris Cox/OBG	DATE 3/30/09	TIME 1800	RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	RECEIVED BY: SIGNATURE/ORGANIZATION: Barbara Rudall	DATE 3-31-09	TIME 9:40
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO. / SEAL INTACT YES ☐ NO ☐ / INITIALS	NOTES: TEMP. ON ARRIVAL 4.8	
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO. / SEAL INTACT YES ☐ NO ☐ / INITIALS		

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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Phone (517) 332-0167 Fax (517) 332-6333
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C.O.C. PAGE # 2 OF 3

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: D'Brien + Gere
ADDRESS: 37000 Grand River Avenue, Suite 260
CITY: Farmington Hills | STATE: MI | ZIP CODE: 48335
PHONE NO.: (248) 477-5701 | FAX NO.: (248) 477-5962 | P.O. NO:
E-MAIL ADDRESS: alfonsjm@dbg.com | QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: | STATE: | ZIP CODE:
PHONE NO.: | FAX NO.: | P.O. NO:

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME: GM Moraine FEA
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Chris Cox / [illegible]

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☒ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

SPECIAL INSTRUCTIONS/NOTES: Samples will need to be crushed.

MATRIX CODE: GW=GROUNDWATER, WW=WASTEWATER, S=SOIL, L=LIQUID, SD=SOLID, SL=SLUDGE, O=OIL, A=AIR, W=WASTE, M=MISC

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PCB's	Metals
40298.13	3/30/09	1145	BODY-1-WAL-F1-2012	SD	1	X							X	X
.14		1200	BODY-1-WAL-F1-2013		1	X							X	X
.15		1215	BODY-1-WAL-F1-2014		1	X							X	X
.16		1230	BODY-1-WAL-F1-2015		1	X							X	X
.17		1245	PANT-1-WAL-F1-2016		1	X							X	X
.18		1300	PANT-1-WAL-F1-2017		1	X							X	X
.19		1315	PANT-1-WAL-F1-2018		1	X							X	X
.20		1330	PANT-1-WAL-F1-2019		1	X							X	X
.21		1345	PANT-1-WAL-F1-2020		1	X							X	X
.22		1355	PANT-1-WAL-F1-2021		1	X							X	X
.23		1405	BODY-2-WAL-F1-2022		1	X							X	X
.24		1415	BODY-1-WAL-F1-2023		1	X							X	X

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[illegible] / DBG	3/30/09	1800
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION: Barbara Richard	DATE 3-31-09	TIME 9:40

SEAL NO	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4.8

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 3 OF 3

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: O'Brien + Gere
ADDRESS: 37000 Grand River Avenue, Suite 260
CITY: Farmington Hills | STATE: MI | ZIP CODE: 48335
PHONE NO.: (248) 477-5701 | FAX NO.: (248) 477-5962 | P.O. NO.:
E-MAIL ADDRESS: alfonsim@obg.com | QUOTE NO.:

INVOICE TO

CONTACT NAME | ☐ SAME
COMPANY
ADDRESS
CITY | STATE | ZIP CODE
PHONE NO. | FAX NO. | P.O. NO.

PROJECT NO./NAME: GM Moraine FEA
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Chris Cox

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☒ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER, SL=SLUDGE, WW=WASTEWATER, O=OIL, S=SOIL, A=AIR, L=LIQUID, W=WASTE, SD=SOLID, M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PCB
410298.25	3/30/09	0830	EB-1 Mar 30 2009	M	1	X							X
.26	↓	1130	EB-2 Mar 30 2009	M	1	X							X
.27	↓	1415	EB-3 Mar 30 2009	M	1	X							X

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Chris Cox / OBG	3/30/09	1800
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION: Barbara Rickel	DATE 3-31-09	TIME 9:40

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.8
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S40309.01(01)
Generated on 04/02/2009

Report to

Attention: Jim Alfonsi
O'Brien & Gere Engineers
37000 Grand River Ave.
Suite 260
Farmington, MI 48335

Phone: 248-477-5701 FAX: 248-477-5962
Email: AlfonsJM@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S40309.01-S40309.03
Project: GM Moraine
Collected Date: 03/30/2009
Submitted Date/Time: 04/01/2009 09:45
Sampled by: Chris Cox
P.O. #: GMS32561

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Violetta F. Murshak
Laboratory Director

Analytical Laboratory Report

Sample Summary (3 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S40309.01	EB-1Mar302009	Wipe	03/30/2009 08:30
S40309.02	EB-2Mar302009	Wipe	03/30/2009 11:30
S40309.03	EB-3Mar302009	Wipe	03/30/2009 14:15

Analytical Laboratory Report

Lab Sample ID: S40309.01
Sample Tag: EB-1Mar302009
Collected Date/Time: 03/30/2009 08:30
Matrix: Wipe
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	04/01/09 16:54	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	04/02/09 14:16	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	04/02/09 14:16	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	04/02/09 14:16	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	04/02/09 14:16	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	04/02/09 14:16	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	04/02/09 14:16	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	04/02/09 14:16	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40309.02
Sample Tag: EB-2Mar302009
Collected Date/Time: 03/30/2009 11:30
Matrix: Wipe
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	04/01/09 16:54	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	04/02/09 14:27	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	04/02/09 14:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	04/02/09 14:27	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	04/02/09 14:27	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	04/02/09 14:27	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	04/02/09 14:27	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	04/02/09 14:27	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40309.03
Sample Tag: EB-3Mar302009
Collected Date/Time: 03/30/2009 14:15
Matrix: Wipe
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	Hexane	Yes	4.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	04/01/09 16:54	TAS		
Organics - PCBs/Pesticides								
PCB Swab List								
PCB-1016	Not detected	ug/100cm2	1	8082	04/02/09 14:38	JANB	12674-11-2	
PCB-1221	Not detected	ug/100cm2	1	8082	04/02/09 14:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/100cm2	1	8082	04/02/09 14:38	JANB	11141-16-5	
PCB-1242	Not detected	ug/100cm2	1	8082	04/02/09 14:38	JANB	53469-21-9	
PCB-1248	Not detected	ug/100cm2	1	8082	04/02/09 14:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/100cm2	1	8082	04/02/09 14:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/100cm2	1	8082	04/02/09 14:38	JANB	11096-82-5	

Merit Laboratories, Inc.

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C.O.C. PAGE # 3 OF 3

REPORT TO

CONTACT NAME: Jim Alfonsi
COMPANY: O'Brien + Gere
ADDRESS: 37000 Grand River Avenue, Suite 260
CITY: Farmington Hills | STATE: MI | ZIP CODE: 48335
PHONE NO.: (248) 477-5701 | FAX NO.: (248) 477-5962 | P.O. NO.:
E-MAIL ADDRESS: alfonsjm@obg.com | QUOTE NO.:

INVOICE TO

CONTACT NAME | ☐ SAME
COMPANY
ADDRESS
CITY | STATE | ZIP CODE
PHONE NO. | FAX NO. | P.O. NO.

PROJECT NO./NAME: GM Moraine FEA
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Chris Cox

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☒ STANDARD ☐ LEVEL II ☐ LEVEL III ☐ OTHER

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES

MATRIX CODE: GW=GROUNDWATER, SL=SLUDGE, WW=WASTEWATER, O=OIL, S=SOIL, A=AIR, L=LIQUID, W=WASTE, SD=SOLID, M=MISC

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PCB's
40309.01	3/30/09	0830	EB-1 Mar 30 2009	M	1	X							X
02	↓	1130	EB-2 Mar 30 2009	M	1	X							X
03	↓	1415	EB-3 Mar 30 2009	M	1	X							X

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Chris Cox / OBG	3/30/09	1700			
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	RECEIVED BY: SIGNATURE/ORGANIZATION: Barbara Rhead	DATE 4-1-09	TIME 9:45
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO. / SEAL INTACT YES ☐ NO ☐ / INITIALS	NOTES: TEMP. ON ARRIVAL 4.8	
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO. / SEAL INTACT YES ☐ NO ☐ / INITIALS		

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S40774.01(01)
Generated on 05/19/2009

Report to

Attention: Jim Alfonsi
O'Brien & Gere Engineers
37000 Grand River Ave.
Suite 260
Farmington, MI 48335

Phone: 248-477-5701 FAX: 248-477-5962
Email: AlfonsJM@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S40774.01-S40774.09
Project: GM Moraine 43793.001.110
Collected Date: 05/12/2009
Submitted Date/Time: 05/13/2009 15:30
Sampled by: Stephen Dehring
P.O. #: GMS32561

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Violetta F. Murshak
Laboratory Director

Analytical Laboratory Report

Sample Summary (9 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S40774.01	CCMP-B-DUS-F1-1011	Solid	05/12/2009 10:47
S40774.02	CCMP-B-DUS-F1-1012	Solid	05/12/2009 10:50
S40774.03	CCMP-B-DUS-F1-1013	Solid	05/12/2009 10:55
S40774.04	CCMP-B-DUS-F1-1014	Solid	05/12/2009 10:58
S40774.05	CCMP-B-TRN-F1-1015	Solid	05/12/2009 11:05
S40774.06	CCMP-B-FLR-F1-1009-8	Solid	05/12/2009 11:15
S40774.07	CCMP-B-FLR-F1-1009-9	Solid	05/12/2009 11:20
S40774.08	CCMP-B-FLR-F1-1009-10	Solid	05/12/2009 11:25
S40774.09	CCMP-B-FLR-F1-1009-11	Solid	05/12/2009 11:30

Analytical Laboratory Report

Lab Sample ID: S40774.01
Sample Tag: CCMP-B-DUS-F1-1011
Collected Date/Time: 05/12/2009 10:47
Matrix: Solid
COC Reference: 47158

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	05/14/09 15:57	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	05/18/09 14:13	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	05/18/09 14:13	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	05/18/09 14:13	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	05/18/09 14:13	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	05/18/09 14:13	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	05/18/09 14:13	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	05/18/09 14:13	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40774.02
Sample Tag: CCMP-B-DUS-F1-1012
Collected Date/Time: 05/12/2009 10:50
Matrix: Solid
COC Reference: 47158

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	05/14/09 15:57	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	05/18/09 14:24	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	05/18/09 14:24	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	05/18/09 14:24	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	05/18/09 14:24	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	05/18/09 14:24	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	05/18/09 14:24	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	05/18/09 14:24	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40774.03
Sample Tag: CCMP-B-DUS-F1-1013
Collected Date/Time: 05/12/2009 10:55
Matrix: Solid
COC Reference: 47158

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	05/14/09 15:57	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	05/18/09 14:35	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	05/18/09 14:35	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	05/18/09 14:35	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	05/18/09 14:35	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	05/18/09 14:35	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	05/18/09 14:35	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	05/18/09 14:35	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40774.04
Sample Tag: CCMP-B-DUS-F1-1014
Collected Date/Time: 05/12/2009 10:58
Matrix: Solid
COC Reference: 47158

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	05/14/09 15:57	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	05/18/09 14:46	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	05/18/09 14:46	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	05/18/09 14:46	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	05/18/09 14:46	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	05/18/09 14:46	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	05/18/09 14:46	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	05/18/09 14:46	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40774.05
Sample Tag: CCMP-B-TRN-F1-1015
Collected Date/Time: 05/12/2009 11:05
Matrix: Solid
COC Reference: 47158

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	05/14/09 15:57	TAS		
Mercury Digestion	Completed			7471A	05/18/09 13:00	JRT		
Metal Digestion	Completed			3050B	05/15/09 12:00	SLS		
Metals								
Arsenic	9.79	mg/kg	0.10	6020	05/15/09 13:32	SLS	7440-38-2	
Barium	132	mg/kg	1.0	6020	05/15/09 13:32	SLS	7440-39-3	
Cadmium	5.39	mg/kg	0.20	6020	05/15/09 13:32	SLS	7440-43-9	
Chromium	95.5	mg/kg	1.0	6020	05/15/09 13:32	SLS	7440-47-3	
Lead	204	mg/kg	0.50	6020	05/15/09 13:32	SLS	7439-92-1	
Mercury	0.324	mg/kg	0.050	7471A	05/18/09 15:27	JRT	7439-97-6	
Selenium	0.27	mg/kg	0.20	6020	05/15/09 13:32	SLS	7782-49-2	
Silver	1.92	mg/kg	0.10	6020	05/15/09 13:32	SLS	7440-22-4	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	05/18/09 14:02	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	05/18/09 14:02	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	05/18/09 14:02	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	05/18/09 14:02	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	05/18/09 14:02	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	05/18/09 14:02	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	05/18/09 14:02	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40774.06
Sample Tag: CCMP-B-FLR-F1-1009-8
Collected Date/Time: 05/12/2009 11:15
Matrix: Solid
COC Reference: 47158

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	05/14/09 15:57	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	05/18/09 14:57	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	05/18/09 14:57	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	05/18/09 14:57	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	05/18/09 14:57	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	05/18/09 14:57	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	05/18/09 14:57	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	05/18/09 14:57	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40774.07
Sample Tag: CCMP-B-FLR-F1-1009-9
Collected Date/Time: 05/12/2009 11:20
Matrix: Solid
COC Reference: 47158

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	05/14/09 15:57	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	05/18/09 15:08	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	05/18/09 15:08	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	05/18/09 15:08	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	05/18/09 15:08	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	05/18/09 15:08	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	05/18/09 15:08	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	05/18/09 15:08	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40774.08
Sample Tag: CCMP-B-FLR-F1-1009-10
Collected Date/Time: 05/12/2009 11:25
Matrix: Solid
COC Reference: 47158

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	05/14/09 15:57	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	05/18/09 15:19	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	05/18/09 15:19	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	05/18/09 15:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	05/18/09 15:19	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	05/18/09 15:19	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	05/18/09 15:19	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	05/18/09 15:19	JANB	11096-82-5	

Analytical Laboratory Report

Lab Sample ID: S40774.09
Sample Tag: CCMP-B-FLR-F1-1009-11
Collected Date/Time: 05/12/2009 11:30
Matrix: Solid
COC Reference: 47158

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	05/14/09 15:57	TAS		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	05/18/09 15:31	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	05/18/09 15:31	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	05/18/09 15:31	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	05/18/09 15:31	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	05/18/09 15:31	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	05/18/09 15:31	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	05/18/09 15:31	JANB	11096-82-5	

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C.O.C. PAGE # 1 OF 1

47158

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jim Alfocs
COMPANY: O'Brien & Gere
ADDRESS: 37000 Grand River Ave Suite 260
CITY: Farmington Hills STATE: MI ZIP CODE: 48335
PHONE NO.: FAX NO.: P.O. NO.:
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: Ken Gombel SAME
COMPANY: GM
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: GM Moraine 43793.001.110
SAMPLEHOLDER - PLEASE PRINT/SIGN NAME: Stephen Gehrke
TURNAROUND TIME REQUIRED: 24 HR 48 HR 72 HR STANDARD OTHER
DELIVERABLES REQUIRED: STANDARD LEVEL II LEVEL III OTHER

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MATRIX CODE: GW=GROUNDWATER SL=SLUDGE WW=WASTEWATER O=OIL S=SOIL A=AIR L=LIQUID W=WASTE SD=SOLID M=MISC

MERIT LAB NO.	DATE (2009)	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PCB	RCRA Metals	SPECIAL INSTRUCTIONS/NOTES
40774.01	5/12	1047	CCMP-B-DUS-F1-1011	SD	1	X							X		
.02		1050	CCMP-B-DUS-F1-1012	SD	1	X							X		
.03		1055	CCMP-B-DUS-F1-1013	SD	1	X							X		
.04		1058	CCMP-B-DUS-F1-1014	SD	1	X							X		
.05		1105	CCMP-B-~~DUS~~ TKN-F1-1015	SD	1	X							X	X	
.06		1115	CCMP-B-~~DUS~~ FLR-F1-1009-8	SD	1	X							X		
.07		1120	CCMP-B-FLR-F1-1009-9	SD	1	X							X		
.08		1125	CCMP-B-FLR-F1-1009-10	SD	1	X							X		
.09		1130	CCMP-B-FLR-F1-1009-11	SD	1	X							X		

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
OBG	5/13/09	10:00
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
MAS	5/13/09	10:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
	5-13-09	15:30
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Barbara [illegible]	5-13-09	15:30

SEAL NO.	SEAL INTACT YES NO	INITIALS
SEAL NO.	SEAL INTACT YES NO	INITIALS

NOTES:

TEMP ON ARRIVAL 4.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

APPENDIX C

General Motors Decommissioning Specifications (not included in draft)

APPENDIX F

Listing of Hazardous Substances and Petroleum Products

Materials found onsite during Phase I Site Inspection

- Numerous fluorescent light bulbs (still in-place and boxes of replacement bulbs)
- Numerous mercury vapor light bulbs (still in-place only saw several replacement bulbs)
- Refrigerant in refrigerators (kitchen and numerous ones though-out the plant, and ACs)
- Admin building boiler room (250 gallons of boiler chemical treatment (BL-8703)—currently being used in the operation of the boiler)
- Admin building boiler room (15 gallons of boiler chemical Optisperse ADJ0346—not being used)
- Asbestos in the Admin building, vertical pipe runs, some floor tile, mastic, asbestos board along heater, 1R roof
- Admin building—kitchen grease trap in basement not emptied
- Janitors closets though-out the Admin build still have some normal cleaning agents
- Drum of Freon 113 in Admin building 3rd floor penthouse
- Pneumatic pump in Votech training room still has 20 gallons of hydraulic fluid
- Paint shop—Powder paint booth—some powder paint still remaining on the floor (approx. 5 gal or less)
- ELPO building may have lead in the spilled ELPO onsite
- 3rd floor paint building—Cation exchange resign 20-40gallon cardboard barrels (USFC-211) Granular material
- Paint room elevator had 20 gallons or less of hydraulic oil in drip tray beneath hydraulic system
- Fire Pump houses still have batteries and fuel in tanks to power fire protection pumps
- Paint building Sump—Pump is still fully operational—with hydraulic oils
- Old paint shop—antifreeze (glycol) still in small overflow tank near compressor/pump (< 20 gallons)
- Body Shop— a drum of sealer (Henkel corporation) <15 gallons
- Body Shop—partial drum of transmission fluid
- Old tunnels—possible asbestos on pipes
- Final process area—in-ground hydraulic lifts still present—pumped out but reportedly leaked
- Final process area—drum (30 gallon) of grease
- Old Compressor building—Tote of Solvo clean (floor Cleaner) approx 125 gallons
- Old Compressor building—Several partial drums of glycol
- Old Compressor building—55gallon drum of SafetyKleen premium Gold Solvent-P/N 6638
- Old Compressor building—batteries for backup
- Old Compressor Building—several small bottles of “red oil” –Dash pot (damper) oil < 1 gallon
- WWTP Lab—some small containers of reagent water, pH buffer solution, janitor cleaning supplies in janitors closet
- WWTP—Filter [press sludge on floor and beneath the filter press (approx 55 gallon drum worth) filter press cake is primarily composed of paint sludge
- Mobile building near tank farm—batter backup supply, refrigerator and AC unit, computer electronics, car batteries
- Water testing—probable oils still left in pit machinery
- CVO Garage Building—solvents, sealers, ATF, grease, gas in gas cans, spray cans (total amount <55 gallons)

APPENDIX G

Copy of the NPDES Permit

OhioEPA

State of Ohio Environmental Protection Agency

STREET ADDRESS:
Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

MAILING ADDRESS:
P.O. Box 1049
Columbus, OH 43216-1049

June 20, 2007

Re: Ohio EPA Permit No. 1IC00008*ID
Facility Name: Moraine Utility Service

General Motors Corporation
300 Renaissance Center
Detroit, MI 48265

Ladies and Gentlemen:

Transmitted herewith is one copy of the final National Pollutant Discharge Elimination System permit referenced above.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and shall set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Directors within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Patti L. Smith

Patti L. Smith, Supervisor
Permit Processing Unit
Division of Surface Water

PLS/kep

Enclosure

CERTIFIED MAIL

Ohio EPA Invoice/Receipt

Date Printed: June 19, 2007

Revenue ID: 612737

Please include this Revenue ID with all correspondence.

Organization ID: 61863

Information: General Motors Corporation Moraine
General Motors Corporation Moraine Utili
2601 W Stroop Rd
Moraine, OH 45439-

Due Date: August 16, 2007

Amount Due: $1,500.00

Effective Date: August 01, 2007

Revenue Description: DSW- NPDES Permit Issuance

Program Name: NPDES Permitting

Reason: NPDES Permit Renewal Issuance-1IC00008*ID-GMC Moraine Utility Svs

For some Revenues, Interest and/or Penalties may be charged for late payment.

Next Interest Date (If applicable): September 15, 2007

Next Penalty Date (if applicable):

Organization ID: 61863

Information: General Motors Corporation Moraine
General Motors Corporation Moraine Utili
2601 W Stroop Rd
Moraine, OH 45439-

Due Date: Aug 16, 2007

Amount Due: $1,500.00

Secondary Type/Id: SNPDE / 1IC00008

Revenue Type: PTONI

Amount Enclosed: $_____

Remit to: **Ohio Environmental Protection Agency - OFA**
Department L-2711
Columbus, OH 43260-2711

Check ID: _____

Check Date: _____

Check Number: _____

Check Amount: $_____

61863	General Motors Corporation Moraine	150000	PTONI	612737

Application No. OH0009431

Issue Date: June 20, 2007

Effective Date: August 1, 2007

Expiration Date: July 31, 2012

Ohio Environmental Protection Agency
Authorization to Discharge Under the
National Pollutant Discharge Elimination System

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

General Motors Corporation

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the Moraine Utility Services facility located at 3600 Dryden Road, Moraine, Ohio, Montgomery County and discharging to the Great Miami River via storm sewer and drainage ditch in accordance with the conditions specified in Parts I, II, III, IV, V, and VI of this permit.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.

Chris Korleski
Director

Total Pages: 29

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date of this permit, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 1IC00008001. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 001 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	45	-	-	30	129	-	86.5	1 / 2 Weeks	24hr Composite	All
00550 - Oil and Grease, Total - mg/l	20	-	-	10	57.6	-	28.8	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total	All

Notes for station 1IC00008001:

- This discharge is limited to non-contact cooling water, reverse osmosis blowdown, fire flow testing, and storm runoff.

- Suspended Solids and Oil & Grease shall be sampled when discharging from the retention basin.

* Effluent loadings based on average flow of 0.761 MGD.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date of this permit, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 1IC00008002. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 002 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	45	-	-	30	213	-	142	1 / 2 Weeks	24hr Composite	All
00550 - Oil and Grease, Total - mg/l	20	-	-	10	95	-	47	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total	All

Notes for station 1IC00008002

- This discharge is limited to non-contact cooling water, reverse osmosis blowdown, fire flow testing, and storm runoff:

- Suspended Solids and Oil & Grease shall be sampled when discharging from the retention basin.

* Effluent loadings based on average flow of 1.252 MGD.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date of this permit, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 1IC00008601. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 601 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Month	Grab	All
00550 - Oil and Grease, Total - mg/l	20	-	-	10	9.3	-	9.3	1/Month	Grab	All
03864 - 1,2-Cis-Dichloroethene - ug/l	10.0	-	-	-	0.0093	-	-	1/Month	Grab	All
34010 - Toluene - ug/l	10.0	-	-	-	0.0093	-	-	1/Month	Grab	All
34030 - Benzene - ug/l	10.0	-	-	-	0.0093	-	-	1/Month	Grab	All
34311 - Chloroethane - ug/l	10.0	-	-	-	0.0093	-	-	1/Month	Grab	All
34371 - Ethylbenzene - ug/l	10.0	-	-	-	0.0093	-	-	1/Month	Grab	All
34496 - 1,1-Dichloroethane - ug/l	10.0	-	-	-	0.0093	-	-	1/Month	Grab	All
34506 - 1,1,1-Trichloroethane - ug/l	10.0	-	-	-	0.0093	-	-	1/Month	Grab	All
39175 - Vinyl Chloride - ug/l	10.0	-	-	-	0.0093	-	-	1/Month	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total	All
78389 - Tetrachloroethene - ug/l	10.0	-	-	-	0.0093	-	-	1/Month	Grab	All
78391 - Trichloroethene - ug/l	10.0	-	-	-	0.0093	-	-	1/Month	Grab	All
81551 - Xylene, Total - ug/l	10.0	-	-	-	0.0093	-	-	1/Month	Grab	All

Notes for station 1IC00008601:
.This discharge is limited to flow from the groundwater recovery and treatment system which has been installed as an interim measure pursuant to U.S. EPA orders.
.Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, state this in the remarks section and LEAVE THE DATA AREA BLANK (signature still required).
* Effluent loadings based on average design flow of 0.245 MGD.

Part II, OTHER REQUIREMENTS

A. Description of the location of the required sampling stations are as follows:

Sampling Station	Description of Location
1IC00008001	North retention basin discharge to storm drainage ditch (Lat: 39N 42' 02"; Long: 84W 14' 06")
1IC00008002	South retention basin discharge to storm sewer (Lat: 39N 41' 37"; Long: 84W 13' 58")
1IC00008601	Groundwater treatment system discharge to storm sewer to south retention basin (Lat: 39N 41' 26"; Long: 84W 13' 29")

B. This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved.

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
2. Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

C. All parameters, except flow, need not be monitored on days when the plant is not normally staffed (Saturdays, Sundays, and Holidays). On those days, report "AN" on the monthly report form.

D. In the event that the permittee's operation requires the use of cooling or boiler water treatment additives that are discharged to surface waters of the state, written permission must be obtained from the director of the Ohio EPA prior to use. Reporting and testing requirements to apply for permission to use additives can be obtained from the Ohio EPA, Central Office, Division of Surface Water, Water Resources Management Section. Reported information will be used to evaluate whether the use of the additive(s) at concentrations expected in the final discharge will be harmful or inimical to aquatic life.

E. Permit limitations may be revised in order to meet water quality standards after a stream use determination and waste load allocation are completed and approved. This permit may be modified, or alternatively, revoked and reissued, to comply with any applicable water quality effluent limitations.

F. There shall be no detectable amount of any priority pollutant attributable to cooling tower maintenance chemicals in the cooling tower blowdown wastewater.

G. Composite samples shall be comprised of a series of grab samples collected over a 24-hour period and proportionate in volume to the wastewater flow rate at the time of sampling. Such samples shall be collected at such times and locations, and in such a fashion, as to be representative of the facility's overall performance.

H. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.

I. Final permit limitations based on preliminary or approved waste load allocations are subject to change based on modifications to or finalization of the allocation or report or changes to Water Quality Standards. Monitoring requirements and/or special conditions of this permit are subject to change based on regulatory or policy changes.

PART III - GENERAL CONDITIONS

1. DEFINITIONS

"Daily discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

"Average weekly" discharge limitation means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week. Each of the following 7-day periods is defined as a calendar week: Week 1 is Days 1 - 7 of the month; Week 2 is Days 8 - 14; Week 3 is Days 15 - 21; and Week 4 is Days 22 - 28. If the "daily discharge" on days 29, 30 or 31 exceeds the "average weekly" discharge limitation, Ohio EPA may elect to evaluate the last 7 days of the month as Week 4 instead of Days 22 - 28. Compliance with fecal coliform bacteria or E coli bacteria limitations shall be determined using the geometric mean.

"Average monthly" discharge limitation means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month. Compliance with fecal coliform bacteria or E coli bacteria limitations shall be determined using the geometric mean.

"85 percent removal" means the arithmetic mean of the values for effluent samples collected in a period of 30 consecutive days shall not exceed 15 percent of the arithmetic mean of the values for influent samples collected at approximately the same times during the same period.

"Absolute Limitations" Compliance with limitations having descriptions of "shall not be less than," "nor greater than," "shall not exceed," "minimum," or "maximum" shall be determined from any single value for effluent samples and/or measurements collected.

"Net concentration" shall mean the difference between the concentration of a given substance in a sample taken of the discharge and the concentration of the same substances in a sample taken at the intake which supplies water to the given process. For the purpose of this definition, samples that are taken to determine the net concentration shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"Net Load" shall mean the difference between the load of a given substance as calculated from a sample taken of the discharge and the load of the same substance in a sample taken at the intake which supplies water to given process. For purposes of this definition, samples that are taken to determine the net loading shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"MGD" means million gallons per day.

"mg/l" means milligrams per liter.

"ug/l" means micrograms per liter.

"ng/l" means nanograms per liter.

"S.U." means standard pH unit.

"kg/day" means kilograms per day.

"Reporting Code" is a five digit number used by the Ohio EPA in processing reported data. The reporting code does not imply the type of analysis used nor the sampling techniques employed.

"Quarterly (1/Quarter) sampling frequency" means the sampling shall be done in the months of March, June, August, and December, unless specificially identified otherwise in the Effluent Limitations and Monitoring Requirements table.

"Yearly (1/Year) sampling frequency" means the sampling shall be done in the month of September, unless specificially identified otherwise in the effluent limitations and monitoring requirements table.

"Semi-annual (2/Year) sampling frequency" means the sampling shall be done during the months of June and December, unless specificially identified otherwise.

"Winter" shall be considered to be the period from November 1 through April 30.

"Bypass" means the intentional diversion of waste streams from any portion of the treatment facility.

"Summer" shall be considered to be the period from May 1 through October 31.

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

"Sewage sludge" means a solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in a treatment works as defined in section 6111.01 of the Revised Code. "Sewage sludge" includes, but is not limited to, scum or solids removed in primary, secondary, or advanced wastewater treatment processes. "Sewage sludge" does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator, grit and screenings generated during preliminary treatment of domestic sewage in a treatment works, animal manure, residue generated during treatment of animal manure, or domestic septage.

"Sewage sludge weight" means the weight of sewage sludge, in dry U.S. tons, including admixtures such as liming materials or bulking agents. Monitoring frequencies for sewage sludge parameters are based on the reported sludge weight generated in a calendar year (use the most recent calendar year data when the NPDES permit is up for renewal).

"Sewage sludge fee weight" means the weight of sewage sludge, in dry U.S. tons, excluding admixtures such as liming materials or bulking agents. Annual sewage sludge fees, as per section 3745.11(Y) of the Ohio Revised Code, are based on the reported sludge fee weight for the most recent calendar year.

2. GENERAL EFFLUENT LIMITATIONS

The effluent shall, at all times, be free of substances:

A. In amounts that will settle to form putrescent, or otherwise objectionable, sludge deposits; or that will adversely affect aquatic life or water fowl;

B. Of an oily, greasy, or surface-active nature, and of other floating debris, in amounts that will form noticeable accumulations of scum, foam or sheen;

C. In amounts that will alter the natural color or odor of the receiving water to such degree as to create a nuisance;

D. In amounts that either singly or in combination with other substances are toxic to human, animal, or aquatic life;

E. In amounts that are conducive to the growth of aquatic weeds or algae to the extent that such growths become inimical to more desirable forms of aquatic life, or create conditions that are unsightly, or constitute a nuisance in any other fashion;

F. In amounts that will impair designated instream or downstream water uses.

3. FACILITY OPERATION AND QUALITY CONTROL

All wastewater treatment works shall be operated in a manner consistent with the following:

A. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with conditions of the permit.

B. The permittee shall effectively monitor the operation and efficiency of treatment and control facilities and the quantity and quality of the treated discharge.

C. Maintenance of wastewater treatment works that results in degradation of effluent quality shall be scheduled during non-critical water quality periods and shall be carried out in a manner approved by Ohio EPA as specified in the Paragraph in the PART III entitled, "UNAUTHORIZED DISCHARGES".

4. REPORTING

A. Monitoring data required by this permit may be submitted in hardcopy format on the Ohio EPA 4500 report form pre-printed by Ohio EPA or an approved facsimile. Ohio EPA 4500 report forms for each individual sampling station are to be received no later than the 15th day of the month following the month-of-interest. The original report form must be signed and mailed to:

Ohio Environmental Protection Agency
Lazarus Government Center
Division of Surface Water
Enforcement Section ES/MOR
P.O. Box 1049
Columbus, Ohio 43216-1049

Monitoring data may also be submitted electronically using Ohio EPA developed SWIMware software. Data must be transmitted to Ohio EPA via electronic mail or the bulletin board system by the 20th day of the month following the month-of-interest. A Surface Water Information Management System (SWIMS) Memorandum of Agreement (MOA) must be signed by the responsible official and submitted to Ohio EPA to receive an authorized Personal Identification Number (PIN) prior to sending data electronically. A hardcopy of the Ohio EPA 4500 form must be generated via SWIMware, signed and maintained onsite for records retention purposes.

B. If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified below, the results of such monitoring shall be included in the calculation and reporting of the values required in the reports specified above.

C. Analyses of pollutants not required by this permit, except as noted in the preceding paragraph, shall not be reported on Ohio EPA report form (4500) but records shall be retained as specified in the paragraph entitled "RECORDS RETENTION".

5. SAMPLING AND ANALYTICAL METHOD

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored flow. Test procedures for the analysis of pollutants shall conform to regulation 40 CFR 136, "Test Procedures For The Analysis of Pollutants" unless other test procedures have been specified in this permit. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to insure accuracy of measurements.

6. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

A. The exact place and date of sampling; (time of sampling not required on EPA 4500)

B. The person(s) who performed the sampling or measurements;

C. The date the analyses were performed on those samples;

D. The person(s) who performed the analyses;

E. The analytical techniques or methods used; and

F. The results of all analyses and measurements.

7. RECORDS RETENTION

The permittee shall retain all of the following records for the wastewater treatment works for a minimum of three years except those records that pertain to sewage sludge disposal, use, storage, or treatment, which shall be kept for a minimum of five years, including:

A. All sampling and analytical records (including internal sampling data not reported);

B. All original recordings for any continuous monitoring instrumentation;

C. All instrumentation, calibration and maintenance records;

D. All plant operation and maintenance records;

E. All reports required by this permit; and

F. Records of all data used to complete the application for this permit for a period of at least three years, or five years for sewage sludge, from the date of the sample, measurement, report, or application.

These periods will be extended during the course of any unresolved litigation, or when requested by the Regional Administrator or the Ohio EPA. The three year period, or five year period for sewage sludge, for retention of records shall start from the date of sample, measurement, report, or application.

8. AVAILABILITY OF REPORTS

Except for data determined by the Ohio EPA to be entitled to confidential status, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate district offices of the Ohio EPA. Both the Clean Water Act and Section 6111.05 Ohio Revised Code state that effluent data and receiving water quality data shall not be considered confidential.

9. DUTY TO PROVIDE INFORMATION

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

10. RIGHT OF ENTRY

The permittee shall allow the Director or an authorized representative upon presentation of credentials and other documents as may be required by law to:

A. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.

B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.

C. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.

D. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

11. UNAUTHORIZED DISCHARGES

A. Bypassing or diverting of wastewater from the treatment works is prohibited unless:

1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of downtime. This condition is not satisfied if adequate back up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

3. The permittee submitted notices as required under paragraph D. of this section,

B. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

C. The Director may approve an unanticipated bypass after considering its adverse effects, if the Director determines that it has met the three conditions listed in paragraph 11.A. of this section.

D. The permittee shall submit notice of an unanticipated bypass as required in section 12. A.

E. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded if that bypass is for essential maintenance to assure efficient operation.

12. NONCOMPLIANCE NOTIFICATION

A. The permittee shall by telephone report any of the following within twenty-four (24) hours of discovery at (toll free) 1-800-282-9378:

1. Any noncompliance which may endanger health or the environment;

2. Any unanticipated bypass which exceeds any effluent limitation in the permit; or

3. Any upset which exceeds any effluent limitation in the permit.

4. Any violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit.

B. For the telephone reports required by Part 12.A., the following information must be included:

1. The times at which the discharge occurred, and was discovered;

2. The approximate amount and the characteristics of the discharge;

3. The stream(s) affected by the discharge;

4. The circumstances which created the discharge;

5. The names and telephone numbers of the persons who have knowledge of these circumstances;

6. What remedial steps are being taken; and

7. The names and telephone numbers of the persons responsible for such remedial steps.

C. These telephone reports shall be confirmed in writing within five days of the discovery of the discharge and/or noncompliance and submitted to the appropriate Ohio EPA district office. The report shall include the following:

1. The limitation(s) which has been exceeded;

2. The extent of the exceedance(s);

3. The cause of the exceedance(s);

4. The period of the exceedance(s) including exact dates and times;

5. If uncorrected, the anticipated time the exceedance(s) is expected to continue, and

6. Steps being taken to reduce, eliminate, and/or prevent occurrence of the exceedance(s).

D. Compliance Schedule Events:

If the permittee is unable to meet any date for achieving an event, as specified in the schedule of compliance, the permittee shall submit a written report to the appropriate district office of the Ohio EPA within 14 days of becoming aware of such situation. The report shall include the following:

1. The compliance event which has been or will be violated;

2. The cause of the violation;

3. The remedial action being taken;

4. The probable date by which compliance will occur; and

5. The probability of complying with subsequent and final events as scheduled.

E. The permittee shall report all instances of noncompliance not reported under paragraphs A, B, or C of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraphs B and C of this section.

F. Where the permittee becomes aware that it failed to submit any relevant application or submitted incorrect information in a permit application or in any report to the director, it shall promptly submit such facts or information.

13. RESERVED

14. DUTY TO MITIGATE

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

15. AUTHORIZED DISCHARGES

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than, or at a level in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such violations may result in the imposition of civil and/or criminal penalties as provided for in Section 309 of the Act and Ohio Revised Code Sections 6111.09 and 6111.99.

16. DISCHARGE CHANGES

The following changes must be reported to the appropriate Ohio EPA district office as soon as practicable:

A. For all treatment works, any significant change in character of the discharge which the permittee knows or has reason to believe has occurred or will occur which would constitute cause for modification or revocation and reissuance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. Notification of permit changes or anticipated noncompliance does not stay any permit condition.

B. For publicly owned treatment works:

1. Any proposed plant modification, addition, and/or expansion that will change the capacity or efficiency of the plant;

2. The addition of any new significant industrial discharge; and

3. Changes in the quantity or quality of the wastes from existing tributary industrial discharges which will result in significant new or increased discharges of pollutants.

C. For non-publicly owned treatment works, any proposed facility expansions, production increases, or process modifications, which will result in new, different, or increased discharges of pollutants.

Following this notice, modifications to the permit may be made to reflect any necessary changes in permit conditions, including any necessary effluent limitations for any pollutants not identified and limited herein. A determination will also be made as to whether a National Environmental Policy Act (NEPA) review will be required. Sections 6111.44 and 6111.45, Ohio Revised Code, require that plans for treatment works or improvements to such works be approved by the Director of the Ohio EPA prior to initiation of construction.

D. In addition to the reporting requirements under 40 CFR 122.41(l) and per 40 CFR 122.42(a), all existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

1. That any activity has occurred or will occur which would result in the discharge on a routine or frequent basis of any toxic pollutant which is not limited in the permit. If that discharge will exceed the highest of the "notification levels" specified in 40 CFR Sections 122.42(a)(1)(i) through 122.42(a)(1)(iv).

2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the "notification levels" specified in 122.42(a)(2)(i) through 122.42(a)(2)(iv).

17. TOXIC POLLUTANTS

The permittee shall comply with effluent standards or prohibitions established under Section 307 (a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement. Following establishment of such standards or prohibitions, the Director shall modify this permit and so notify the permittee.

18. PERMIT MODIFICATION OR REVOCATION

A. After notice and opportunity for a hearing, this permit may be modified or revoked, by the Ohio EPA, in whole or in part during its term for cause including, but not limited to, the following:

1. Violation of any terms or conditions of this permit;

2. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

3. Change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge.

B. Pursuant to rule 3745-33-04, Ohio Administrative Code, the permittee may at any time apply to the Ohio EPA for modification of any part of this permit. The filing of a request by the permittee for a permit modification or revocation does not stay any permit condition. The application for modification should be received by the appropriate Ohio EPA district office at least ninety days before the date on which it is desired that the modification become effective. The application shall be made only on forms approved by the Ohio EPA.

19. TRANSFER OF OWNERSHIP OR CONTROL

This permit may be transferred or assigned and a new owner or successor can be authorized to discharge from this facility, provided the following requirements are met:

A. The permittee shall notify the succeeding owner or successor of the existence of this permit by a letter, a copy of which shall be forwarded to the appropriate Ohio EPA district office. The copy of that letter will serve as the permittee's notice to the Director of the proposed transfer. The copy of that letter shall be received by the appropriate Ohio EPA district office sixty (60) days prior to the proposed date of transfer;

B. A written agreement containing a specific date for transfer of permit responsibility and coverage between the current and new permittee (including acknowledgement that the existing permittee is liable for violations up to that date, and that the new permittee is liable for violations from that date on) shall be submitted to the appropriate Ohio EPA district office within sixty days after receipt by the district office of the copy of the letter from the permittee to the succeeding owner;

At anytime during the sixty (60) day period between notification of the proposed transfer and the effective date of the transfer, the Director may prevent the transfer if he concludes that such transfer will jeopardize compliance with the terms and conditions of the permit. If the Director does not prevent transfer, he will modify the permit to reflect the new owner.

20. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act:

21. SOLIDS DISPOSAL

Collected grit and screenings, and other solids other than sewage sludge, shall be disposed of in such a manner as to prevent entry of those wastes into waters of the state, and in accordance with all applicable laws and rules.

22. CONSTRUCTION AFFECTING NAVIGABLE WATERS

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

23. CIVIL AND CRIMINAL LIABILITY

Except as exempted in the permit conditions on UNAUTHORIZED DISCHARGES or UPSETS, nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

24. STATE LAWS AND REGULATIONS

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Clean Water Act.

25. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

26. UPSET

The provisions of 40 CFR Section 122.41(n), relating to "Upset," are specifically incorporated herein by reference in their entirety. For definition of "upset," see Part III, Paragraph 1, DEFINITIONS.

27. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

28. SIGNATORY REQUIREMENTS

All applications submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR 122.22.

All reports submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR Section 122.22.

29. OTHER INFORMATION

A. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

B. ORC 6111.99 provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $25,000 per violation.

C. ORC 6111.99 states that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $25,000 per violation.

D. ORC 6111.99 provides that any person who violates Sections 6111.04, 6111.042, 6111.05, or division (A) of Section 6111.07 of the Revised Code shall be fined not more than $25,000 or imprisoned not more than one year, or both.

30. NEED TO HALT OR REDUCE ACTIVITY

40 CFR 122.41(c) states that it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with conditions of this permit.

31. APPLICABLE FEDERAL RULES

All references to 40 CFR in this permit mean the version of 40 CFR which is effective as of the effective date of this permit.

32. AVAILABILITY OF PUBLIC SEWERS

Not withstanding the issuance or non-issuance of an NPDES permit to a semi-public disposal system, whenever the sewage system of a publicly owned treatment works becomes available and accessible, the permittee operating any semi-public disposal system shall abandon the semi-public disposal system and connect it into the publicly owned treatment works.

Part IV. STORM WATER POLLUTION PREVENTION PLANS

A storm water pollution prevention plan (plan) shall be developed to address each outfall that discharges to waters of the state that contains storm water associated with industrial activity. Storm water pollution prevention plans shall be prepared in accordance with good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with industrial activity from the facility. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit. Facilities must implement the provisions of the storm water pollution prevention plan required under this part as a condition of this permit.

A. Deadlines for Plan Preparation and Compliance.

1. The plan for a storm water discharge associated with industrial activity:

   a. shall be prepared within six months of the effective date of this permit (and updated as appropriate);
   b. shall provide for implementation and compliance with the terms of the plan within twelve months of the effective date of this permit.

2. Upon a showing of good cause, the Director may establish a later date for preparing and compliance with a plan for a storm water discharge associated with industrial activity.

B. Signature and Plan Review.

1. The plan shall be signed in accordance with Part VI, and be retained on-site at the facility which generates the storm water discharge.

2. The permittee shall make plans available upon request to the Ohio EPA Director, or authorized representative, or Regional Administrator of U.S. EPA, or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system, to the operator of the municipal system.

3. The Director may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this Part. Within 30 days of such notification from the Director, the permittee shall make the required changes to the plan and shall submit to the Director a written certification that the requested changes have been made.

4. All storm water pollution prevention plans required under this permit are considered reports that shall be available to the public under Section 308(b) of the Act. The permittee may claim any portion of a storm water pollution plan as confidential in accordance with 40 CFR Part 2 and does not have to release any portion of the plan describing facility security measures (such as provided for in Part IV.D.7.b.(8) of this permit). An interested party wishing a copy of a discharger's SWP3 will have to contact the Ohio EPA to obtain a copy.

C. Keeping Plans Current.

The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance, that has a significant effect on the potential for the discharge of pollutants to the waters of the State or if the storm water pollution prevention plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under Part IV.D.2 of this permit, or otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with industrial activity. Amendments to the plan may be reviewed by Ohio EPA in the same manner as Part IV.B above.

D. Contents of Plan. The plan shall include, at a minimum, the following items:

1. Pollution Prevention Team - Each plan shall identify a specific individual or individuals within the facility organization as members of a storm water Pollution Prevention Team that are responsible for developing the storm water pollution prevention plan and assisting the facility or plant manager in its implementation, maintenance, and revision. The plan shall clearly identify the responsibilities of each team member. The activities and responsibilities of the team shall address all aspects of the facility's storm water pollution prevention plan.

2. Description of Potential Pollutant Sources. Each plan shall provide a description of potential sources which may reasonably be expected to add significant amounts of pollutants to storm water discharges or which may result in the discharge of pollutants during dry weather from separate storm sewers draining the facility. Each plan shall identify all activities and significant materials which may potentially be significant pollutant sources. Each plan shall include, at a minimum:

D. (continued)

a. Drainage.

(1) A site map indicating an outline of the drainage area of each storm water outfall, each existing structural control measure to reduce pollutants in storm water runoff, surface water bodies, locations where significant materials are exposed to precipitation, locations where major spills or leaks identified under Part IV.D.2.c of this permit have occurred, and the locations of the following activities where such activities are exposed to precipitation: fueling stations, vehicle

and equipment maintenance and/or cleaning areas, loading/unloading areas, locations used for the treatment, storage or disposal of wastes, liquid storage tanks, processing areas and storage areas.

(2) For each area of the facility that generates storm water discharges associated with industrial activity with a reasonable potential for containing significant amounts of pollutants, a prediction of the direction of flow, and an estimate of the types of pollutants which are likely to be present in storm water discharges associated with industrial activity. Flows with a significant potential for causing erosion shall be identified.

b. Inventory of Exposed Materials. An inventory of the types of materials handled at the site that potentially may be exposed to precipitation. Such inventory shall include a narrative description of significant materials that have been handled, treated, stored or disposed in a manner to allow exposure to storm water between the time of three years prior to the date of the issuance of this permit and the present; method and location of on-site storage or disposal; materials management practices employed to minimize contact of materials with storm water runoff between the time of three years prior to the date of the issuance of this permit and the present; the location and a description of existing structural and non-structural control measures to reduce pollutants in storm water runoff; and a description of any treatment the storm water receives.

c. Spills and Leaks. A list of significant spills and significant leaks of toxic or hazardous pollutants that occurred at the facility after the date of three years prior to the effective date of this permit.

d. Sampling Data. A summary of existing discharge sampling data describing pollutants in storm water discharges from the facility.

e. Risk Identification and Summary of Potential Pollutant Sources. A narrative description of the potential pollutant sources at the following areas: loading and unloading operations; outdoor storage activities; outdoor manufacturing or processing activities; significant dust or particulate generating processes; and on-site waste disposal practices. The description shall specifically list any significant potential source of pollutants at the site and for each potential source, any pollutant or pollutant parameter (e.g. biochemical oxygen demand, etc.) of concerns shall be identified.

3. Measures and Controls. Each facility covered by this permit shall develop a description of storm water management controls appropriate for the facility, and implement such controls. The appropriateness and priorities of controls in a plan shall reflect identified potential sources of pollutants at the facility. The description of storm water management controls shall address the following minimum components, including a schedule for implementing such controls:

a. Good Housekeeping - Good housekeeping requires the maintenance of a clean, orderly facility.

b. Preventive Maintenance - A preventive maintenance program shall involve inspection and maintenance of storm water management devices (e.g. cleaning oil/water separators, catch basins) as well as inspecting and testing facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters, and ensuring appropriate maintenance of such equipment and systems.

c. Spill Prevention and Response Procedures - Areas where potential spills can occur, and their accompanying drainage points shall be identified clearly in the storm water pollution prevention plan. Where appropriate, specifying material handling procedures, storage requirements, and use of equipment such as diversion valves in the plan should be considered. Procedures for cleaning up spills shall be identified in the plan and made available to the appropriate personnel. The necessary equipment to implement a clean up should be available to personnel.

Part IV. STORM WATER POLLUTION PREVENTION PLANS (continued)

D. (continued)

d. Inspections - In addition to or as part of the comprehensive site evaluation required under Part IV.4. of this permit, qualified facility personnel shall be identified to inspect designated equipment and areas of the facility at appropriate intervals specified in the plan. A set of tracking or follow-up procedures shall be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections shall be maintained.

e. Employee Training - Employee training programs shall inform personnel at all levels of responsibility of the components and goals of the storm water pollution prevention plan. Training should address topics such as spill response, good housekeeping and material management practices. The plan shall identify periodic dates for such training.

f. Recordkeeping and Internal Reporting Procedures - A description of incidents such as spills, or other discharges, along with other information describing the quality and quantity of storm water discharges shall be included in the plan required under this part. Inspections and maintenance activities shall be documented and records of such activities shall be incorporated into the plan.

g. Non-Storm Water Discharges

(1) The plan shall include a certification that the discharge has been tested or evaluated for the presence of non-storm water discharges. The certification shall include the identification of potential significant sources of non-storm water at the site, a description of the results of any test and/or evaluation for the presence of non-storm water discharges, the evaluation criteria or testing method used, the date of any testing and/or evaluation, and the on-site drainage points that were directly observed during the test. Such certification may not be feasible if the facility operating the storm water discharge associated with industrial activity does not have access to an outfall, manhole, or other point of access to the ultimate conduit which receives the discharge. In such cases, the source identification section of the storm water pollution plan shall indicate why the certification required by this part was not feasible, along with the identification of potential significant sources of non-storm water at the site. A discharger that is unable to provide the certification required by this paragraph must notify in accordance with Part IV.A of this permit.

(2) Except for flows from fire fighting activities, sources of non-storm water listed in Part VI of this permit that are combined with storm water discharges associated with industrial activity must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

h. Sediment and Erosion Control - The plan shall identify areas which, due to topography, activities, or other factors, have a high potential for significant soil erosion, and identify measures to limit erosion.

i. Management of Runoff - The plan shall contain a narrative consideration of the appropriateness of traditional storm water management practices (practices other than those which control the source of pollutants) used to divert, infiltrate, reuse, or otherwise manage storm water runoff in a manner that reduces pollutants in storm water discharges from the site. The plan shall provide that measures determined to be reasonable and appropriate shall be implemented and maintained. The potential of various sources at the facility to contribute pollutants to storm water discharges associated with industrial activity (see Parts IV.D.2.(b), (d) and (e) of this permit) shall be considered when determining reasonable and appropriate measures. Appropriate measures may include: including vegetative swales and practices, reuse of collected storm water (such as for a process or as an irrigation source), inlet controls (such as oil/water separators), snow management activities, infiltration devices, and wet detention/retention devices.

4. Comprehensive Site Compliance Evaluation. Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the plan, but, except as provided in paragraph IV.D.4.d, in no case less than once a year. Such evaluations shall provide:

a. Material handling areas and other potential sources of pollution identified in the plan in accordance with paragraph IV.D.2 of this permit shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Structural storm water management measures, sediment and control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.

D. (continued)

b. Based on the results of the inspection, the description of potential pollutant sources identified in the plan in accordance with paragraph IV.D.2 of this permit and pollution prevention measures and controls identified in the plan in accordance with paragraph IV.D.3 of this permit shall be revised as appropriate within two weeks of such inspection and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than twelve weeks after the inspection.

c. A report summarizing the scope of the inspection, personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with paragraph IV.D.4.b of the permit shall be made and retained as part of the storm water pollution prevention plan for at least three years. The report shall be signed in accordance with Part VI.B of this permit.

5. Additional requirements for storm water discharges associated with industrial activity through municipal separate storm sewer systems serving a population of 100,000 or more.

   In addition to the applicable requirements of this permit, facilities covered by this permit must comply with applicable requirements in municipal storm water management programs developed under NPDES permits issued for the discharge of the municipal separate storm sewer system that receives the facility's discharge, provided the discharger has been notified of such conditions.

6. Consistency with other plans. Storm water pollution prevention plans may reflect requirements for Spill Prevention Control and Countermeasure (SPCC) plans developed for the facility under section 311 of the Act or Best Management Practices (BMP) Programs otherwise required by a NPDES permit for the facility as long as such requirement is incorporated into the storm water pollution prevention plan.

7. Additional requirements for storm water discharges associated with industrial activity from facilities subject to SARA Title III, Section 313 requirements are not applicable to Section 313 water priority chemicals in gaseous or non-soluble liquid or solid [at atmospheric pressure and temperature] forms. In addition to the requirements of Parts IV.D.1 through 4 of this permit and other applicable conditions of this permit, storm water pollution prevention plans for facilities subject to reporting requirements under SARA Title III, Section 313 for chemicals which are classified as "Section 313 water priority chemicals" in accordance with the definition in Part VI of this permit, shall describe and ensure the implementation of practices which are necessary to provide for conformance with the following guidelines:

   a. In areas where Section 313 water priority chemicals are stored, processed or otherwise handled, appropriate containment, drainage control and/or diversionary structures shall be provided. At a minimum, one of the following preventive systems or its equivalent shall be used:

      (1) Curbing, culverting, gutters, sewers or other forms of drainage control to prevent or minimize the potential for storm water run-on to come into contact with significant sources of pollutants; or
      (2) Roofs, covers or other forms of appropriate protection to prevent storage piles from exposure to storm water, and wind blowing.

   b. In addition to the minimum standards listed under Part IV.D.7.a of this permit, the storm water pollution prevention plan shall include a complete discussion of measures taken to conform with the following applicable guidelines, other effective storm water pollution prevention procedures, and applicable State rules, regulations and guidelines:

      (1) Liquid storage areas where storm water comes into contact with any equipment, tank, container, or other vessel used for Section 313 water priority chemicals.

         (a) No tank or container shall be used for the storage of a Section 313 water priority chemical unless its material and construction are compatible with the material stored and conditions of storage such as pressure and temperature, etc.

         (b) Liquid storage areas for Section 313 water priority chemicals shall be operated to minimize discharges of Section 313 chemicals. Appropriate measures to minimize discharges of Section 313 chemicals may include secondary containment provided for at least the entire contents of the largest single tank plus sufficient freeboard to allow for precipitation, a strong spill contingency and integrity testing plan, and/or other equivalent measures.

D. (continued)

(2) Material storage areas for Section 313 water priority chemicals other than liquids. Material storage areas for Section 313 water priority chemicals other than liquids which are subject to runoff, leaching, or wind blowing shall incorporate drainage or other control features which will minimize the discharge of Section 313 water priority chemicals by reducing storm water contact with Section 313 water priority chemicals.

(3) Truck and rail car loading and unloading areas for liquid Section 313 water priority chemicals. Truck and rail car loading and unloading areas for liquid Section 313 water priority chemicals shall be operated to minimize discharges of Section 313 water priority chemicals. Appropriate measures to minimize discharges of Section 313 chemicals may include: the placement and maintenance of drip pans where spillage may occur (such as hose connections, hose reels and filler nozzles) for use when making and breaking hose connections; a strong spill contingency and integrity testing plan; and/or other equivalent measures.

(4) In facility areas where Section 313 water priority chemicals are transferred, processed or otherwise handled. Processing equipment and materials handling equipment shall be operated so as to minimize discharges of Section 313 water priority chemicals. Materials used in piping and equipment shall be compatible with the substances handled. Drainage from process and materials handling areas shall be designed as described in paragraphs (a), (b) and (c) of this section. Additional protection such as covers or guards to prevent wind blowing, spraying or releases from pressure relief vents from causing a discharge of Section 313 water priority chemicals to the drainage system, and overhangs or door skirts to enclose trailer ends at truck loading/unloading docks shall be provided as appropriate. Visual inspections or leak tests shall be provided for overhead piping conveying Section 313 water priority chemicals without secondary containment.

(5) Discharges from areas covered by paragraphs (1), (2), (3) or (4).

(a) Drainage from areas covered by paragraphs (1), (2), (3) or (4) of this part should be restrained by valves or other positive means to prevent the discharge of a spill or other excessive leakage of Section 313 water priority chemicals. Where containment units are employed, such units may be emptied by pumps or ejectors; however, these shall be manually activated.

(b) Flapper-type drain valves shall not be used to drain containment areas. Valves used for the drainage of containment areas should, as far as is practical, be of manual, open-and-closed design.

(c) If facility drainage is not engineered as above, the final discharge of all in-facility storm sewers shall be equipped to be equivalent with a diversion system that could, in the event of an uncontrolled spill of Section 313 water priority chemicals, return the spilled material to the facility.

(d) Records shall be kept of the frequency and estimated volume (in gallons) of discharges from containment areas.

(6) Facility site runoff other than from areas covered by (1), (2), (3) or (4). Other areas of the facility (those not addressed in paragraphs (1), (2), (3) or (4)), from which runoff which may contain Section 313 water priority chemicals or spills of Section 313 water priority chemicals could cause a discharge shall incorporate the necessary drainage or other control features to prevent discharge of spilled or improperly disposed material and ensure the mitigation of pollutants in runoff or leachate.

D. (continued)

(7) Preventive maintenance and housekeeping. All areas of the facility shall be inspected at specific intervals for leaks or conditions that could lead to discharges of Section 313 water priority chemicals or direct contact of storm water with raw materials, intermediate materials, waste materials or products. In particular, facility piping, pumps, storage tanks and bins, pressure vessels, process and material handling equipment, and material bulk storage area shall be examined for any conditions or failures which could cause a discharge. Inspection shall include examination for leaks, wind blowing, corrosion, support or foundation failure, or other forms of deterioration or non-containment. Inspection intervals shall be specified in the plan and shall be based on design and operational experience. Different areas may require different inspection intervals. Where a leak or other condition is discovered which may result in significant releases of Section 313 water priority chemicals to the drainage system, corrective action shall be immediately taken or the unit or process shut down until corrective action can be taken. When a leak or non-containment of a Section 313 water priority chemical has occurred, contaminated soil, debris, or other material must be promptly removed and disposed in accordance with Federal, State, and local requirements and as described in the plan.

(8) Facility security. Facilities shall have the necessary security systems to prevent accidental or intentional entry which could cause a discharge. Security systems described in the plan shall address fencing, lighting, vehicular traffic control, and securing of equipment and buildings.

(9) Training. Facility employees and contractor personnel using the facility shall be trained in and informed of preventive measures at the facility. Employee training shall be conducted at intervals specified in the plan, but not less than once per year, in matters of pollution control laws and regulations, and in the storm water pollution prevention plan and the particular features of the facility and its operation which are designed to minimize discharges of Section 313 water priority chemicals. The plan shall designate a person who is accountable for spill prevention at the facility and who will set up the necessary spill emergency procedures and reporting requirements so that spills and emergency releases of Section 313 water priority chemicals can be isolated and contained before a discharge of a Section 313 water priority chemical can occur. Contractor or temporary personnel shall be informed of facility operation and design features in order to prevent discharges or spills from occurring.

8. Additional Requirements for Salt Storage. Storage piles of salt used for deicing or other commercial or industrial purposes and which generate a storm water discharge associated with industrial activity which is discharged to surface waters of the State shall be enclosed or covered to prevent exposure to precipitation, except for exposure resulting from adding or removing materials from the pile within two years of the effective date of this permit. Piles do not need to be enclosed or covered where storm water from the pile is not discharged to surface waters of the State.

Part V. NUMERIC EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Coal Pile Runoff Effluent Limitations. Any discharge of coal pile runoff is authorized to discharge as of the effective date of this permit and shall comply with the following effluent limitations as expeditiously as practicable, but no later than three years after the effective date of this permit. Coal pile runoff shall not be diluted with storm water or other flow in order to meet these limitations.

Units	Parameter	Daily Minimum	Daily Maximum
mg/l	Total Suspended Solids	-	50
S.U.	pH	6.0	9.0

Any untreated overflow from facilities designed, constructed and operated to treat the volume of coal pile runoff which is associated with 10 year, 24-hour rainfall event shall not be subject to the limitation for Total Suspended Solids. It is the permittee's responsibility to demonstrate to the Ohio EPA that a 10-year, 24-hour rainfall event has occurred and the volume of the overflow to which the Total Suspended Solids effluent limitation does not apply.

B. Monitoring Requirements. Only the activities described in the following matrix and associated definitions are required to conduct monitoring. The monitoring required in the following matrix shall be conducted annually. Monitoring shall be initiated within twelve months of the effective date of this permit and henceforth on an annual basis, weather conditions permitting. A permittee may, in lieu of annual monitoring, certify that industrial materials are not exposed to storm water; such certification shall be submitted to the Ohio EPA upon request of the Director.

1. MONITORING REQUIREMENTS MATRIX

Reporting Units	Parameter	INDUSTRIAL ACTIVITY CATEGORIES											
		a	b[1,2]	c	d	e	f	g	h	i[2]	j	k	l[1]
mg/l	Oil and Grease		x	x	x	x	x	x	x	x	x	x	x
mg/l	5-day Biochemical Oxygen Demand		x							x		x	
mg/l	Chemical Oxygen Demand		x	x	x	x	x		x	x			x
mg/l	Total Suspended Solids		x		x	x	x	x	x	x	x	x	x
mg/l	Total Kjeldahl Nitrogen			x								x	
mg/l	Phosphorus											x	
S.U.	pH		x	x	x	x	x	x	x	x	x	x	x
TU$_a$	Acute Toxicity												
Hours	Duration of Storm Event		x	x	x	x	x	x	x	x	x	x	x
Inches	Precipitation		x	x	x	x	x	x	x	x	x	x	x
Hours	Duration Between Storm Events*		x	x	x	x	x	x	x	x	x	x	x
Gallons	Volume (est)		x	x	x	x	x	x	x	x	x	x	x
mg/l	Nitrate-Nitrogen												
mg/l	Nitrite-Nitrogen												
µg/l	Lead, Total		x	x					x				
µg/l	Cadmium, Total		x[3]	x									
µg/l	Copper, Total		x[3]				x	x	x		x		
µg/l	Arsenic, Total		x[3]	x			x						
µg/l	Chromium, Total		x[3]	x			x						
mg/l	Ammonia												
µg/l	Magnesium, Total			x									

Part V. NUMERIC EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

B. (continued)

Reporting Units	Parameter	INDUSTRIAL ACTIVITY CATEGORIES											
		a	b[1,2]	c	d	e	f	g	h	i[3]	j	k	l[1]
ug/l	Magnesium, Dissolved			x									
mg/l	Total Dissolved Solids			x									
mg/l	Total Organic Carbon			x									
ug/l	Barium, Total			x									
mg/l	Cyanide, Total			x									
ug/l	Mercury, Total			x									
ug/l	Selenium, Total			x									
ug/l	Silver, Total			x									
ug/l	Pentachlorophenol				x								
ug/l	Nickel, Total							x			x		
ug/l	Zinc, Total							x			x		
#/100ml	Fecal Coliform											x	

* Time between the storm event when sampling is being conducted and the last storm event producing rainfall greater than 0.1 inches.

(1) and any pollutant limited in an effluent guideline or categorical pretreatment standard which the facility is subject.

(2) and the primary ingredient used in the deicing materials used at the site (e.g., ethylene glycol, urea, etc.).

(3) Facilities that are classified as SIC 33 only because they manufacture pure silicon and/or semiconductor grade silicon are not required to monitor for this parameter.

2. Industrial Activity Categories Definitions

a. Section 313 of SARA Title III Facilities. As of the effective date of this permit, facilities with storm water discharges associated with industrial activity that are subject to requirements to report releases into the environment under Section 313 of SARA Title III for chemicals which are classified as 'Section 313 water priority chemicals' are not (as they may have been in a previous permit) required to monitor storm water that is discharged from the facility unless required by paragraphs V.B.2.b through B.2.l.

b. Primary Metal Industries. Facilities with storm water discharges associated with industrial activity classified as Standard Industrial Classification (SIC) 33 (Primary Metal Industry) are required to monitor such storm water that is discharged from the facility.

c. Land Disposal Units/Incinerators/BIFs. Facilities with storm water discharges associated with industrial activity from any active or inactive landfill, land application sites or open dump without a stabilized final cover that has received any industrial wastes from a facility with a Standard Industrial Classification (SIC) of between 20-39 (manufacturing); and incinerators (including Boilers and Industrial Furnaces (BIFs)) that burn hazardous waste and operate under interim status or a permit under Subtitle C of RCRA, are required to monitor such storm water that is discharged from the facility.

d. Wood Treatment Using Chlorophenolic Formulations. Facilities with storm water discharges associated with industrial activity from areas that are used for wood treatment, wood surface application or storage of treated or surface protected wood at any wood preserving or wood surface facilities are required to monitor such storm water that is discharged from the facility.

e. Wood Treatment Using Creosote Formulations. Facilities with storm water discharges associated with industrial activity from areas that are used for wood treatment, wood surface application or storage of treated or surface protected wood at any wood preserving or wood surface facilities are required to monitor such storm water that is discharged from the facility.

B. (continued)

f. Wood Treatment Using Chromium-Arsenic Formulations. Facilities with storm water discharges associated with industrial activity from areas that are used for wood treatment, wood surface application or storage of treated or surface protected wood at any wood preserving or wood surface facilities are required to monitor such storm water that is discharged from the facility.

g. Coal Pile Runoff. Facilities with storm water discharges associated with industrial activity from coal pile runoff are required to monitor such storm water that is discharged from the facility.

h. Battery Reclaimers. Facilities with storm water discharges associated with industrial activity from areas used for storage of lead acid batteries, reclamation products, or waste products, and areas used for lead acid battery reclamation (including material handling activities) at facilities that reclaim lead acid batteries are required to monitor such storm water that is discharged from the facility.

i. Airports. At airports with over 50,000 flight operations per year, facilities with storm water discharges associated with industrial activity from areas where aircraft or airport deicing operations occur (including runways, taxiways, ramps, and dedicated aircraft deicing stations) are required to monitor such storm water that is discharged from the facility.

j. Coal-fired Steam Electric Facilities. Facilities with storm water discharges associated with industrial activity from coal handling sites at coal fired steam electric power generating facilities (other than discharges in whole or in part from coal piles subject to storm water effluent guidelines at 40 CFR 423 - which are not eligible for coverage under this permit) are required to monitor such storm water that is discharged from the facility.

k. Animal Handling / Meat Packing. Facilities with storm water discharges associated with industrial activity from animal handling areas, manure management (or storage) areas, and production waste management (or storage) areas that are exposed to precipitation at meat packing plants, poultry packing plants, and facilities that manufacture animal and marine fats and oils, are required to monitor such storm water that is discharged from the facility.

l. Additional Facilities. Facilities with storm water discharges associated with industrial activity that:

(1) come in contact with storage piles for solid chemicals used as raw materials that are exposed to precipitation at facilities classified as SIC 30 (Rubber and Miscellaneous Plastics Products) or SIC 28 (Chemicals and Allied Products);

(2) are from those areas at automobile junkyards with any of the following: (A) over 250 auto/truck bodies with drivelines (engine, transmission, axles, and wheels), 250 drivelines, or any combination thereof (in whole or in parts) are exposed to storm water; (B) over 500 auto/truck units (bodies with or without drivelines in whole or in parts) are stored exposed to storm water; or (C) over 100 units per year are dismantled and drainage or storage of automotive fluids occurs in areas exposed to storm water;

(3) come into contact with lime storage piles that are exposed to storm water at lime manufacturing facilities;

(4) are from oil handling sites at oil fired steam electric power generating facilities;

(5) are from cement manufacturing facilities and cement kilns (other than discharges in whole or in part from material storage piles subject to storm water effluent guidelines at 40 CFR 411 - which are not eligible for coverage under this permit);

(6) are from ready-mixed concrete facilities; or

(7) are from ship building and repairing facilities;

are required to monitor such storm water discharged from the facility.

B. (continued)

3. Sample Type. Take a minimum of one grab sample from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The grab sample shall be taken during the first thirty minutes of the discharge. If the collection of a grab sample during the first thirty minutes is impracticable, a grab sample can be taken during the first hour of the discharge, and the discharger shall submit with the monitoring report a description of why a grab sample during the first thirty minutes was impracticable.

4. Sampling Waiver. When a discharger is unable to collect samples due to adverse climatic conditions, the discharger must submit in lieu of sampling data a description of why samples could not be collected, including available documentation of the event. Adverse climatic conditions which may prohibit the collection of samples includes weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.).

5. Representative Discharge. When a facility has two or more outfalls that, based on a consideration of features and activities within the area drained by the outfall, the permittee reasonably believes discharge substantially identical effluents, the permittee may test the effluent of one of such outfalls and report that the quantitative data also applies to the substantially identical outfalls. In addition, for each outfall that the permittee believes is representative, an estimate of the size of the drainage area (in square feet) and an estimate of the runoff coefficient of the drainage area (e.g. low (under 40%), medium (40% to 65%) or high (above 65%)) shall be provided.

C. **Toxicity Testing.** Not Required.

D. **Alternative Certification of "Not Present or No Exposure."** You are not subject to the analytical monitoring requirement of this part provided: you make a certification for a given outfall, or on a pollutant-by-pollutant basis in lieu of monitoring required under this part, that material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, industrial machinery or operations, or significant materials from past industrial activity that are located in areas of the facility within the drainage area of the outfall are not presently exposed to storm water and are not expected to be exposed to storm water for the certification period; and your certification is signed in accordance with Attachment VI.G and retained in the SWP3. If you cannot certify for an entire period, you must note the date exposure was eliminated and perform any monitoring required up until that date.

Part VI. OTHER STORM WATER REQUIREMENTS, DEFINITIONS AND AUTHORIZATION

A. Failure to Certify. Any facility that is unable to provide the certification required under paragraph IV.D.3.g.(1) (testing for non-storm water discharges), must notify the Director within 180 days of the effective date of this permit. Such notification shall describe: the procedure of any test conducted for the presence of non-storm water discharges; the results of such test or other relevant observations; potential sources of non-storm water discharges to the storm sewer; and why adequate tests for such storm sewers were not feasible.

B. Signatory Requirements. See Part III.28.

C. Definitions.

"Section 313 water priority chemical" means a chemical or chemical categories which are: 1) are listed at 40 CFR 372.65 pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986, also titled the Emergency Planning and Community Right-to-Know Act of 1986; 2) are present at or above threshold levels at a facility subject to SARA Title III, Section 313 reporting requirements; and 3) that meet at least one of the following criteria: (i) are listed in Appendix D of 40 CFR 122 on either Table II (organic priority pollutants), Table III (certain metals, cyanides, and phenols) or Table V (certain toxic pollutants and hazardous substances); (ii) are listed as a hazardous substance pursuant to section 311(b)(2)(A) of the Act at 40 CFR 116.4; or (iii) are pollutants for which EPA has published acute or chronic water quality criteria.

"Significant materials" includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under section 101(14) of CERCLA; any chemical the facility is required to report pursuant to Section 313 of Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with storm water discharges.

"Significant spills" includes, but is not limited to: releases of oil or hazardous substances in excess of reportable quantities under section 311 of the Clean Water Act (see 40 CFR 110.10 and CFR 117.21) or section 102 of CERCLA (see 40 CFR 302.4).

"Storm Water" means storm water runoff, snow melt runoff, and surface runoff and drainage.

"Definition of Storm Water Associated with Industrial Activity" means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the NPDES program. For the categories of industries identified in subparagraphs (i) through (x) of this subsection, the term includes, but is not limited to, storm water discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters (as defined at 40 CFR 401); sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water. For the categories of industries identified in subparagraph (xi), the term includes only storm water discharges from all areas listed in the previous sentence (except access roads) where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water. For the purposes of this paragraph, material handling activities include the: storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, finished product, by-product or waste product. The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with storm water drained from the above described areas. Industrial facilities (including industrial facilities that are Federally or municipally owned or operated that meet the description of the facilities listed in this paragraph (i)-(xi)) include those facilities designated under 40 CFR 122.26(a)(1)(v). The following categories of facilities are considered to be engaging in "industrial activity" for purposes of this subsection:

(i) Facilities subject to storm water effluent limitations guidelines, new source performance standards, or toxic pollutant effluent standards under 40 CFR Subchapter N (except facilities with toxic pollutant effluent standards which are exempted under category (xi) of this paragraph);

(ii) Facilities classified as Standard Industrial Classifications 24 (except 2434), 26 (except 265 and 267), 28 (except 283 and 285) 29, 311, 32 (except 323), 33, 3441, 373;

C. (continued)

(iii) Facilities classified as Standard Industrial Classifications 10 through 14 (mineral industry) including active or inactive mining operations (except for areas of coal mining operations meeting the definition of a reclamation area under 40 CFR 434.11(l)) and oil and gas exploration, production, processing, or treatment operations, or transmission facilities that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations; inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator;

(iv) Hazardous waste treatment, storage, or disposal facilities, including those that are operating under interim status or a permit under Subtitle C of RCRA;

(v) Landfills, land application sites, and open dumps that have received any industrial wastes (waste that is received from any of the facilities described under this subsection) including those that are subject to regulation under Subtitle D of RCRA;

(vi) Facilities involved in the recycling of materials, including metal scrapyards, battery reclaimers, salvage yards, and automobile junkyards, including but not limited to those classified as Standard Industrial Classification 5015 and 5093;

(vii) Steam electric power generating facilities, including coal handling sites;

(viii) Transportation facilities classified as Standard Industrial Classifications 40, 41, 42 (except 4221-25), 43, 44, 45, and 5171 which have vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. Only those portions of the facility that are either involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, airport deicing operations, or which are otherwise identified under paragraphs (i)-(vii) or (ix)-(xi) of this subsection are associated with industrial activity;

(ix) Treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage treatment, recycling, and reclamation of municipal or domestic sewage, including land dedicated to the disposal of sewage sludge that are located within the confines of the facility, with a design flow of 1.0 mgd or more, or required to have an approved pretreatment program under 40 CFR 403. Not included are farm lands, domestic gardens or lands used for sludge management where sludge is beneficially reused and which are not physically located in the confines of the facility, or areas that are in compliance with 40 CFR 503;

(x) Construction activity - This category of industrial activity is not regulated under this permit.

(xi) Facilities under Standard Industrial Classifications 20, 21, 22, 23, 2434, 25, 265, 267, 27, 283, 285, 30, 31 (except 311), 34 (except 3441), 35, 36, 37 (except 373), 38, 39, 4221-25, (and which are not otherwise included within categories (ii)-(x)).

"SWPPP" means storm water pollution prevention plan to be completed as a condition of this permit (see Part IV of this permit).

"Time-weighted composite" means a composite sample consisting of a mixture of equal volume aliquots collected at a constant time interval.

"Waste pile" means any non-containerized accumulation of solid, non-flowing waste that is used for treatment or storage.

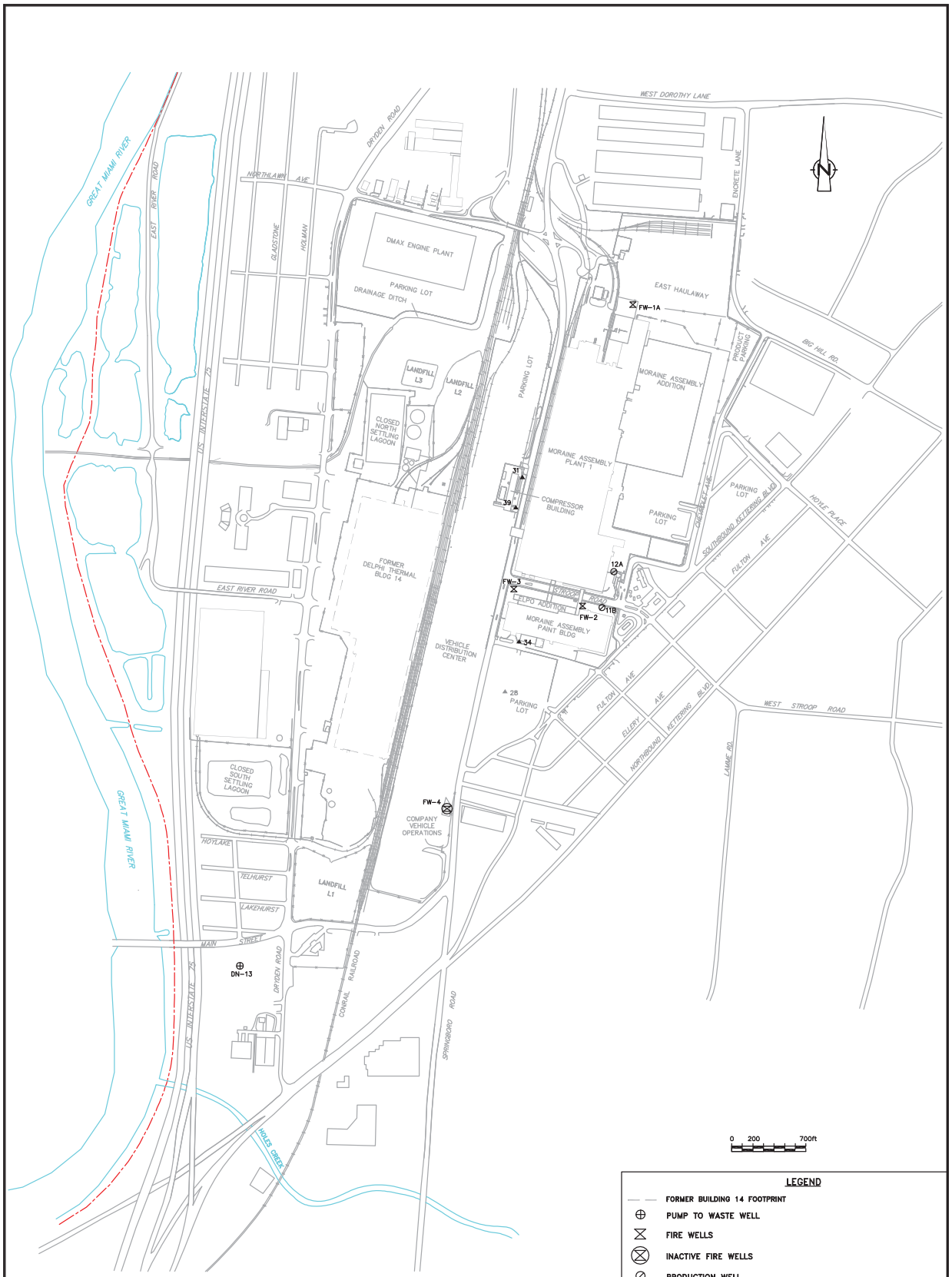
"10-year, 24-hour precipitation event" means the maximum 24-hour precipitation event with a probable reoccurrence interval of once in 10 years. This information is available in "Weather Bureau Technical Paper No. 40,", May 1961 and "NOAA Atlas 2," 1973 for the 11 Western States, and may be obtained from the National Climatic Center of the Environmental Data Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce.

"Bypass" means the intentional diversion of waste streams from any portion of the treatment facility.

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

APPENDIX H

2008 Site-Wide Groundwater Monitoring Report



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ARCADIS
284 Cramer Creek Court
Dublin, OH 43017
Tel: 614/764-2310 Fax: 614/764-1270

FIRE AND PRODUCTION WELLS
GENERAL MOTORS CORPORATION
MORAINE, OHIO

DATE	PROJECT MANAGER	DRAWING NAME
8/8/2007	N. GILLOTTI	CRA/07/OH29407-04
DRAWN	LEAD DESIGN PROF.	CHECKED
R. SMITH	J. REID	T. FORTNER
PROJECT NUMBER		FIGURE NUMBER
OH000294.0010.003		1

BOW ENVIRONMENTAL SOLUTIONS INC.

February 27, 2009

Mirtha Cápiro
U.S. Environmental Protection Agency
Region 5
77 W. Jackson Blvd. (DE-9J)
Chicago, IL 60604

Re: General Motors Corporation-Former Delphi Harrison Thermal Systems Facility
Moraine, Ohio
Site-Wide Groundwater Monitoring Report for 2008

Dear Ms. Cápiro:

BOW Environmental Solutions, Inc. is pleased to submit the Site-Wide Groundwater Monitoring Report for 2008 on behalf of General Motors Corporation (GM). This report presents the groundwater investigation activities conducted to assess the performance of the current corrective measures completed in 2008 at the following GM facilities located in Moraine, Ohio: former Delphi Harrison Thermal Systems Facility, former GM Powertrain Group, Moraine Engine and GM Truck Group Moraine Assembly Plant.

Please call 937-478-8221, if you have any questions.

Sincerely,

Pamela L. Barnett

Pamela L. Barnett, PG
Project Manager
BOW Environmental Solutions, Inc. on behalf of GM

cc: H. O'Connell, Ohio EPA
V. Orr, Ohio EPA

Enclosure

ARCADIS
Infrastructure, environment, buildings

DRAFT

Site-Wide Groundwater Monitoring Report for 2008

General Motors Corporation Facilities:

Former Delphi Harrison Thermal Systems Moraine Plant
Former General Motors Powertrain Group, Moraine Engine Plant
Former General Motors Truck Group, Moraine Assembly Plant

Moraine, Ohio

February 27, 2009

Imagine the result

ARCADIS

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1. Introduction

This Site-Wide Groundwater Monitoring Report presents the groundwater monitoring activities completed in 2008 at the following General Motors Corporation (GM) facilities located in Moraine, Ohio (Figure 1): former Delphi Harrison Thermal Systems Moraine Plant (former Delphi Thermal Moraine [leased to Delphi Corporation between January 1999 and September 2003]), former General Motors Powertrain Group, Moraine Engine Plant (former Moraine Engine), and former General Motors Truck Group, Moraine Assembly Plant (former Moraine Assembly). A multi-phased Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) was completed for these facilities and approved by the United States Environmental Protection Agency (U.S. EPA) in June 2000 (ARCADIS Geraghty & Miller, Inc. 2000a and b, ENVIRON 2000a and b). The RFI identified that the primary source area of volatile organic compounds (VOCs) in shallow groundwater at the three facilities is located at the Area of Interest (AOI) 7 - Former Oil House Area, in the northern portion of the former Moraine Engine facility (Figure 2). The Baseline Risk Assessment (BRA) concluded that, under current conditions, there was no unacceptable risk associated with constituents detected in soil/waste at the AOIs and Solid Waste Management Units (SWMUs) investigated in the RFI. However, the BRA also concluded that constituents detected in groundwater at the Former Oil House Area may migrate to the extent that reasonably expected future uses of groundwater might be affected.

The focus of the Interim Measures/Corrective Measures (IM/CM) Report (ARCADIS Geraghty & Miller, Inc. 2001) was a site-wide remedy that addressed the source of the VOCs in groundwater and the downgradient plume based on the conceptual site model at that time. Subsequent to submittal of the IM/CM Report, implementation of the corrective measures proposed in the IM/CM Report has been conducted on an ongoing basis by GM. The corrective measures proposed in the IM/CM Report incorporated the Former Oil House Area corrective measures (in-situ remediation of groundwater in the Oil House Area and downgradient of the Oil House Area, Figure 2); the capture zone corrective measures (hydraulic control with a pump and treat system for the upper aquifer and hydraulic control for the lower aquifer, Figure 2); institutional actions (the site will remain industrial and groundwater use will be restricted to non-potable purposes); and a site-wide groundwater monitoring program.

The conceptual site model previously developed for the Site was revised using the additional data collected during the supplemental investigations since submittal of the IM/CM Report. The revised conceptual site model was presented in the draft Corrective Measures Proposal (CMP) (ARCADIS, Inc. 2008a) and was used to support

the updated risk analysis and corrective measures evaluation. The proposed final site-wide corrective measures for the Moraine Facilities combines source treatment and containment with downgradient hydraulic control of groundwater and appropriate engineering and institutional controls to prevent potentially significant exposures during the implementation of these corrective measures. The specific elements of the proposed final site-wide corrective measures presented in the CMP are:

1). Upper Aquifer Reactive Zone Corrective Measures: operation of in-situ remediation barriers in the upper aquifer downgradient and sidegradient of the Former Oil House Area and downgradient of the Moraine Assembly Process Waste Collection Systems (RZ-1, proposed relocated RZ-2, RZ-3, RZ-4) for treatment.

2). Upper Aquifer Capture Zone Corrective Measures: operation of an upper aquifer recovery well at the downgradient property boundary (TW-2) for hydraulic control.

3). Lower Aquifer Corrective Measures: operation of two lower aquifer recovery wells, one located downgradient of wells GM-68D/GM-75D for lower aquifer source containment and one downgradient of the Site property boundary (DN-13) for hydraulic control.

4). Corrective Measures Groundwater Monitoring: completion of monitoring groundwater quality associated with land-based units, performance monitoring for corrective measures, and the point of compliance wells.

5). Engineering/Institutional Controls: implementation of land and groundwater use restrictions via environmental covenants for the entire facility.

This report addresses several components of the proposed final remedy, including the site-wide groundwater monitoring program and the performance of the ongoing corrective measures (Table 1). In addition, analytical results and water level measurements from the Winter/Spring 2008 supplemental groundwater investigation that were presented in the CMP are incorporated by reference in this report. All groundwater monitoring for the facilities was conducted in accordance with the approved Site-Wide Groundwater Monitoring Plan (ARCADIS G&M, Inc. 2002) and as modified in the Site-Wide Groundwater Monitoring Report for 2007 (ARCADIS, Inc. 2008b).

1.1 Site Description

The GM site has been used for industrial purposes since the property was acquired in the mid-1920's. The former Moraine Engine and former Moraine Assembly facilities occupy approximately 300 acres, while the adjacent former Delphi Thermal Moraine facility occupies approximately 165 acres. The facilities are located in the City of Moraine in Montgomery County in southwestern Ohio. A small portion of the Moraine Assembly facility is located in the City of Kettering. Figure 1 presents the location of each facility, property boundaries, and site features.

Frigidaire (a former division of GM) produced appliances from the late 1920's until 1979. GM announced the shut down of all Frigidaire operations in January 1979. During 1980 and 1981, the majority of the former Frigidaire Plant 2 was converted to the former Moraine Engine facility, and the former Frigidaire Plant 3 and the northeast corner of former Frigidaire Plant 2 were converted to the Moraine Assembly facility. Since 1981, former Moraine Engine operations have included the machining, painting (this operation was discontinued in September 1995), and assembly of diesel truck engines. Former Moraine Engine operations ceased in the fall of 2000. The plant building has undergone decommissioning and demolition, and the majority of this site has been covered with an asphalt parking surface. GM operated a regional haulaway at the location of the former Moraine Engine plant, which is now referred to as the Vehicle Distribution Center. Operations at the regional haulaway ceased in December 2008.

Since 1981, the former Moraine Assembly operations included the manufacture, assembly, and painting of small trucks and mid-size sport utility vehicles. Operations at the former Moraine Assembly ceased in December 2008. The Moraine Assembly building is currently undergoing decommissioning activities.

Former Delphi Thermal Moraine's major operations, which began in 1941, included the machining and assembly of automotive air conditioning compressors, accumulator dehydrators, and miscellaneous air conditioning valves. Delphi Corporation leased the property from GM from January 1999 through October 2003. Operations at the former Delphi Thermal Moraine Building 14 ceased in September 2003 and the building was decommissioned. As of October 1, 2003, management of the property has reverted to GM and GM remains the property owner. Demolition of Building 14 was completed in 2005.

1.2 Groundwater Monitoring Program Objectives

The objectives of groundwater monitoring at the GM Moraine Facilities are as follows:

1. Monitor groundwater quality upgradient and downgradient of the closed North and South Settling Lagoons;

2. Monitor groundwater quality upgradient and downgradient of Landfills L1, L2, and L3;

3. Monitor the effectiveness of and the need for current groundwater capture systems in the upper and lower aquifers at the southern, downgradient property boundary;

4. Monitor the effectiveness of corrective measures activities in In-Situ Reactive Zones (RZ) RZ-1, RZ-3, and RZ-4, to address VOCs related to the Former Oil House Area; and

5. Monitor an appropriate list of wells once corrective measures objectives have been met, as defined in the CMP (ARCADIS, Inc. 2008a), to verify that these objectives continue to be met without the active measures.

1.3 Baseline Groundwater Monitoring Program Sampling Event

To provide a basis for evaluating the performance of the Corrective Measures, a comprehensive site-wide groundwater sampling event for VOCs was conducted in September 1999 to establish a baseline data set. The next site-wide groundwater sampling event was completed between September and October 2000. During the 2000 sampling event, at the request of U.S. EPA, groundwater samples were analyzed for Appendix IX VOCs by Method 8260 and cis-1,2-dichloroethene (cis-1,2-DCE), semi-volatile organic compounds (SVOCs) and metals to verify that current groundwater conditions were consistent with previous site conditions. The results of this one-time sampling event confirmed that VOCs were the only constituents of potential concern in groundwater at the site. SVOCs were not detected and metals were not detected above levels of concern during the 2000 sampling event. The analytical results from the 1999 baseline event and the 2000 site-wide event are presented in the Draft Interim Measures/Corrective Measures Report (ARCADIS Geraghty & Miller, Inc. 2001).

2. Groundwater Monitoring Summary

In accordance with the Site-Wide Groundwater Monitoring Plan (ARCADIS G&M, Inc. 2002), annual groundwater sampling was conducted in 2001 through 2007. The analytical results from these sampling events are presented in the Site-Wide Groundwater Monitoring Report for 2007 (ARCADIS, Inc. 2008b). The 1999 baseline through 2007 groundwater quality data for the site-specific VOC parameter list are reproduced in tables in Appendix A of this report to support the evaluation of the on-going remedial activities.

The latest groundwater monitoring was conducted in fall 2008 (September, October, and November). Additional events were conducted in 2008 in support of the CMP development. These events occurred in February, March and April 2008 and included newly installed wells, water level measurements, upper aquifer potentiometric surface mapping, lower aquifer potentiometric surface mapping, and groundwater gradient calculations. The data from these events are presented in the draft CMP (ARCADIS, Inc. 2008a).

All data generated as part of the monitoring events in 2008 are used to evaluate groundwater quality upgradient and downgradient of the closed lagoons, performance of the IRZs and the performance of the capture zones (as discussed in Sections 3.2 and 4.0). A summary of the activities and methodologies that were completed in September through November are presented in Section 2.1 and the groundwater monitoring results are presented in Section 2.2.

2.1 Groundwater Monitoring Activities/Methodologies

In order to meet the objectives of the groundwater monitoring program, the scope of work presented in Section 3.0 of the Site-Wide Groundwater Monitoring Plan and Section 5.0 of the Site-Wide Groundwater Monitoring Report for 2007, was implemented during 2008. The following sections summarize the collection of the annual groundwater elevation measurements, the monthly groundwater monitoring, and the annual site-wide groundwater monitoring.

2.1.1 Groundwater Elevation Monitoring

Groundwater levels were measured on November 17 and 18, 2008. The measured wells included all on-site and off-site monitoring wells at the three facilities as shown on Figure 3 (upper aquifer wells) and Figure 4 (lower aquifer wells). Groundwater levels

were also measured in Moraine Assembly production wells (where accessible), Moraine Assembly fire wells, two lower aquifer wells (MT596M and MT576M) located east of the Moraine Assembly and the former Moraine Engine plants, four City of Moraine upper aquifer wells located west of the Great Miami River, and four stream gauges along the Great Miami River and two stream gauges along Holes Creek. One lower aquifer well (MT-69) located south of the Dryden Road North Wellfield that is normally measured was not due to well damage. Based on field observations including sounded total depths, the well screen for MT-69 has collapsed and can no longer provide an accurate groundwater level. This Montgomery County well was installed with a red brass screen, which is susceptible to deterioration. Groundwater levels were measured in accordance with procedures defined in the RFI Sampling and Analysis Plan, Standard Operating Procedure (SOP) #4 (Geraghty & Miller, Inc. 1997a) and recorded on a field data sheet.

2.1.2 Monthly Groundwater Recovery System Monitoring

The National Pollution Discharge Elimination System (NPDES) Permit issued to GM for the groundwater recovery and treatment system requires periodic monitoring and reporting of water quality in the effluent stream and pumping flow rates. Samples of groundwater being pumped through the air stripping treatment tower were collected and analyzed monthly for the parameters required in the permit. GM's air permit for the air stripper tower expired on June 20, 2003 and the Regional Air Pollution Control Agency (RAPCA) approved renewal of this permit through June 20, 2008 as a registration status permit due to the negligible organic compound emissions from the tower. GM submitted a request on June 19, 2008 to RAPCA for recognition of P001 as a de minimis source of air emissions and the removal of the TW-2 Recovery Well Air Stripping Tower (P001) permit from RAPCA's records. In a letter received by GM on June 27, 2008, RAPCA approved the stripper tower to be listed as de minimis air contaminant source and exempt from air permitting requirements. RAPCA stated in the approval letter that RAPCA will not process the submitted PTO application and will request to the Ohio EPA to withdraw P001 and Permit-To-Install 08-3161 issued on October 26, 1994. Table 2 summarizes the VOC results for the monthly air stripper tower influent stream during 2008. The monthly air stripper influent data are also presented in Figure 5, for the period from the initial start-up in January 1996 through December 2008. Table 3 summarizes the VOC results for the monthly air stripper tower effluent stream during 2008. Table 4 summarizes the VOC results for the monthly DN-13 sampling during 2008. All analyses were conducted in accordance with methods specified in the Final Interim Measures Design Plans (Geraghty & Miller, Inc. 1995).

2.1.3 Site-Wide Groundwater Monitoring

In accordance with the Site-Wide Groundwater Monitoring Plan (ARCADIS G&M, Inc. 2002), monitoring wells were sampled in September and October 2008. A summary of the 2008 sampling events, including number of wells and analytical parameters are presented on Table 1. Well construction and survey data for the wells used in the site-wide program are presented in Table 5.

Groundwater samples were collected from specified wells using low-flow or bailing sampling procedures. Field parameters including pH, specific conductance, temperature, oxidation/reduction potential, and dissolved oxygen were measured during purging of each well using a multi-parameter flow-through cell. SOP #21 was followed when sampling monitoring wells (ARCADIS G&M, Inc., 2002). One groundwater sample from well DN-13 was collected through the sampling valve according to SOP #28 (ARCADIS G&M, Inc., 2002).

All groundwater samples were collected and managed under standard chain-of-custody procedures, and validated in accordance with the approved Supplemental RFI Work Plan and the RFI Quality Assurance Project Plan (Geraghty & Miller, Inc., 1997a). The Supplemental RFI Quality Assurance Project Plan will be followed until the Draft Quality Assurance Project Plan for RCRA Corrective Action is approved by the U.S. EPA (draft report was submitted to the U.S. EPA on December 23, 2003). All pertinent field data were recorded electronically. A field parameter data table is presented in Appendix B. Analytical results are presented and discussed in Section 2.2.3.

2.1.4 Laboratory Analytical Methods

Groundwater samples were analyzed for the site-specific VOC parameter list using SW 846 Method 8260. This parameter list was developed after evaluating data from the September 1999 baseline groundwater sampling event and the one-time sampling event conducted in September/October 2000 (which included analysis of Appendix IX VOCs and cis-1,2-DCE, SVOCs, and metals), conducted as part of the Former Oil House Area corrective measures. The site-specific VOC parameter list is: benzene, 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), cis-1,2-DCE, trans-1,2-dichloroethene (trans-1,2-DCE), ethylbenzene, tetrachloroethene (PCE), toluene, 1,1,1-trichloroethane (1,1,1-TCA), trichloroethene (TCE), vinyl chloride, and xylenes. Select groundwater samples from upper aquifer monitoring wells were also analyzed for the following biogeochemical indicator parameters: manganese (total and

dissolved), iron (total and dissolved), sulfate, sulfide, total organic carbon (TOC), chlorides, light hydrocarbons (ethane and ethene), and methane. Table 1 lists specific field, laboratory, biogeochemical indicator parameters, and field and laboratory analytical methods. All samples were submitted to TestAmerica in North Canton, Ohio or Microseeps in Pittsburgh, Pennsylvania. Only ethene, ethane, and methane samples were submitted to and analyzed by Microseeps. For the 2008 groundwater event additional parameters were added to specific wells to support the CMP supplemental risk assessment for Landfill L2 and the Waste Pile Staging Area. HR-3 were sampled and analyzed for site-specific VOCs and both GM-19S and GM-35 were sampled and analyzed in addition to the site-wide program list (Table 1) for benzo(a)anthracene, benzo(b)fluoranthene, antimony, cadmium, chromium, and total PCBs. The methods are presented in Appendix C for these additional parameters along with the complete set of groundwater results, including quality assurance/quality control (QA/QC) samples for the entire event.

2.2 Groundwater Monitoring Program Results

2.2.1 Groundwater Elevation Monitoring

As part of the site-wide assessment of current groundwater conditions, groundwater levels were measured to determine groundwater flow directions in the upper and lower aquifers and to determine vertical gradients between the two aquifers. Three groundwater elevation monitoring events were completed in 2008, two were completed to support the CMP on March 5-6 and April 24-25, 2008 (ARCADIS, Inc. 2008a) and one was completed on November 17-18, 2008 as part of the site-wide groundwater monitoring. The March and April 2008 groundwater level measurement data is presented on Tables 2 and 3, respectively, of the CMP (ARCADIS, Inc. 2008a) and the November 2008 groundwater level measurement event data is presented on Table 6.

2.2.1.1 Upper Aquifer

The groundwater level data collected during preparation of the CMP (ARCADIS, Inc. 2008a) resulted in an improved resolution of the groundwater flow conditions near the Great Miami River. The upper aquifer potentiometric surface for March 2008 and April 2008 are shown on Figures 6 and 7, respectively, of the CMP (ARCADIS, Inc. 2008a). A comparison between the March and April 2008 water levels indicate a significant difference in upper aquifer groundwater flow. Precipitation levels were higher than normal before and during the March water level measurement event (ARCADIS, Inc. 2008a). Groundwater level data for this event indicates flow is away from the Great

Miami River southwest of the Site and stream levels at high stage. Therefore it was determined that this section of the Great Miami River was a losing stream during the March 2008 event. The upper aquifer potentiometric surface on April 24-25 (Figure 7 of the CMP) indicates that flow in the upper aquifer is generally from the northeast to southwest on- and off-site and corresponds to long term trends. As stated in the CMP, upstream of the confluence of the Great Miami River and Holes Creek, the updated groundwater flow model predicts an east/southeasterly component of flow from the Great Miami River towards the Site (i.e., immediately adjacent to the Great Miami River), indicating that the upper aquifer is gaining water from the Great Miami River (ARCADIS, Inc. 2008a). Further discussion of the March and April 2008 events, including hydraulic gradients are located in the CMP (ARCADIS, Inc. 2008a).

The upper aquifer potentiometric surface on November 17-18, 2008 (Figure 6) show that flow in the upper aquifer is generally from northeast to southwest. TW-2 was measured during the November event and was operational. The November measurements show that the TW-2 water level was lower than the water levels in nearby wells (GM-16, GM-17, 4S, and WSU-24) indicating capture in the vicinity of recovery well. A comparison of the November 2008 groundwater flow conditions to the October 2007 groundwater flow map for the upper aquifer (ARCADIS, Inc. 2008b) indicates a similar gradient and flow direction across the site in 2008 and 2007. The 2008 upper aquifer flow patterns are generally consistent with groundwater flow conditions since TW-2 operation was initiated in January 1996.

Table 7 presents the 2008 monthly precipitation totals, recorded by the National Weather Service, and the deviation from calculated average amounts. The 2008 annual total precipitation recorded at the Dayton, Ohio monitoring station was 45.25 inches, which was 6.90 inches above average. Precipitation for the months of February, March, May, June, July, and December was above normal, while precipitation for all other months was below normal.

The average hydraulic gradient of the upper aquifer, calculated from site-wide groundwater level measurements in November 2008 was 0.0005 foot/foot (ft/ft). The groundwater flow velocity for the upper aquifer was calculated using the following equation:

$$V_w = Ki/N_e$$

where

V_w = groundwater flow velocity (feet per day [ft/day])

K = hydraulic conductivity (ft/day)

i = hydraulic gradient (ft/ft)

N_e = effective porosity

Hydraulic characteristics of the upper aquifer were determined by evaluation of data from pumping tests conducted in 1985 and in 1989. The median hydraulic conductivity value estimated from pumping test data was 1,650 ft/day, and effective porosity was assumed to be 0.3 to 0.5. Using hydraulic gradients for November 2008, groundwater flow velocities in the upper aquifer ranged from 1.76 ft/day to 2.93 ft/day. Assuming the most extreme condition (i.e., no retardation or retardation factor [R_d] equal to 0), the rate of VOC migration could equal the rate of groundwater flow. However, soil-VOC interaction does occur, and, therefore, the actual VOC migration rates are slower than that of groundwater flow. Most of the VOCs detected in the upper aquifer at the GM facilities are likely to have a R_d ranging from 2 to 10 (Walton 1985), so the rate of migration of the VOCs in the upper aquifer in November 2008 could be as low as 0.18 ft/day.

During the Supplemental RFI, conducted in August 1998 at the Former Oil House Area, slug tests were conducted on three monitor wells (GM-23, GM-27 and GM-28) to assess aquifer characteristics in this area of the site. These slug tests determined that hydraulic conductivity in the upper aquifer in this area is lower than the hydraulic conductivity calculated on a site-wide basis. Hydraulic conductivity of the portion of the aquifer above the upper clay till at the Former Oil House Area was determined to be approximately 43 ft/day. Below the upper clay till, the hydraulic conductivity was determined to be 54 ft/day. Using hydraulic gradients from November 2008, the groundwater flow velocities in the upper aquifer above the Former Oil House Area ranged from 0.043 ft/day to 0.072 ft/day.

2.2.1.2 Lower Aquifer

The lower aquifer potentiometric surface for November 2008 (Figure 7) shows groundwater flow in the lower aquifer to be generally from northeast to southwest. County Well DN-13, located south of the former Delphi Thermal facility in the Dryden Road North Wellfield, was in operation during groundwater level measurements and had approximately 61 feet of drawdown. This localized cone of depression around DN-13 is shown on Figure 7; however, individual contours are not shown. Production

Wells 11B and 12A were not operating during the November water level measurement event.

No significant change in the overall flow conditions across the northern to central portion of the site were noted during the April and November2008 lower aquifer groundwater elevation data in comparison with the October 2007 groundwater flow map. However, during the March 2008 groundwater level measurement event production well 12A was operating. A cone of depression centered around 12A was evident during this event and groundwater flow in general was more from the north to the south than was evident in the April and November events (ARCADIS, Inc. 2008a). Potentiometric surface for the lower aquifer during the March and April 2008 events are on Figures 8 and 9, respectively of the CMP (ARCADIS, Inc. 2008a). Further discussion of the March and April 2008 events, including hydraulic gradients is located in the CMP (ARCADIS, Inc. 2008a).

The average hydraulic gradients of the potentiometric surface in the lower aquifer, calculated from groundwater level measurements November 2008 were 0.0007 ft/ft. Using a hydraulic conductivity of 400 ft/day, assuming a porosity of 0.3 to 0.5, and using the equation presented earlier ($V_w = Ki/N_e$), groundwater flow velocity in the lower aquifer for November 2008 ranged between 0.58 ft/day and 0.97 ft/day. As discussed above, most of the VOCs detected in the lower aquifer groundwater at the GM facilities are likely to have an R_d ranging from 2 to 10 (Walton 1985), so the rate of migration of the VOCs in the lower aquifer in November could be as low as 0.06 ft/day.

2.2.2 Vertical Gradients

The groundwater level measurements collected on November 17 and 18, 2008 were used to determine the direction and magnitude of vertical gradients between the upper and lower aquifers (Table 8). The vertical gradients were calculated using the following equation:

$$i = h_2 - h_1/d$$

where

h_2 = hydraulic head of lower well A (ft)

h_1 = hydraulic head of upper well B (ft)

d = distance between midpoint of screen for well A and B (ft)

i = vertical gradient

The magnitude and direction of vertical gradients indicate whether the potential exists for groundwater to move from one aquifer to another through a confining unit, and which direction it may move (positive for an upward gradient and negative for a downward gradient). Calculated vertical gradients ranged from 0.0050 ft/ft upward (GM-8/GM-7R) to 0.0267 ft/ft downward (GM-16/GM-15).

At the northern (upgradient) end of the site, a slight downward vertical gradient was present in upper/lower monitoring well pair HR- 9/HR-10 and no vertical gradient was present in upper/lower monitoring well pair HR-11/HR-12.

The well pairs immediately downgradient (south) of the closed North Settling Lagoon (W-3-N/HR-15 and W-4-N/HR-14) had downward vertical gradients. The vertical gradient at well pair HR-3/HR-13 (side gradient to the closed North Settling Lagoon) was upward. Well pairs in the vicinity of Landfill L1 (GM-16/GM-15, GM-2/GM-1, GM-18/GM-13, GM-17/GM-11, GM-6/GM-3, 4S/GM-5) all had downward vertical gradients, with the exception of well pair GM-8/GM-7R which had an upward gradient (since June 1995 the vertical gradient in this well pair was upward 50 percent of the time and downward 50 percent of the time). The downward vertical gradient at the other five well pairs near Landfill L1 was likely due to the proximity of these well pairs to lower aquifer extraction well DN-13. Downgradient of the site, the vertical gradient was downward for well pair GM-10/GM-9. A vertical gradient was not calculated at well pair GM-26/MT-69 due to MT-69 well damage.

At the Former Oil House Area, groundwater level measurements in upper aquifer well pair GM-23/GM-27 (above the upper clay till/beneath the upper clay till) were used to evaluate the vertical gradient in the upper aquifer. A downward vertical gradient was present in the upper aquifer across the upper clay till present at the Former Oil House Area. Well pair GM-23/GM-39 was used to evaluate the vertical gradient in the lower aquifer compared to the upper aquifer. A downward vertical gradient was present across both the upper clay till and regional clay till.

Downgradient of the Site near Holes Creek, till is not present; and upon evaluation of vertical gradients in this area in well pairs GM-65S/GM-65D and GM-55/GM-56 show a downward vertical gradient.

2.2.3 Groundwater Monitoring Analytical Results

As described in Section 2.1.4, groundwater was evaluated on a site-wide basis for the presence of the site-specific list of VOCs. Tables 9 through 12 present the VOC results upgradient and downgradient of the RZs. Tables 13 through 16 present the bioattenuation parameter results upgradient and downgradient of the RZs. These results are discussed in Section 3.2.1 as they pertain to the performance of the RZ corrective measures. Table 17 presents the VOC results for the site-wide groundwater sampling event completed in September-October 2008 for the upper and lower aquifer wells. Data for 1999 through 2008 groundwater sampling events are presented on Figures 8 and 9 for the upper and lower aquifer wells respectively. The groundwater results are presented in this section and evaluated based on groundwater quality upgradient of the site, on site, and downgradient of the site. The complete set of groundwater results, including QA/QC samples, is presented in Appendix C. The additional parameter results (SVOCs, metals, PCBs) selected for the 2008 sampling are also presented in Appendix C. The 1999 baseline sampling data, used as a point of comparison for the September-October 2008 groundwater results, are presented in Appendix A.

2.2.3.1 Upper Aquifer Groundwater Quality

The following sections include a discussion of the groundwater quality in upper aquifer monitoring wells shown on Figure 3 that are part of the site-wide program.

2.2.3.1.1 Upgradient Groundwater Quality

In 2008, two upgradient upper aquifer monitoring wells exhibited the presence of VOCs:

- HR-9, total VOCs were 114.19 micrograms per liter (ug/L) in 2008, compared to a 1999 baseline total VOC concentration of 116 ug/L.

- HR-11, total VOCs were 5.2 ug/L in 2008, compared to a 1999 baseline total VOC concentration of 17.3 ug/L.

Two key observations can be made relative to upgradient groundwater quality. First, the detected VOCs are consistent with historical values for upgradient groundwater quality as indicated in the Description of Current Conditions (DOCC) (Geraghty & Miller, Inc. 1991 and 1997b) and RFI Reports (ARCADIS Geraghty & Miller, Inc. 2000a

and 2000b) for the GM Moraine facilities (including the 1999 baseline sampling results). This confirms that upgradient sources of VOCs not related to GM operations continue to exist in the local area. The highest VOC concentrations upgradient to the site are 1,1,1-TCA, TCE and the breakdown products 1,1-DCA, cis-1,2-DCE, and trans-1,2-DCE, suggesting that the upgradient releases have been migrating long enough to allow for degradation of the chlorinated VOCs 1,1,1-TCA and PCE and/or TCE to occur. Second, the types of VOCs detected upgradient are similar to those detected further downgradient beneath the site, indicating that total VOC concentrations detected beneath the site include both upgradient (off-site) and on-site contributions.

2.2.3.1.2 On-Site Groundwater Quality

To evaluate the primary source area of VOCs at the site (Former Oil House Area), five upper aquifer monitoring wells (GM-23, GM-27, GM-28, GM-29, and GM-30) were sampled in 2008. With the exception of GM-27, all of these wells are screened above the upper clay till present at the Former Oil House Area.

- GM-30 (northern most Former Oil House Area well, located next to the former tank farm) - total VOC concentrations decreased from 37,350 ug/L in the 1999 baseline to 981 ug/L in 2008. This well predominantly contained ethylbenzene, xylenes, and 1,1-DCA.

- GM-23 (located next to the Former Oil House building) - total VOC concentrations decreased from 17,853.3 ug/L in the 1999 baseline sampling to 4,229 ug/L in 2008. TCE and PCE concentrations have decreased while concentrations for daughter products cis-1,2-DCE and vinyl chloride have increased. This well predominantly contained cis-1,2-DCE and vinyl chloride. This well is upgradient to the original RZ-1 barrier and is within the zone of influence of carbon introductions conducted in the Former Oil House Area which results in solubilizing previously adsorbed VOCs to be treated by RZ-1.

- GM-27 (paired with GM-23 and screened below the upper clay till) - exhibited a decrease of total VOCs between the 1999 baseline (145.7 ug/L) and 2008 (71.85 ug/L). GM-27 predominantly contains TCE, cis-1,2-DCE, and 1,1-DCA. This well is upgradient to RZ-1.

- GM-29 (serves as an upgradient well for RZ-1) - total VOC concentrations increased from 1,256.3 ug/L in the 1999 baseline to 1,406 ug/L in 2008 primarily

due to an increase in daughter products (cis-1,2-DCE and vinyl chloride); however, TCE concentrations have decreased since the baseline sampling event. This well is upgradient to the original RZ-1 barrier and is within the zone of influence of carbon introductions conducted in the Former Oil House Area after RZ-1 was expanded in 2002, which results in solubilizing previously adsorbed VOCs to be treated by RZ-1.

- GM-28 (serves as the downgradient well for RZ-1; the VOC and bioattenuation parameter results for this well are discussed in greater detail in Section 3.3) - total VOC concentrations decreased from 1,292.4 ug/L in 1999 to 16.9 ug/L in 2008.

Additional wells installed southeast of the Former Oil House Area during the supplemental groundwater investigation (GM-59, GM-60, GM-75S), also contain PCE, TCE, and cis-1,2-DCE. Wells GM-59/GM-60, located in the Vehicle Distribution Center, are paired where GM-59 is screened at a shallow depth in the upper aquifer and GM-60 is screened deeper at the regional clay till. Well GM-75S is located in the southwest corner of the former Moraine Assembly and is screened at the regional clay till. In 2008, PCE was detected in wells GM-59, GM-60, GM-75S at concentrations of 750 ug/L, 900 ug/L, and 690 ug/L, respectively. In 2008, TCE was detected in wells GM-59, GM-60, GM-75S at concentrations of 750 ug/L, 920 ug/L, and 250 ug/L, respectively. This area of the site is currently not addressed by corrective measures but the proposed final corrective measures discussed in the 2008 draft CMP do include a remedy to address these concentrations.

Of the wells identified as downgradient from the Former Oil House Area in the southwestern and southerly directions toward the property boundary, the total VOC concentrations have decreased over time, as discussed below.

- ME-6, total VOCs were 944.9 ug/L in the 1999 baseline sampling event, decreasing to 37.55 ug/L in 2008.

- ME-3, total VOCs were 159.7 ug/L in the 1999 baseline sampling event, decreasing to 19 ug/L in 2008.

- GM-33, total VOCs were 292.1 ug/L in 2001 (this well was installed after the 1999 baseline sampling event), decreasing to 89.98 ug/L in 2008.

- GM-35, total VOCs were 732.8 ug/L in 2001 (this well was installed after the 1999 baseline sampling event), decreasing to 241.9 ug/L in 2008.

- GM-8, total VOCs were 150.3 ug/L in the 1999 baseline sampling event, decreasing to 21.75 ug/L in 2008.

- GM-6, total VOCs were 275.1 ug/L in the 1999 baseline sampling event, decreasing to 11.3 ug/L in 2008.

- GM-2, total VOCs were 82.9 ug/L in the 1999 baseline sampling event, decreasing to 10.59 ug/L in 2008.

These data indicate that VOC concentrations in monitoring wells hydraulically downgradient of the Former Oil House Area and RZ-1 decreased from the 1999 baseline to 2008. Wells GM-21 and GM-22, located south of and sidegradient to the Former Oil House Area, exhibited a decrease and slight increase in total VOC concentrations, respectively. In well GM-22, total VOCs were 7.6 ug/L in 1999 baseline and slightly increased to 12.13 ug/L in 2008. In well GM-21, total VOCs were 168.9 ug/L in the 1999 baseline and decreased to 104.29 ug/L in 2008. The significance of these concentrations is further discussed in Section 4.0.

The following total VOC concentrations are noted in monitor wells hydraulically downgradient of the Former Oil House Area to the southwest and upgradient of the closed South Settling Lagoon:

- HR-1, total VOCs were 114 ug/L in the 1999 baseline event, decreasing to 106.57 ug/L in 2008.

- HR-17, total VOCs were 29.1 ug/L in the 1999 baseline event, increasing to 155.8 ug/L in 2008.

The following total VOC concentrations are noted in monitor wells hydraulically side-gradient of the Former Oil House Area to the west and east of the closed North Settling Lagoon:

- HR-2, total VOC concentrations were 15 ug/L in the 1999 baseline event and 8.83 ug/L in 2008.

- HR-4, total VOC concentrations were 2.6 ug/L in the 1999 baseline event and 5.08 ug/L in 2008.

Wells downgradient of the closed North (W-2-N, W-3-N, W-4-N) and South (W-2-S, W-3-S, W-4-S) Settling Lagoons (closed through in-situ solidification and installation of a cover system in 2001, after the 1999 baseline sampling event) were sampled for both the site-wide groundwater monitoring and post-closure monitoring programs. Total VOC concentrations in wells downgradient of the closed North Settling Lagoon, ranged from 3.3 ug/L to 308.9 ug/L in the 1999 baseline event and ranged from 2.17 ug/L to 103.2 ug/L in 2008. The detected VOCs included 1,1-DCA, cis-1,2-DCE, trans-1,2-DCE, 1,1,1-TCA, TCE, PCE, and vinyl chloride. Total VOC concentrations in wells downgradient of the closed South Settling Lagoon, ranged from 6.5 ug/L to 52.9 ug/L in the 1999 baseline event and 5.33 ug/L to 57.66 ug/L in 2008. The detected VOCs included 1,1-DCA, cis-1,2-DCE, trans-1,2-DCE, 1,1,1-TCA, TCE, and PCE. The significance of these concentrations is further discussed in Section 4.0.

2.2.3.1.3 Downgradient Groundwater Quality

On-site downgradient wells (GM-6, TW-2, GM-2) and off-site downgradient wells (GM-47, GM-50, GM-51, GM-52, GM-16, GM-17, GM-18, WSU-24, GM-10) in the upper aquifer exhibited concentrations of PCE, TCE, 1,1,1-TCA and their associated daughter products. In the 1999 baseline event, total VOC concentrations in these wells ranged from 16.5 ug/L to 266.3 ug/L (excluding wells GM-47, GM-50, GM-51, GM-52 which were installed in 2006). In 2008, total VOC concentrations in these downgradient wells ranged from 7.28 ug/L to 291.2 ug/L (including wells GM-47, GM-50, GM-51, GM-52 which were installed in 2006). At the off-site downgradient well GM-26, which was defined for the site-wide groundwater monitoring program as the point of compliance (POC) well for the upper aquifer, no VOCs were detected in the 1999 baseline event, while PCE was detected below the MCL at 1.4 ug/L in 2008. The decreasing concentrations in the wells downgradient of the site (GM-6, TW-2, GM-2, GM-17, GM-18, GM-10, and WSU-24) compared to the RFI data (ARCADIS Geraghty & Miller, Inc. 2000a) and the 1999 baseline conditions, is likely attributable to the effects of corrective measures pumping at TW-2 which began in January 1996, pumping at DN-13, the effects of the RZs and on-going natural attenuation of the VOCs. PCE and TCE concentrations in GM-16 in 2008 are greater than the 1999 baseline concentrations. RZ-4 was installed in July 2006 to address the increased concentrations observed at GM-16. Additional off-site wells installed during the supplemental groundwater investigation further delineated downgradient concentrations including well installation west of the Great Miami River. Concentrations in these wells (GM-55, GM-65S, GM-78, GM-79, GM-80) in 2008 ranged from 2.45 ug/L to 12.5 ug/L.

2.2.3.2 Lower Aquifer Groundwater Quality

This section includes a discussion of the groundwater quality in lower aquifer monitoring wells shown on Figure 4 that are part of the site-wide program. In 1999 and 2008, the upgradient lower aquifer monitor well HR-12 exhibited the presence of VOCs (total VOCs of 7.4 ug/L and 6.79 ug/L, respectively). The detected VOCs included 1,1,1-TCA, PCE, and TCE, suggesting that upgradient releases of chlorinated VOCs has occurred. The detected VOCs in HR-12 are consistent with historical values for upgradient groundwater quality as indicated in the DOCC (Geraghty & Miller, Inc. 1991 and 1997b) and RFI Reports (ARCADIS Geraghty & Miller, Inc. 2000a and 2000b) for the GM Moraine facilities. This confirms that upgradient sources of VOCs, not related to GM operations, continue to exist in the lower aquifer in the local area. Additionally, the types of VOCs detected upgradient are similar to those detected further downgradient beneath the site, indicating that total VOC concentrations detected beneath the site include both upgradient (off-site) and on-site contributions. VOCs were not detected in upgradient lower aquifer well HR-10 in 2008.

On-site lower-aquifer monitor wells that were part of the site-wide monitoring program in September-October 2008 included HR-15, GM-39, GM-40,GM-61, GM-75D, GM-68D, GM-82, GM-41, GM-58, GM-54, GM-42, GM-19D. Wells GM-39, GM-40, GM-41, and GM-42 were installed in 2003 and wells GM-54, GM-58, GM-61, GM-68D, GM-75D, and GM-82 were installed in 2006 to 2008 after the 1999 baseline sampling event. Detected VOCs included PCE, TCE, 1,1,1-TCA and their associated daughter products. In 1999 (baseline conditions) the total VOC concentrations in these wells ranged from 13.5 ug/L to 70.3 ug/L. In 2008, total VOC concentrations in these wells ranged from 3.6 ug/L to 1,090 ug/L. The increase in the concentration range for this area in 2008 compared to the baseline conditions is due to the sampling data from GM-68D and GM-75D, which were installed after the baseline sampling event. The area of the site monitored by these wells is currently not addressed by corrective measures but the proposed final corrective measures discussed in the 2008 draft CMP do include an approach to address these concentrations.

Additional monitor wells were installed during the supplemental groundwater investigation off-site to the west (GM-83D) and to the east (GM-84) of the site. In 2008, total VOCs in GM-83D were 1.6 ug/L and in GM-84 were 6.6 ug/L.

On-site downgradient wells (GM-3, GM-1) and off-site downgradient wells (GM-15, GM-11, GM-20D, DN-13, GM-9) contained similar VOCs when compared to the on-site groundwater quality. In 1999 (baseline conditions) the total VOC concentrations in

these wells ranged from non-detect to 115 ug/L. In 2008, total VOC concentrations in these wells decreased (total VOCs ranged from non-detect to 33.49 ug/L). VOCs were not detected in off-site, downgradient well MT-69 in 1999 and 2007. Well MT-69 was not sampled in 2008 due to well damage. The off-site downgradient wells GM-15, GM-11, and GM-20D were defined for the site-wide groundwater monitoring program as the POC wells for the lower aquifer. The MCL for TCE was exceeded in wells GM-15, GM-11, and GM-20D in 2008. However, groundwater downgradient of these wells is captured in the lower aquifer capture zone well, DN-13. All other detected VOCs in these POC wells were below MCLs.

3. Corrective Measures Implementation and Performance

To address the source of VOCs in groundwater (Former Oil House Area Source Area) and the associated downgradient plume, GM continued to operate the corrective measures systems in 2008. This involved operation of the RZs and capture zones, as presented in Section 3.1. To meet the objectives defined in Section 4.0 of the Site-Wide Groundwater Monitoring Plan, the data collected in 2008 (described in Section 2.0 of this report) are evaluated in Sections 3.2 and 4.0 to assess the ongoing effectiveness of and the need for continuation of these corrective measures. The corrective measures performance is summarized in Section 3.2 and presented in more detail in Appendix D.

3.1 Corrective Measures Implementation

3.1.1 In-Situ Reactive Zones

The reductive dechlorination of chlorinated VOCs can be enhanced by the introduction of a carbon source that stimulates activity of indigenous microorganisms. The high carbon loading triggers a succession of microbial species. Initially, aerobic electron acceptors such as oxygen and nitrate are consumed. Then, the microbial succession leads to a consortium of species that survive by sulfate reduction, methanogenesis and other similar metabolic pathways, supporting the highly reducing conditions necessary for the dechlorination of PCE, TCE, cis-1,2-DCE, and vinyl chloride. This enhanced reductive dechlorination process (ERD) has been developed at the GM Moraine site through the use of RZs for introduction of a degradable carbon source necessary to develop the desired reducing conditions.

Enhanced reductive dechlorination was implemented in 1999 as a component of the Former Oil House Area corrective measures at three zones: 1) at the southern boundary of the Former Oil House Area (RZ-1); 2) at an intermediate downgradient location south of the Former Oil House Area in the ME well series area (RZ-2 which was operated from 1999 to 2002); and 3) at a downgradient location south of former Delphi Thermal Moraine (RZ-3 West) and the former Moraine Engine plant (RZ-3 East). Using the data obtained from the Supplemental Groundwater Investigation conducted in 2006, RZ-4 was designed and installed to address VOC impacts identified west of RZ-3 West (GM-16). The RZ locations are shown on Figure 2. The actual layouts of each RZ are shown on Figures 10 and 11, and discussed below:

- At RZ-1, molasses solution was introduced into the upper aquifer, above the upper clay till. The carbon injection wells are screened across the lower 10 ft of the upper aquifer, which is 4 ft to 12 ft thick. RZ-1 consists of 21 introduction wells, of which 12 wells (RZ-1J through RZ-1U) were added in 2002, to expand RZ-1.

- Former RZ-2 consisted of four monitoring wells (ME-1 [abandoned], ME-2, ME-4, ME-5 [abandoned]), located along the western edge of the former Moraine Engine Plant 3 building. The RZ-2 wells were screened within the upper 3 ft of the upper aquifer. RZ-2 was operated from 1999 to 2002. Relocation of in situ reactive zone RZ-2 has been evaluated as part of the CMP.

- RZ-3 consists of 46 introduction wells, 30 wells in RZ-3 West (RZ-3A through RZ-3DD) and 16 wells in RZ-3 East (RZ-3FF through RZ-3KK, and RZ-3MM through RZ-3VV). At RZ-3, the carbon injection wells were screened from approximately the aquifer surface to a depth of 46 ft to 68 ft bls, allowing carbon introduction through the lower 20 to 30 feet of the upper aquifer. Introduction wells RZ-3RR through RZ-3VV were installed in April 2005 in order to establish a reactive zone further down-gradient and closer to the property boundary. The additional introduction wells were screened from 34 ft to 54 ft bls. Wells RZ-3MM through RZ-3QQ have not been operated since the installation of RZ-3RR through RZ-3VV in 2005, therefore, of the 16 existing introduction wells in RZ-3 East, only 11 are active.

- RZ-4 consists of 15 introduction wells, 7 wells in RZ-4 West (RZ-4I through RZ-4O) and 8 wells in RZ-4 East (RZ-4A through RZ-4H). These wells were installed in July 2006. The RZ-4 West wells are located in the southeast corner of the closed South Settling Lagoon and the RZ-4 East wells are located north of Landfill L1 and west of the Waste Pile/Staging Area. At RZ-4, the carbon injection wells were screened from approximately the aquifer surface to a depth of 57 ft to 62 ft bls, allowing carbon introduction through the lower 30 feet of the upper aquifer. Only RZ-4 East remains active.

To establish conditions conducive to ERD within reactive zones RZ-1, RZ-2, and RZ-3, a readily degradable carbon source (a dilute solution of molasses and potable water) was periodically delivered into the reactive zone introduction wells during a 6-month period from December 1999 to May 2000. The molasses solution consisted of either a 10-to-1 or 20–to-1 ratio of potable water to feed-grade molasses that was pumped into each RZ well. The initial event, conducted in December 1999, consisted of two consecutive rounds of carbon source introductions in each RZ well. After the initial

introduction event, the carbon source solution introductions were scheduled twice per month through May 2000. Due to the success during the first six months of implementing this technology, carbon source introduction activities continued in October, November, and December 2000, and subsequently from June 2001 through December 2008.

Introductions in RZ-1 were modified in the fall of 2003 after review of the previous site-wide groundwater analytical results. Due to the success of RZ-1, GM implemented a reduced carbon loading frequency of one introduction event every other month, and periodically monitored GM-28 to ensure that the necessary reducing conditions were being sustained to promote the dechlorination process. In May 2005, the introduction routine was changed to two injections every quarter to ensure reducing conditions are maintained and sufficient carbon is available to allow for complete degradation of the VOCs. This injection schedule of two per quarter was followed in 2008 with the exception of the fourth quarter when RZ-1 was not skipped in order to address an increase in VOC concentrations (cis-1,2-dichloroethene and vinyl chloride) noted during the third quarter performance monitoring.

Introductions continued throughout 2008 on a monthly introduction schedule in Reactive Zone RZ-3. Wells GM-21, GM-6, and GM-8 serve as the downgradient performance monitoring wells for RZ-3. Monthly carbon introductions in RZ-4 East continued through December 2008. Monitoring Well GM-19S serves as the downgradient performance monitoring well for RZ-4 East. The molasses is stored on-site and mixed with potable water prior to injections. Details regarding the frequency and strength of carbon source introductions are provided in Table 18 for 2008. Additional discussion is presented in Appendix D.

3.1.2 Capture Zones

The capture zone corrective measure for the upper aquifer consists of groundwater extraction at the property boundary using well TW-2; treatment through an air stripper tower; and discharge through GM's NPDES permitted outfall to the Great Miami River. Groundwater recovery from TW-2 began on January 31, 1996. During the 13 years of operation (January 31, 1996 through December 31, 2008), the system has recovered and treated a total of 853,513,983 gallons of groundwater at an average flow rate of 143.4 gallons per minute (gpm). Annual total gallons recovered and average flow rate during 2008 were 61,858,963 gallons and approximately 129.7 gpm, respectively. The location of recovery well TW-2 is shown on Figure 2.

From November 1996 through the end of this reporting period, GM has monitored the water level in TW-2 and adjusted the TW-2 flow rate as recommended in the October 1996 Monthly Technical Progress Report (Geraghty & Miller, Inc. 1996) and approved by U.S. EPA (Personal Communication, 1996). This procedure was implemented to avoid excessive drawdown within the well, which could cause damage to the well screen and/or the pump. The flow rate from TW-2 is adjusted as necessary to maintain the water level in TW-2 at least 0.5 feet above the top of the well screen. As documented in the 2008 Monthly Technical Progress Reports, the treatment system is periodically shut down for short periods of time for operation and maintenance activities.

Well DN-13 is a lower aquifer well that Montgomery County has been using in a Pump-to-Waste Program since March 1990. The capture zone corrective measure for the lower aquifer consists of continued pumping of DN-13 in 2008 at an approximate range of 1,000 to 1,100 gpm. Well DN-13 was operational throughout 2008 except for the periodic shutdowns for operation and maintenance activities that are documented in the 2008 Monthly Technical Progress Reports. As further discussed in Section 3.2.2, these temporary shut downs did not have long-term effects on the capture zone around well DN-13. The location of well DN-13 is shown on Figure 2.

3.2 Corrective Measures Performance

3.2.1 In-Situ Reactive Zone Performance Results

As described earlier in Section 3.1.1, the carbon solution delivery network consisted of RZ-1, RZ-3 (West and East), and RZ-4 East. Molasses was introduced in 2008 into the groundwater through introduction points shown on Figures 10 and 11. Operation of the RZs was monitored through the collection of field parameter measurements, and laboratory analyses of biogeochemical indicator parameters and VOCs, according to the Site-Wide Groundwater Monitoring Plan (ARCADIS G&M, Inc. 2002). A detailed assessment of the effectiveness of the In-situ Reactive Zones and the results of this monitoring are presented in Appendix D and summarized below:

- Existing aquifer conditions have been converted to more reducing conditions within and downgradient of the reactive zones through the introduction of a carbon source, as evidenced by the changes in field and bioattenuation parameters;

- The target compounds (PCE and TCE) have been effectively reduced to daughter products (cis-1,2-DCE and vinyl chloride) and ultimately to end products (ethene and ethane) based on a review of the VOC results; and

- Levels of vinyl chloride were consistently low to non-detect in all downgradient wells, indicating degradation of cis-1,2-DCE to ethene and ethane.

In general, the process of enhanced reductive dechlorination at this site has been successful in achieving the desired reduction of VOC concentrations. In 2009, GM will continue to evaluate if modifications to the RZs are needed based on water quality and performance monitoring data.

3.2.2 Capture Zone Performance Results

Figures 6 and 7 indicate the location of the capture zone corrective measures at the southern end of the former Delphi Thermal Moraine site for both the upper and lower aquifers, respectively. Additionally, it should be noted that these flow maps are consistent with the flow conditions predicted by the capture zone modeling, presented on Figures 2 and 3 of the Final Interim Measures Design Plans (Geraghty & Miller, Inc. 1995). Seasonal weather conditions vary throughout the year and this variation will have an impact on the groundwater elevations observed at the site (Table 7). The observed elevation differences in 2008 are consistent with the above average precipitation in 2008. Although precipitation was higher than normal (6.31 inches above normal) during 2008 and 5 inches higher than 2007, the above average precipitation occurred early in the year. The November 2008 event closely matches the October 2007 potentiometric surface across the site. Water-level elevations in TW-2 are regularly monitored to ensure the water level does not fall below the well screen. If the water level approaches the well screen, the pumping rate is reduced for protection of the pump. Pumping rate adjustments were not necessary in 2008 as discussed previously in Section 3.1. The pumping rate for DN-13 was not adjusted; therefore, only seasonal variations influence water level elevations at DN-13. Effective capture has been maintained in spite of seasonal variations in both the upper and lower aquifers.

Figure 5 presents a graph of the influent concentration of total chlorinated VOCs and benzene, toluene, ethylbenzene, and xylenes (BTEX) compounds in TW-2 since start up of the recovery and treatment system in January 1996. The data shows a steady decline in total chlorinated VOCs and a significant decrease in VOC concentrations.

The data indicates that the remediation at the site is continuing to provide VOC mass reduction downgradient of RZ-3 West.

4. Corrective Action Completion Strategy

4.1 Effectiveness of Corrective Measures Activities

4.1.1 Background and Objectives

The goal of the corrective measures for groundwater at the Site is to reduce existing site-related groundwater concentrations to levels that are protective of reasonably expected future uses of groundwater. GM's approach for achieving this goal is through a combination of the corrective measures that achieve plume migration control, reduce existing plume concentrations, and monitor performance of these measures. Once on-site groundwater concentrations are reduced sufficiently by active corrective measures (pumping and in-situ treatment) to ensure continued protection of reasonably expected groundwater uses, some, or all, of the active measures will be terminated. Groundwater monitoring as described in the Site-Wide Groundwater Monitoring Plan (ARCADIS G&M, Inc. 2002) or as will be described in the forthcoming corrective measures design plan (to be developed following U.S. EPA approval of the CMP) will continue to verify that groundwater conditions remain acceptable, and that ultimately, groundwater concentrations at the POC defined for the upper and lower aquifers, decline below the appropriate protective levels (i.e., appropriate for the protection of the groundwater resource and its reasonably expected future uses). Data have been and will continue to be acquired during the implementation of the site-wide groundwater monitoring program to evaluate progress towards achieving this goal.

The need for continued operation of the remedial measures described in Section 2 will be determined based on achieving and maintaining the following conditions:

1. Upper aquifer: consistent with the criterion stated in the approved RCRA Corrective Action Environmental Indicator Determination – Migration of Contaminated Groundwater Under Control (CA 750), the condition to be met in the upper aquifer is no migration of VOCs at concentrations exceeding appropriately protective levels (i.e., appropriate for the protection of the groundwater resource and its reasonably expected future uses as characterized in the RFI) beyond the existing area of contaminated groundwater. Based on the groundwater conditions established during the September 1999 baseline sampling event, the existing well GM-26 was identified as the POC monitoring point for ensuring that this condition is maintained.

2. Lower aquifer: consistent with the goal to maintain a usable aquifer, including off-site drinking water use, the condition to be met in the lower aquifer is no VOC concentrations exceeding appropriate protective levels (i.e., appropriate for the protection of the groundwater resource and its reasonably expected future uses as characterized in the RFI) beyond the existing area of contaminated groundwater. Based on the groundwater conditions established during the September 1999 baseline sampling event, the existing wells GM-15, GM-11, and GM-20D were identified as the POC monitoring points for ensuring that this condition is maintained.

Once on-site groundwater concentrations are reduced sufficiently by active measures to be protective of reasonably expected future uses, some or all of these active measures will be terminated. Following termination of any active measures, GM will continue its groundwater monitoring program to confirm that the conditions in the upper and lower aquifer continue to be met without these active measures.

4.1.2 Methodology

In accordance with the Site-Wide Groundwater Monitoring Plan (ARCADIS G&M, Inc. 2002), groundwater data are compared to remediation target levels (RTLs) developed to ensure compliance with the above-stated conditions without active corrective measures. As defined in the Site-Wide Groundwater Monitoring Plan, these RTLs have been calculated using the groundwater assessment methods developed in the Baseline and Supplemental Baseline Risk Assessments (ENVIRON 2000a, b) taking into consideration the current pumping conditions at and in the vicinity of the facility. Specifically, the MODFLOW groundwater flow model (Geraghty & Miller, Inc. 1994) developed for Delphi Thermal Moraine and the surrounding region (including former Moraine Engine and Moraine Assembly) is used to support estimation of RTLs which are concentrations in on-site groundwater at locations downgradient of the Former Oil House Area that would not be expected to result in exceedances of the MCL at the designated monitoring points.

As discussed in the 2008 CMP (ARCADIS, Inc. 2008a), the MODFLOW groundwater flow model developed for the site was updated to reflect changes in on-site pumping conditions and the refined hydrogeologic conceptual site model. In particular, due to the cessation of operations at the former Moraine Assembly facility in December 2008, GM production wells 11B and 12A are currently operating at a greatly deminished level and will cease to operate a some point in the near future. Therefore, the MODFLOW model was updated to project the flow conditions with wells 11B, and 12A no longer

operating (model scenario "1A" as defined in the CMP [ARCADIS, Inc. 2008a]). Additional details regarding the refinements made to the groundwater flow model can be found in Appendix D of the 2008 CMP (ARCADIS, Inc. 2008a).

Using this approach and considering the scope of the annual groundwater monitoring program, GM developed RTLs for the following remediation monitoring zones in both the upper and lower aquifer at and downgradient of the Former Oil House Area:

- Upper Aquifer
  - Former Oil House Area, (AOI 7 Shallow): the Former Oil House Area source area (wells GM-23, GM-29 and GM-30),
  - Zone S1: the monitoring zone immediately downgradient of RZ-1 (well GM-28),
  - Zone S1 to Zone S2: the monitoring zone between RZ-1 and RZ-2 (wells GM-28, and ME-6),
  - Zone S2: the monitoring zone immediately downgradient of RZ-2 (wells ME-6, ME-3, GM-31),
  - Zone S2 to Zone S3: the monitoring zone between RZ-2 and RZ-3 (wells ME-6, ME-3, GM-31, GM-22, GM-19S, EAST, GM-33, GM-35),
  - Zone S3: the monitoring zone immediately downgradient of RZ-3 (wells GM-32, GM-21, W-4-S, GM-63, and GM-64),
  - Zone S3 to GM-10: the monitoring zone between RZ-3 and GM-10 (wells 4S, GM-32, GM-21, GM-8, GM-6, W-4-S, GM-2, GM-16, GM-18, WSU-24, GM-47, GM-50, GM-51, GM-63, GM-64 and GM-10),
  - GM-10/GM-52: the monitoring zone downgradient of RZ-3 (wells GM-10 and GM-52), and
  - POC Shallow: monitoring at well GM-26.

- Lower Aquifer
  - Former Oil House Area, (AOI 7 Deep): the Former Oil House Area source area (wells GM-23, GM-29, and GM-30),
  - Zone GM-40/41/54: the monitoring zone encompassing GM-40, GM-41 and GM-54,
  - Zone GM-42: the monitoring zone encompassing GM-42,
  - Zone D1: the monitoring zone encompassing GM-19D,
  - Zone D2: the monitoring zone encompassing wells GM-1 and GM-3, and
  - POC Deep: monitoring at wells GM-11, GM-15 and GM-20D.

The following steps were conducted to assess the site-wide monitoring data for the purpose of determining the extent to which each remedial measure is contributing to achievement of the conditions outlined above for the upper and lower aquifers:

- As discussed above, the groundwater flow model was updated in 2008 to reflect current pumping conditions. The pumping conditions are summarized on Table E-1 in Appendix E. Table E-1 also provides the source reduction factors calculated from the groundwater flow model that are used to assess hypothetical concentrations at receptor wells that are attributable to the land-based units (i.e., North and South Settling Lagoons, and Landfills L1, L2 and L3). The RTLs, updated to reflect these current pumping conditions at and in the vicinity of the site (ARCADIS, Inc. 2008a), are presented on Table E-4 in Appendix E.

- Minimum, mean and maximum constituent concentrations in each remediation monitoring zone were calculated based on data collected during the 2008 monitoring period. One-half sample quantitation limits were used for non-detect results.

- Minimum, mean and maximum constituent concentrations were compared against the RTLs developed for each remediation monitoring zone.

4.1.3 Results

The results for groundwater quality data collected in all groundwater monitoring events in 2008 in each remediation monitoring zone wells are discussed in Section 2.2.3. A comparison of the minimum, mean and maximum concentrations for each parameter in each remediation monitoring zone to the RTLs is presented on Table 19. These results and relative change in these results in comparison with the 2007 monitoring period are discussed below and presented on Table 19. For reference, Table 19 also presents a comparison with the results from the 1999 baseline sampling event.

The comparison of the 2008 shallow zone (upper aquifer) monitoring data with the RTLs indicates the following:

<u>AOI 7, Shallow (wells GM-23, GM-29 and GM-30)</u>:

- Consistent with 2007, concentrations of 1,1-DCE, cis-1,2,-DCE, PCE and TCE remained below the RTLs.

- As compared with 2007, the concentrations of vinyl chloride have decreased but still remain above the RTL.

Zone S1 (well GM-28):

- Consistent with 2007, all concentrations remain below the RTLs.

Zone S1 to S2 (wells GM-28, ME-6):

- Consistent with 2007, all concentrations remain below the RTLs.

Zone S2 (wells ME-6, ME-3, GM-31):

- Consistent with 2007, the concentrations of 1,1-DCE, cis-1,2,-DCE, PCE and vinyl chloride remain below RTLs.

- As compared to 2007, the maximum concentration of TCE has decreased but still remains above the RTL.

Zone S2 to S3 (wells ME-6, ME-3, GM-31, GM-22, GM-19S, EAST, GM-33, GM-35):

- Consistent with 2007, the concentrations of 1,1-DCE, cis-1,2,-DCE, PCE and vinyl chloride remain below RTLs.

- As compared with 2007, the maximum concentration of TCE has decreased but still remains above the RTL.

Zone S3 (wells W-4-S, GM-32, GM-21, GM-63, and GM-64):

- Consistent with 2007, the concentrations of 1,1-DCE remain below the RTL.

- As compared with 2007, the maximum concentration of cis-1,2-DCE has decreased to a level below the RTL. The maximum concentrations of PCE and TCE have increased slightly and remain above the RTLs. The maximum concentration of vinyl chloride has decreased but remains above RTL.

Zone S3 to GM-10 (wells 4S, GM-32, GM-21, GM-8, GM-6, W-4-S, 4S, GM-2, GM-16, GM-18, WSU-24, GM-47, GM-50, GM-51, GM-63, GM-64 and GM-10):

- Consistent with 2007, the concentrations of 1,1-DCE remain below the RTL.
- As compared with 2007, the maximum concentration of cis-1,2-DCE has decreased to a level below the RTL.
- As compared with 2007, the maximum concentrations of TCE and PCE have slightly increased and remain above the RTLs. The maximum concentration of vinyl chloride has decreased but still remains above the RTL.
- As compared with 2007, the average concentration of PCE has remained stable above the RTL.

GM-10/GM-52:

- Consistent with 2007, the concentrations of 1,1-DCE, cis-1,2-DCE and vinyl chloride remain below RTLs.
- Consistent with 2007, the maximum and average concentrations of PCE have remained relatively stable above the RTL. The maximum and average concentrations of TCE have decreased but still remain above the RTL.

POC Shallow (well GM-26):

- Consistent with 2007, all concentrations remain below the RTLs.

The comparison of the 2008 deep zone monitoring data with the RTLs indicates the following:

AOI 7, Deep (wells GM-23, GM-29, and GM-30):

- Consistent with 2007, the concentrations of 1,1-DCE remain below the RTL.
- As compared with 2007, the maximum concentrations of cis-1,2-DCE and PCE have decreased to levels below the RTLs.
- Consistent with 2007, the maximum concentration of vinyl chloride has decreased but still remains above the RTL. The maximum and average concentrations of TCE have remained relatively stable above the RTL. The average concentration of vinyl chloride has decreased but remains above the RTL.

Zone GM-40/41/54:

- Consistent with 2007, the concentrations of 1,1-DCE, cis-1,2-DCE, and vinyl chloride remain below the RTLs.

- As compared with 2007, the maximum and average concentrations of PCE have increased slightly and remain above the RTL. The maximum and average TCE concentrations have decreased but also remain above the RTL.

GM-42:

- Consistent with 2007, all concentrations remain below the RTLs.

Zone D1 (well GM-19D):

- Consistent with 2007, concentrations of 1,1-DCE, cis-1,2-DCE, PCE, and TCE remain below the RTLs.

- Consistent with 2007, the detected concentration of vinyl chloride has decreased but remains above the RTL.

Zone D2 (wells GM-1 and GM-3):

- Consistent with 2007, concentrations of 1,1-DCE, cis-1,2-DCE, PCE, and vinyl chloride remain below the RTLs.

- As compared with 2007, the concentrations of TCE have decreased but remain above the RTL.

POC Deep (wells GM-11, GM-15 and GM-20D):

- Consistent with 2007, concentrations of 1,1-DCE, cis-1,2-DCE, PCE and vinyl chloride remain below RTLs.

- As compared to 2007, the minimum concentration of TCE has increased above the RTL. The maximum and average concentrations of TCE have decreased slightly but remain above the RTL.

As indicated by the comparison of groundwater monitoring data with the RTLs presented on Table 19, concentrations at the upper aquifer POC well remain below RTLs. Concentrations in the monitoring zone immediately upgradient of the upper aquifer POC remain stable and above RTLs since 2006. Concentrations in the monitoring zones further upgradient of the upper aquifer POC, as well as concentrations at the lower aquifer POC wells remain above the RTLs for one or more constituents. Therefore, active corrective measures are still required to maintain the short-term objective in the upper aquifer, and to achieve the short-term corrective action objective in the lower aquifer.

Concentrations in the AOI-7 area remain above levels necessary to achieve the RTLs at the downgradient upper and lower aquifer POCs. However, concentrations immediately downgradient of RZ-1 remain below the RTLs, thus indicating that RZ-1 has been effective at remediating groundwater impacts from AOI-7 in the upper aquifer. Continued corrective measures downgradient of RZ-1 (i.e., at RZ-3 and RZ-4) will be continued to address residual impacts in the downgradient upper aquifer plume area. In addition, the CMP submitted in August 2008 included a review of the appropriateness of the monitoring wells selected as POC wells (ARCADIS Inc. 2008a), and provided proposed modifications to the monitoring program, specifically the POC wells for the upper and lower aquifer. These changes including additional modifications to the monitoring program will be proposed in the corrective measures design plan which will be developed following approval of the 2008 CMP (ARCADIS Inc. 2008a).

4.2 Monitoring of Land-Based Waste Management Units

4.2.1 Background and Objectives

One additional component of the site-wide groundwater monitoring program is monitoring of other specific units (i.e., the closed lagoons). Although the RFI,

Supplemental RFI and CMP, determined that the wastes at these units do not contribute constituents to groundwater at levels that would have a significant effect on current and reasonably expected future groundwater uses, the monitoring program includes monitoring wells that are used to confirm these findings. In addition, the Site-Wide Groundwater Monitoring Plan was developed to meet the objectives of Ohio EPA's post-closure monitoring for the closed North and South Settling Lagoons.

4.2.2 Methodology

As indicated above, this site-wide monitoring program was developed to meet the objectives of RCRA corrective action and the post-closure groundwater monitoring requirements for the closed lagoons. The site-wide program monitors potentially significant contributions of hazardous waste constituents to existing groundwater quality from the closed lagoons. To determine if the closed lagoons may be significant contributors of hazardous waste constituents to existing groundwater concentrations, monitoring data collected from the designated post-closure monitoring wells located downgradient of each of the closed lagoons are evaluated for temporal trends. The approach proposed in the Site-Wide Groundwater Monitoring Plan for this assessment includes, as an initial approach, the application of straight line regression to determine if the data suggests a strong positive correlation.

In addition, in accordance with the Site-Wide Groundwater Monitoring Plan, the monitoring wells located immediately downgradient of the in-place waste management units are evaluated to determine whether these units are significantly affecting groundwater quality. Specifically, the potential health significance of constituents detected in monitoring wells immediately downgradient of these units to current and reasonably expected groundwater uses on-site and off-site are evaluated using the groundwater assessment methods developed in the Supplemental RFI Baseline Risk Assessment (ENVIRON 2000b) and CMP (ARCADIS, Inc. 2008a). If this evaluation identifies detected concentrations that indicate one or more of these units may be having a potentially significant impact on downgradient groundwater quality, then a review of groundwater quality from monitoring wells upgradient and downgradient of the particular unit would be conducted to identify whether the unit is affecting groundwater quality. The monitoring wells identified in the Site-Wide Groundwater Monitoring Plan for monitoring each of the waste management units are:

- Closed North Settling Lagoon: HR-4 (upgradient), W-2-N, W-3-N, W-4-N.
- Closed South Settling Lagoon: HR-17 (upgradient), W-2-S, W-3-S, W-4-S.

- Landfill L1: GM-2, GM-6, 4S.
- Landfill L2: W-4-N, HR-2, HR-3.
- Landfill L3: W-4-N, HR-2, HR-4.

Consistent with the groundwater exposure evaluation conducted for the Supplemental Baseline Risk Assessment (ENVIRON 2000b) and CMP (ARCADIS, Inc. 2008a), groundwater concentrations reported for each set of downgradient monitoring wells are assumed to represent source concentrations associated with each unit. These source concentrations are combined with source reduction factors developed for the base case exposure scenario (i.e., current groundwater use conditions without corrective measures pumping – "Scenario 1a") to estimate exposure concentrations at the points of groundwater use (e.g., downgradient municipal well fields). For the current evaluation, the maximum concentrations detected during the 2008 sampling events in each set of monitoring wells are used as the source concentration and combined with the updated source reduction factors presented on Table E-1 (as described in Section 4.1.2). The estimated exposure concentrations are then compared with MCLs or risk-based equivalent drinking water levels (EDWLs) ("drinking water criteria").

4.2.3 Results

As proposed in the Site-Wide Groundwater Monitoring Plan (ARCADIS G&M, Inc. 2002), post-closure monitoring data collected from those wells assigned to the closed North and South Settling Lagoons were reviewed for temporal trends (see Section 2.2.3.1.2). Data considered in the evaluation included results through the September 2008 monitoring event and data ranging back to the initial post-closure monitoring event conducted in November 2001. Currently, the data set collected since the lagoons were closed includes seven data points for any monitoring well/constituent pair; the data plots for key constituents are provided on Figure E-1 for the closed North Settling Lagoon (NSL) and Figure E-2 for the closed South Settling Lagoon (SSL). In general, the linear regression analysis for the NSL, using the available data, indicates either declining concentrations or little significant changes over time. Similarly for the SSL, changes in concentrations in the wells immediately downgradient of this unit appear to correspond to changes in concentrations in the upgradient well (HR-17). While a slight increase in cis-1,2-DCE concentrations has been observed in well W-4-S, this increase does not represent a significant change. Between 2002 and 2008, cis-1,2-DCE concentrations in this well have only increased from about 3 ug/L to about 6 ug/L. The drinking water criterion for cis-1,2-DCE is 70 ug/L. These concentration

trend lines do not indicate that any significant increases in groundwater concentrations that would be attributable to these land based units.

Using the methodology developed in the Supplemental RFI baseline risk assessment (ENVIRON 2000b) and CMP (ARCADIS Inc. 2008a) for assessing potential impacts to groundwater receptors from releases at the Moraine facilities, GM determined that the data from the wells downgradient of the closed North and South Settling Lagoons do not indicate that these units are significantly affecting groundwater quality. The potential significance of concentrations detected during the 2008 sampling events in each set of downgradient monitoring wells for the lagoons and landfills were assessed. Based on the maximum concentrations detected during the 2008 sampling events at each of these units, exposure concentrations at water supply wells representing current pumping conditions were estimated. The estimated combined groundwater concentrations at each of the receptor wells are presented on Table 20 in comparison with drinking water criteria. As shown on Table 20, the maximum concentrations detected downgradient of each of the land-based waste disposal units do not contribute significantly to concentrations at these points of potential exposure. Therefore, the data from the wells downgradient of the waste management units indicate that these units are not significantly affecting groundwater quality. Supporting calculations for this assessment are provided in Appendix E.

5. Conclusions and Recommendations

This summary report presents the groundwater monitoring activities completed in 2008 at the GM Moraine Facilities located in Moraine, Ohio. This sampling was conducted to meet the five objectives presented in Section 1.2. Compliance with these objectives is presented for the waste management units, corrective measures, and on-going site-wide groundwater monitoring in the following sections.

5.1 Land-Based Waste Management Units

As proposed in the Site-Wide Groundwater Monitoring Plan (ARCADIS G&M, Inc. 2002), monitoring data collected immediately downgradient of the closed North and South Settling Lagoons, and Landfills L1, L2 and L3 were evaluated to determine if these units may be contributing constituents to groundwater at levels that would have a significant effect on current and reasonably expected future groundwater uses. Using the methodology developed in the Supplemental RFI baseline risk assessment (ENVIRON 2000b) and CMP (ARCADIS, Inc. 2008a) for assessing potential impacts to groundwater receptors from releases at the Moraine facilities, the potential significance of observed groundwater concentrations downgradient of these units was evaluated.

This evaluation determined that data from the wells downgradient of the in-place waste management units indicate that these units are not significantly affecting groundwater quality. Based on the results from the 2008 monitoring, no changes in the monitoring program for the waste management units are proposed.

5.2 Corrective Measures Performance

GM's approach for achieving its corrective action goals for the Moraine facilities is based on a combination of corrective measures (in-situ treatment and hydraulic control) designed to reduce existing plume concentrations thereby achieving plume reduction and migration control.

5.2.1 In-Situ Treatment

Groundwater quality monitoring at and downgradient of the reductive dechlorination treatment zones indicates that this in-situ treatment program has been effective at reducing VOC concentrations in groundwater. As observed during the 2008 monitoring, the upper aquifer conditions in the areas downgradient of the in-situ reactive zones have been converted to more reducing conditions through the

introduction of a carbon source, as evidenced by the changes in field and bioattenuation indicator parameters. Further, the VOC results indicate that the target compounds (PCE and TCE) have been effectively reduced to daughter products (cis-1,2-DCE and vinyl chloride) and ultimately to ethene and ethane.

In general, the process of enhanced reductive dechlorination at this site has been successful in achieving a reduction of VOC concentrations. Based on the data collected in 2008 as part of the site-wide groundwater monitoring program, GM does not believe that additional modifications to the RZs will be necessary at this time; however, GM will evaluate if modifications to the current RZs are needed based on water quality and performance monitoring data.

5.2.2 Hydraulic Control

Groundwater elevation monitoring indicates that the capture zone corrective measures continue to be effective at maintaining hydraulic control in both the upper and lower aquifers in the southern area of the former Delphi Thermal Moraine. Additionally, the observed flow conditions are consistent with the conditions predicted by the capture zone modeling performed in developing the corrective measures pumping plan, which confirms the continued utility of the groundwater flow model as a predictive tool.

Based on the effective performance of the pumping program during the 2008 monitoring and exceedences of RTLs at the Former Oil House Area and in Zones S1 to S2, S2, S2 to S3, S3, S3 to GM-10/-52, GM-10/-52, Zone GM-40/-41/-54, GM-42, Zone D1, Zone D2, and POC monitoring points in the deep aquifer (GM-11, GM-15, GM-20D), no changes to the hydraulic control component of the ongoing corrective measures are proposed at this time.

GM's ongoing groundwater monitoring program includes the assessment of changes in site-specific VOCs in both the upper and lower aquifers at locations upgradient of the GM Moraine facilities, as well as on-site and downgradient of the facilities. Data collected from upper and lower aquifer wells located upgradient of the facilities confirms that upgradient sources of VOCs, not related to GM operations, continue to exist in the local area. Notwithstanding these upgradient contributions of VOCs to on-site groundwater, the monitoring data indicate a site-wide decrease in VOC concentrations since the baseline sampling event conducted in 1999, other than areas to be addressed as proposed in the CMP. In addition, VOC concentrations at the current off-site downgradient upper aquifer POC well GM-26 remained below drinking water criteria. Concentrations of TCE remained above the drinking water criterion in

downgradient lower aquifer wells GM-11, GM-15 and GM-20D, however, groundwater downgradient of these wells is contained by the lower aquifer capture zone well DN-13.

The overall decreasing concentrations in the wells downgradient of the site since the corrective measures were first implemented is likely attributable to the combined effects of corrective measures pumping at TW-2 which began in January 1996, pumping at DN-13, and on-going enhanced natural attenuation of the VOCs. However, concentrations in the monitoring zones immediately upgradient of the upper aquifer POC (GM-26), as well as concentrations at the lower aquifer POC wells remain above the RTLs. Therefore, active corrective measures are still required to achieve the corrective action objectives presented in the CMP.

Based on the evaluation of the site-wide groundwater quality, both the in-situ treatment and hydraulic control components of the corrective action program will be continued.

5.3 Reassessment of Site-Wide Groundwater Monitoring Program

In accordance with the Site-Wide Groundwater Monitoring Plan (ARCADIS G&M, Inc. 2002), groundwater monitoring was conducted in 2008 to evaluate groundwater quality upgradient and downgradient of the closed lagoons and landfills, performance of the in-situ reactive zones, and performance of the capture zones. Based on the data collected during the 2008 monitoring period, GM believes that the monitoring program has provided sufficient data for a comprehensive evaluation of the current corrective action objectives. To reassess the monitoring program in support of the proposed final corrective measures, GM recommends the following:

- A proposed revised site-wide groundwater monitoring program for 2009 is presented in Table 21. Table 21 reflects a reduced list of wells based on an evaluation of data trends observed at each monitor well since 1999. The rationale for reducing the list is presented on Table 21. The groundwater monitoring for 2009 will focus primarily on the required wells needed to support evaluation of the land-based waste management units, IRZ performance monitoring, capture zone monitoring, and POC monitoring. For those wells that are not retained in 2009, they will be sampled every 5 years or until the time the groundwater monitoring program is revised for the final site-wide corrective measures when the CMP is finalized.

- As part of the corrective measures design plan, GM will use the updated groundwater flow model to develop new RTLs, as appropriate at the time the

corrective measure design plan is prepared. These updated RTLs will serve to evaluate groundwater data collected as part of final corrective measures performance monitoring.

- GM will present future revisions to the site-wide groundwater monitoring program in support of the final site-wide corrective measures when the CMP is finalized.

6. References

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Table 1. Site-Wide Groundwater Monitoring Events in 2008, General Motors Corporation, Moraine, Ohio.

November 2008 Site-Wide Groundwater and Surface Water Elevations

Groundwater and surface water elevations were measured on November 17-18, 2008.

September-October 2008 Site-Wide Annual Groundwater Sampling

Site-specific list of VOCs(1) and field parameters(2) were analyzed during September 22 to October 23, 2008 from the following upper aquifer monitoring wells. Biogeochemical parameters(3) and additional parameters(4) were analyzed at select wells identified below:

W-2-N	W-2-S	GM-10	GM-28(3)	GM-52
W-3-N	W-3-S	GM-16	GM-29(3)	GM-55
W-4-N	W-4-S(3)	GM-17	GM-30(3)	GM-59(3)
HR-1	TW-2	GM-18	GM-31(3)	GM-60(3)
HR-2	ME-3(3)	GM-19S(3,4)	GM-32(3)	GM-63(3)
HR-3	ME-6(3)	GM-21(3)	GM-33	GM-64(3)
HR-4	WSU-24	GM-22(3)	GM-35(4)	GM-65S
HR-5	GM-2	GM-23(3)	GM-47(3)	GM-75S(3)
HR-9	GM-6(3)	GM-26	GM-50(3)	GM-78
HR-11	GM-8(3)	GM-27	GM-51	GM-79
HR-17				GM-80

Site-specific list of VOCs(1) were analyzed during September 22 to October 23, 2008 from the following list of lower aquifer monitoring wells:

HR-10	GM-3	GM-20D	GM-54	GM-82
HR-12	GM-9	GM-39	GM-58	GM-83D
HR-15	GM-11	GM-40	GM-61	GM-84
DN-13	GM-15	GM-41	GM-68D	
GM-1	GM-19D	GM-42	GM-75D	

1. Site-specific list of VOCs includes: benzene, 1,1-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, ethylbenzene, tetrachloroethene, toluene, 1,1,1-trichloroethane, trichloroethene, vinyl chloride, and xylenes.

2. Field parameters include: pH, specific conductivity, dissolved oxygen, oxidation reduction potential, and temperature.

3. Biogeochemical parameters include: manganese (total and dissolved), iron (total and dissolved), sulfate, sulfide, total organic carbon, chlorides, ethane, ethene, and methane.

4. Additional parameters include: metals (antimony, cadmium, chromium), semi-volatile organic compounds (benzo(a)anthracene, benzo(b)fluoranthene) and, polychlorinated biphenyls.

DN-13 Monthly Groundwater Sampling

Appendix IX VOCs and cis-1,2-DCE were analyzed during these monthly sampling events from DN-13.

Table 1. Site-Wide Groundwater Monitoring Events in 2008, General Motors Corporation, Moraine, Ohio.

Air Stripper Tower Influent and Effluent Monthly Groundwater Sampling

Benzene, chloroethane, 1,1-dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, ethylbenzene, tetrachloroethene, toluene, 1,1,1-trichloroethane, trichloroethene, vinyl chloride, and xylenes were analyzed during the influent sampling events from the air stripper tower by EPA Method 8260B. The stripping tower effluent sample was analyzed for oil and grease and the following list of VOCs: benzene, chloroethane, 1,1-dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, ethylbenzene, tetrachloroethene, toluene, 1,1,1-trichloroethane, trichloroethene, vinyl chloride, and xylenes. The effluent sample was analyzed by EPA Methods 8260B and 624 (drinking water standard).

RZ Performance Sampling

The following events were performed in 2008:

The following wells were sampled on March 4 and 6, 2008 for site-specific list of VOCs(1), TOC, ethane, ethene, methane, and field parameters(2): GM-8, GM-19S, GM-21, GM-28, GM-29, GM-32, GM-63, GM-64 and W-4-S;

The following wells were sampled on June 2-3, 2008 for site-specific list of VOCs(1), TOC, ethane, ethene, methane, and field parameters(2): GM-8, GM-19S, GM-21, GM-28, GM-29, GM-32, GM-63, and GM-64.

The following wells were sampled on September 3-4, 2008 for site-specific list of VOCs(1), TOC, ethane, ethene, methane, and field parameters(2): GM-8, GM-19S, GM-21, GM-28, GM-29, GM-32, GM-63, and GM-64.

Parameter	Analytical Method
Site-specific list of VOCs	EPA Method 8260B/EPA Method 624
Manganese, total and dissolved	EPA Method 6010B
Iron, total and dissolved	EPA Method 6010B
Sulfate	SM 375.4
Sulfide	SM 376.1
Total Organic Carbon	SM 415.1
Chlorides	SM 325.2
Ethane, Ethene, Methane	Method AM18G
Metals	EPA Method 6010B
SVOCs	EPA Method 8270
PCBs	EPA Method 8082

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Table 2. Influent Monitoring of the Air Stripper Tower for 2008, General Motors Corporation, Moraine, Ohio.

Constituent	Units	1/7/08	2/13/08	3/3/08	4/3/08	5/9/08	6/5/08	7/9/08	8/11/08	9/12/08	10/7/08	11/7/08	12/1/08
Oil & Grease[1]	mg/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	2.1 B	< 5 U	1.3 B	< 5 U	< 5 U	< 5 U
VOCs[2]													
Benzene	ug/L	< 5 U	1.2	1.5	1.3	1.6	1.4	1.2	1.4	1.5	1.5	1.7	1.5
Chloroethane	ug/L	8.3	6.1	9.9	6.6	8.6	13	7.7	11	8.8	8.6	8.7	6.6
1,1-Dichloroethane	ug/L	8.4	11	8.2	5.4	2.9	3.6	2	1.9	1.8	2	2.5	3.7
cis-1,2-Dichloroethene	ug/L	11	11	11	27	13	9.9	8.1	7	5.2	4.9	4.3	4.8
trans-1,2-Dichloroethene	ug/L	< 5 U	0.64 J	0.7 J	0.62 J	0.48 J	0.52 J	0.38 J	0.34 J	0.32 J	0.34 J	0.38 J	0.53 J
Ethylbenzene	ug/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	0.64 J	1.4	1.1	0.76 J	0.57 J	0.46 J	0.46 J
Tetrachloroethene	ug/L	3.8 J	2.8	3.1	2.9	2.2	2.2	1.6	1.6	1.5	1.4	1.4	1.6
Toluene	ug/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	0.29 J	0.51 J B	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	ug/L	< 5 U	< 1 U	< 1 U	0.26 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	11	7.3	10	14	7.5	9.4	8.4	8.3	7.4	7.4	5.7	6.8
Vinyl chloride	ug/L	2.5 J	2.7	2.7	3.1	2.6	2.5	1.4	1.5	0.99 J	1	1.2	1.3
Xylenes	ug/L	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	0.33 J	1.7 J B	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Total VOCs	ug/L	45.0	42.74	47.1	61.18	38.88	43.78	34.39	34.14	28.27	27.71	26.34	27.29

1 Analytical method for oil & grease is EPA 1664A.
2 Analytical method for VOC analysis is SW-846 Method 8260B.
VOC concentrations in micrograms per liter (ug/L) and Oil & Grease concentrations in milligrams per liter (mg/L) as reported by the laboratory.
J Estimated result. Result is less than reporting limit.
B Method blank contamination.

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Table 3. NPDES Permit Effluent Monitoring of the Air Stripper Tower for 2008, General Motors Corporation, Moraine, Ohio.

Constituent	Units	Permit Limit	1/7/08	2/13/08	3/3/08	4/3/08	5/9/08	6/5/08	7/9/08	8/11/08	9/12/08	10/7/08	11/7/08	12/1/08
Oil & Grease[1]	mg/L	10	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	2 B	< 5 U	< 5 U	1.4 B J	1.7 B	< 5 U
VOCs[3]														
Benzene	ug/L	10	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.29 J
Chloroethane	ug/L	10	< 1 U	< 1 U	0.78 J	< 1 U	0.71 J	0.91 J	0.76 J	< 1 U	0.42 J	0.53 J	0.94 J	0.77 J
1,1-Dichloroethane	ug/L	10	< 1 U	0.43 J	0.44 J	0.24 J	0.35 J	0.36 J	0.34 J	< 1 U	< 1 U	< 1 U	0.40 J	0.68 J
cis-1,2-Dichloroethene	ug/L	10	0.26 J	0.58 J	0.75 J	1.3	1.7	1.1	1.5	0.49 J	0.46 J	0.59 J	0.83 J	1.0
trans-1,2-Dichloroethene	ug/L	10	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/L	10	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	10	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	ug/L	10	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.46 J B	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	ug/L	10	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	10	< 1 U	< 1 U	0.44 J	0.54 J	0.77 J	0.78 J	1.1	0.43 J	0.46 J	0.54 J	0.78 J	0.91 J
Vinyl Chloride	ug/L	10	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylenes	ug/L	10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	0.98 J B	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U

mg/L Milligrams per Liter.
ug/L Micrograms per Liter.
1 Analytical method for oil & grease is EPA 1664A.
2 Analytical method for pH is EPA 150.1.
3 Analytical method for volatile organic compounds (VOCs) is SW-846 Method 8260B.
VOC concentrations in micrograms per liter (ug/L) and Oil & Grease concentrations in milligrams per liter (mg/L) as reported by the laboratory
J Estimated result. Result is less than reporting limit.
B Method blank contamination.

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Table 4. DN-13 Monthly Monitoring for 2008, General Motors Corporation, Moraine, Ohio.

Volatile Organic Compound[1]	Units	1/7/08	2/13/08	3/3/08	4/3/08	5/9/08	6/5/08	7/9/08	8/11/08	9/12/08	10/7/08	11/7/08	12/1/08
1,1,1,2-Tetrachloroethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.57 J	0.68 J	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	1.9	2.1	2.3	2	2	2	1.8	1.7	1.7	1.6	2.0	2.0
1,1-Dichloroethene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dibromoethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
2-Butanone	ug/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Hexanone	ug/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Methyl-2-Pentanone	ug/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetone	ug/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetonitrile	ug/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Acrolein	ug/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Acrylonitrile	ug/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Allyl chloride	ug/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Benzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon tetrachloride	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

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Table 4. DN-13 Monthly Monitoring for 2008, General Motors Corporation, Moraine, Ohio.

Volatile Organic Compound[1]	Units	1/7/08	2/13/08	3/3/08	4/3/08	5/9/08	6/5/08	7/9/08	8/11/08	9/12/08	10/7/08	11/7/08	12/1/08
Chloroprene	ug/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	ug/L	7	7	7.3	6.6	6.9	6.8	6.7	6	6.4	6.6	7.0	7.5
cis-1,3-Dichloropropene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromomethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethyl methacrylate	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Iodomethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Isobutyl alcohol	ug/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Methyl acrylonitrile	ug/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methyl methacrylate	ug/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Propionitrile	ug/L	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Styrene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.40 J	0.50 J	< 1 U
trans-1,3-Dichloropropene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	4.1	3.6	4.3	4.2	4.3	4.5	4.7	4.7	5	4.7	4.7	5.6
Trichlorofluoromethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl acetate	ug/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vinyl chloride	ug/L	2.2	1.9	2.4	1.5	1.9	1.6	1.4	1.4	1.4	1.5	2.0	1.8
Xylene (total)	ug/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Total VOCs	**ug/L**	**15.2**	**14.6**	**16.3**	**14.3**	**15.1**	**14.9**	**14.6**	**13.8**	**14.5**	**15.37**	**16.88**	**16.9**

1 Analytical method for VOC analysis is SW-846 Method 8260B.
All concentrations in micrograms per liter (ug/L) as reported by the laboratory.
< - Value below laboratory reporting limits.

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Table 5. Monitoring Well Construction Details, General Motors Corporation, Moraine, Ohio.

Well	Surface Elevation ft msl	TOC Elevation ft msl	Well Diameter inches	Screened Interval ft bls	Screened Interval ft bls	Screened Interval ft msl	Screened Interval ft msl	Borehole Depth ft bls	Site Coordinates Northing, y	Site Coordinates Easting, x	State Plane Coordinates Northing, y	State Plane Coordinates Easting, x	Geologic Modifiers
Upper Aquifer Wells													
W-1-N	737.61	739.02	4	35	70	703	668	70	6618	5037	625116.2043	1483946.9943	UA:TT
W-2-N	729.68	731.68	4	35	60	695	670	60	5264	4744	623865.9104	1483351.6742	UA
W-3-N	731.98	733.66	4	32	57	700	675	57	5157	5032	623695.8796	1483607.3111	UA
W-4-N	729.88	731.63	4	40	65	690	665	65	5157	5224	623651.9134	1483795.0108	UA:TT
HR-1	730.10	732.71	2	47	57	683	673	57	3420	5205	621967.7490	1483378.1275	UA:TT
HR-2	732.62	734.75	2	47	57	686	676	58	5209	5455	623649.3090	1484030.9226	UA:TT
HR-3	734.31	736.75	2	50	60	684	674	61	5211	5648	623612.1403	1484238.0984	UA:TT
HR-4	740.61	742.60	2	55	65	686	676	67	6111	5214	624582.0074	1484003.5860	UA:TT
HR-5	730.95	734.27	2	44	54	687	677	59	4760	4985	623354.8172	1483478.6541	UA:TT
HR-6	730.18	732.66	2	43	53	687	677	59	4009	4985	622588.6622	1483298.8965	UA:TT
HR-7	731.00	731.73	2	47	57	684	674	58	4743	4678	623373.8266	1483168.5266	UA:TT
HR-8	740.84	743.42	2	54	64	687	677	76	6819	5626	625177.0505	1484566.7534	UA
HR-9	741.00	743.51	2	58	68	683	673	75	7669	5508	626071.2019	1484648.1158	UA
HR-11	740.90	743.33	2	60	70	681	671	75	7313	6207	625682.4858	1485262.9762	UA
HR-16	724.60	727.01	4	42	62	683	663	70	2354	4198	621167.6648	1482171.8435	UA:TT
HR-17	725.40	726.43	4	27	47	698	678	56	2457	4776	621128.4488	1482780.5158	UA:TT
W-1-S	728.23	729.29	4	25	60	703	668	60	2777	4958	621396.0291	1482990.4046	UA:TT
W-2-S	725.01	726.64	4	30	65	695	660	65	1786	4207	620618.7813	1482078.7622	UA:TT
W-3-S	NM	729.17	4	36	76	NA	NA	76	1678	4386	620466.6686	1482207.4451	UA
W-4-S	726.66	727.92	4	30	70	697	657	70	1671	4785	620394.9579	1482564.2035	UA
GM-2	NM	735.81	2	45	55	NA	NA	55	1102	5803	619586.2208	1483427.9998	UA
4S	NM	731.36	4	30	65	NA	NA	65	1071	5564	619578.3226	1483129.6378	UA
GM-6	NM	730.27	2	35	45	NA	NA	45	1042	5306	619627.6172	1482930.9571	UA:TT
GM-8	735.17	735.17	2	40	50	695	685	50	1283	5285	619866.4552	1482965.5535	UA:TT
GM-10	NM	723.90	2	40	50	NA	NA	50	162	5258	618762.6410	1482667.7306	UA:TT
GM-16	NM	725.30	2	48	58	NA	NA	58	652	4566	619420.5576	1482149.1466	UA
GM-17	NM	723.84	2	40	50	NA	NA	50	672	5174	619311.8761	1482697.0210	UA:TT
GM-18	NM	723.80	2	45	55	NA	NA	55	583	4993	619229.5883	1482505.4542	UA
GM-19S	NM	730.92	2	47	57	NA	NA	57	1767	5274	620339.5683	1483017.2551	UA:TT
GM-21	725.36	725.00	2	45	55	680	670	55	1519	6052	619920.5937	1483764.5951	UA:TT
GM-22	731.84	731.63	2	44	54	688	678	54	2531	6285	620840.4209	1484226.5683	UA:TT
GM-23	NM	731.07	2	24	34	NA	NA	34	5393	6018	623699.2336	1484619.9213	UA:TUT
GM-24	747.61	747.29	2	58	68	690	680	70	8122	7812	625945.0802	1486991.6971	UA

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Table 5. Monitoring Well Construction Details, General Motors Corporation, Moraine, Ohio.

Well	Surface Elevation ft msl	TOC Elevation ft msl	Well Diameter inches	Screened Interval ft bls	Screened Interval ft bls	Screened Interval ft msl	Screened Interval ft msl	Borehole Depth ft bls	Site Coordinates Northing, y	Site Coordinates Easting, x	State Plane Coordinates Northing, y	State Plane Coordinates Easting, x	Geologic Modifiers
Upper Aquifer Wells													
GM-25	747.05	746.17	2	48	58	699	689	58	4930	8170	622786.2705	1486599.6865	UA:TT
GM-26	722.29	722.29	2	50	60	672	662	60	-988	4961	617729.9788	1482129.0695	UA
GM-27	731.03	730.57	2	40	50	691	681	58	5393	6029	623696.6136	1484630.7659	UA:TT
GM-28	NM	736.46	2	22	32	NA	NA	32	5041	5916	623392.3799	1484436.8617	UA:TUT
GM-29	731.31	731.37	2	28	38	703	693	38	5209	5974	623534.4471	1484535.0727	UA:TUT
GM-30[(1)]	NM	734.79	2	28	38	NA	NA	38	5559	5970	623876.3465	1484609.5933	UA:TUT
GM-31[(1)]	732.05	732.13	2	51	61	681	671	62	2939	5914	621336.9337	1483965.1322	UA:TT
GM-32	732.47	732.08	2	51	61	681	671	61	3486	6070	620114.2493	1483379.9656	UA:TT
GM-33	730.30	729.77	2	48	58	682	672	58	2278	5762	620761.9955	1483714.2282	UA:TT
GM-34	731.06	730.56	2	26	36	705	695	36	2278	5770	620753.8480	1483727.5719	UA:WT
GM-35	731.56	731.27	2	57	67	675	665	70	1750	5510	620389.3810	1483279.5201	UA:TT
GM-36	731.44	731.11	2	25	35	706	696	35	1755	5551	620383.2312	1483300.8386	UA:WT
GM-37	730.36	730.05	2	46	56	684	674	56	1857	5696	620407.3595	1483456.0282	UA:TT
GM-38	730.31	729.88	2	24	34	706	696	34	1858	5686	620403.1387	1483471.6479	UA:WT
GM-43	729.41	729.00	2	40	50	NA	NA	54	3655	5211	622192.2046	1483441.3723	UA:TT
GM-44	729.30	728.77	2	51	61	NA	NA	62	3137	5217	621686.3425	1483331.5124	UA:TT
GM-45	730.03	729.75	2	50	60	NA	NA	60	2853	5217	621409.1769	1483266.9285	UA:TT
GM-46	728.13	727.79	2	19.8	29.8	708	698	29.8	5130	6257	623393.7601	1484777.0271	UA:TUT
GM-47	727.03	726.75	2	49.4	59.4	678	668	59.4	1312	4776	620060.6143	1482479.3608	UA:TT
GM-48	728.98	728.67	2	63.2	73.2	666	656	73.2	610	4200	619488.4287	1481740.8154	UA:TT
GM-49	728.28	727.88	2	66.9	76.9	661	651	76.9	-222	4383	618643.7266	1481742.8231	UA:TT
GM-50	727.03	726.56	2	29.7	39.7	697	687	39.7	1312	4773	620065.0482	1482445.8840	UA:WT
GM-51	728.82	728.30	2	34.3	44.3	695	685	44.3	614	4198	619465.2399	1481753.1472	UA:WT
GM-52	728.16	727.62	2	34	44	694	684	44	-226	4383	618604.5296	1481740.7235	UA:WT
GM-53	730.53	730.35	2	23	33	708	698	33	2999	6824	621184.8324	1484855.6876	UA:TT
GM-55	719.90	719.86	2	25	35	695	685	35	-646	5202	618008.2839	1482441.5719	UA:WT
GM-57	719.41	721.74	2	25	35	694	684	35	-993	4966	617724.0851	1482132.1351	UA:WT
GM-59	732.46	732.25	2	25	35	707	697	35	4501	6323	622761.5281	1484712.7729	UA:WT
GM-60	732.46	732.24	2	42	52	690	680	52	4501	6324	622761.3002	1484712.7809	UA:TT
GM-62	722.17	722.11	2	50	60	672	662	60	-189	5443	618397.3774	1482818.1330	UA
GM-63	726.21	725.79	2	30	40	696	686	40	1625	4919	620283.7218	1482686.3290	UA:WT
GM-64	726.38	725.95	2	50	60	676	666	60	1625	4914	620284.6106	1482681.2885	UA:TT

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Table 5. Monitoring Well Construction Details, General Motors Corporation, Moraine, Ohio.

	Surface Elevation	TOC Elevation	Well Diameter	Screened Interval				Borehole Depth	Site Coordinates		State Plane Coordinates		Geologic
Well	ft msl	ft msl	inches	ft bls	ft bls	ft msl	ft msl	ft bls	Northing, y	Easting, x	Northing, y	Easting, x	Modifiers
Upper Aquifer Wells													
GM-65S	723.94	723.58	2	42	52	682	672	52	-1488	4312	617392.2259	1481382.4271	UA
GM-66	733.50	733.22	2	45	55	688	678	57	4377	5714	622780.3860	1484091.5572	UA:TT
GM-67S	732.54	732.06	2	44	54	689	679	54	4744	6096	623050.0533	1484547.2174	UA:TT
GM-68S	732.48	732.18	2	39.5	49.5	693	683	49.5	4064	6358	622326.2125	1484652.8528	UA:TT
GM-71	737.19	736.82	2	21	31	716	706	37	4494	6849	622633.7567	1485222.9070	UA:TUT
GM-72	737.05	736.78	2	52	62	685	675	67	4496	6861	622633.7567	1485233.9320	UA:TT
GM-74S	732.52	732.17	2	40	50	693	683	50	4198	6417	622444.5430	1484733.8601	UA:TT
GM-75S	738.26	737.69	2	42	52	696	686	52	4605	6635	622790.6745	1485039.3503	UA:TT
GM-76S	739.49	739.00	2	27	37	712	702	37	5396	6730	623538.7809	1485313.4176	UA:TT
GM-77S	741.49	741.14	2	33	43	708	698	43	3618	7743	621576.9342	1485892.0315	UA:TT
GM-78	721.58	721.18	2	40	50	682	672	70	-267	5723	618257.5787	1483035.5947	UA
GM-79	718.54	717.91	2	45	55	674	664	60	-29	3623	618970.9862	1481045.8893	UA:TT
GM-80	716.23	715.82	2	15	25	701	691	25	-1046	3753	617951.2997	1480939.3277	UA:WT
GM-81	715.8	715.31	2	50	60	666	656	90	-1063	3752	617934.8895	1480934.7439	UA
GM-83S	726.44	725.84	2	44	54	682	672	54	3718	3837	622568.7465	1482112.9569	UA:TT
EAST	NM	730.98	2	NA	NA	NA	NA	71	2120	5818	620545.6947	1483674.2190	UA:TT
WEST	NM	731.08	2	NA	NA	NA	NA	52	2004	5463	620509.6228	1483299.0985	UA:TT
WSU-17	726.93	726.18	2	11.69	66.9	715.2	659.3	67	970	5279	619558.2279	1482898.5384	UA:TT
WSU-18	734.18	733.52	2	29.2	69.2	705.0	664.3	69	1004	5458	619554.9290	1483096.6469	UA:TT
WSU-19	727.28	726.62	2	33.4	63.4	693.9	663.2	63	1182	5212	619736.8872	1482880.3995	UA:TT
WSU-22	726.21	726.49	2	NA	NA	NA	NA	52	1625	4917	620311.4363	1482687.2293	UA:TT
WSU-23	724.65	724.90	2	NA	NA	NA	NA	58	1535	4204	620381.0854	1481978.6336	UA:TT
WSU-24	725.10	724.82	2	NA	NA	NA	NA	66	574	5663	619124.1425	1483169.1107	UA:TT
TW-2	NM	733.38	10	35	45	NA	NA	45	1027	5337	619568.4036	1482942.6663	UA:TT
ME-2(1)	732.38	732.08	2	27	37	705	695	37	2945	5973	621327.2669	1484014.6258	UA:WT
ME-3(1)	732.23	731.73	2	29	39	703	693	39	2897	5938	621288.3532	1483969.5620	UA:WT
ME-4(1)	732.05	732.24	2	26	36	706	696	36	2925	5914	621321.4422	1483952.3693	UA:WT
ME-6(1)	733.09	732.68	2	29	39	704	694	39	3325	5927	621706.9517	1484057.0461	UA:WT
MW-1(2)	713.60	715.53	2	61.2	71.2	652	642	71.7	2164	2247	621420.6144	1480209.1127	UA:TT
MW-4(2)	707.45	707.19	2	19.6	39.6	688	668	40	-653	692	619035.3250	1478050.0733	UA
MW-5(2)	709.59	709.34	2	22.5	42.5	687	667	43	-682	1646	618787.9839	1478971.6197	UA
MW-9(2)	713.16	712.85	2	63	73	650	640	73.5	-2309	1798	617169.4849	1478747.1452	UA
Lower Aquifer Wells													
GM-1	NM	735.74	2	90	100	NA	NA	100	1087	5803	619570.7118	1483421.8130	LA
GM-3	NM	730.44	2	90	100	NA	NA	100	1023	5309	619621.9727	1482926.3542	LA
GM-4	NM	731.46	2	140	150	NA	NA	150	1010	5322	619602.7099	1482922.7333	LA
GM-5	NM	731.29	2	90	100	NA	NA	100	1037	5512	619588.6213	1483126.6107	LA

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Table 5. Monitoring Well Construction Details, General Motors Corporation, Moraine, Ohio.

Well	Surface Elevation ft msl	TOC Elevation ft msl	Well Diameter inches	Screened Interval ft bls	Screened Interval ft bls	Screened Interval ft msl	Screened Interval ft msl	Borehole Depth ft bls	Site Coordinates Northing, y	Site Coordinates Easting, x	State Plane Coordinates Northing, y	State Plane Coordinates Easting, x	Geologic Modifiers
Lower Aquifer Wells													
GM-7R	NM	735.61	2	80	90	NA	NA	91	1247	5295	619863.8298	1482962.1340	LA
GM-9	NM	724.07	2	90	100	NA	NA	100	146	5247	618771.8670	1482674.1902	LA
GM-11	NM	723.71	2	90	100	NA	NA	100	679	5164	619318.6270	1482694.0524	LA
GM-13	NM	723.82	2	90	100	NA	NA	100	566	4990	619239.1943	1482501.6168	LA
GM-14	NM	723.50	2	140	150	NA	NA	150	611	5030	619244.0886	1482515.5184	LA
GM-15	NM	725.23	2	90	100	NA	NA	100	664	4581	619427.7004	1482156.5128	LA
GM-19D	NM	730.73	4	145	150	NA	NA	150	1775	5298	620339.8625	1483063.5273	LA
GM-20D	NM	727.26	4	87	92	NA	NA	92	619	5699	619177.7271	1483236.8889	LA
GM-39	731.15	730.95	2	106	116	625	615	116	5396	6006	623705.5364	1484609.0626	LA
GM-40	727.28	727.04	2	140	150	587	577	150	3089	4984	621693.8055	1483084.8121	LA
GM-41	731.22	733.65	2	104	114	627	617	114	3430	6684	621635.7801	1484818.4021	LA
GM-42	729.48	729.16	2	140	150	589	579	150	2338	5651	620810.1968	1483562.5296	LA
GM-54	730.51	730.29	2	70	80	661	651	80	2995	6818	621182.1891	1484848.6752	LA
GM-56	719.75	719.52	2	75	85	645	635	85	-646	5209	618006.1752	1482448.5647	LA:NTP
GM-58	735.59	735.46	2	72	82	664	654	82	3451	7183	621541.9882	1485308.7468	LA:BT
GM-61	732.48	732.23	2	70	80	662	652	80	4501	6318	622762.6947	1484707.4691	LA:BT
GM-65D	723.83	723.54	2	85	95	639	629	108	-1491	4311	617389.5183	1481380.4746	LA:NTP
GM-67D	732.64	732.19	2	70	80	663	653	121	4744	6082	623053.5624	1484533.4779	LA:BT
GM-68D	732.46	732.27	2	64	74	668	658	150	4064	6358	622327.5383	1484645.8862	LA:BT
GM-69	732.42	732.08	2	90	100	642	632	140	3022	6352	621314.8199	1484401.6371	LA
GM-70	737.47	737.19	2	72	82	665	655	120	3887	7283	621944.0370	1485505.8829	LA
GM-73	737.34	736.97	2	85	95	652	642	120	4495	6843	622635.9765	1485216.5022	LA
GM-74D	732.49	732.04	2	69	79	663	653	120	4203	6417	622450.0123	1484735.6502	LA:BT
GM-75D	738.13	737.68	2	85	95	653	643	120	4604	6623	622793.2406	1485027.5873	LA
GM-76D	739.48	738.94	2	70	80	669	659	120	5392	6730	623535.2043	1485312.4245	LA:BT
GM-77D	741.52	740.93	2	75	85	667	657	100	3615	7741	621574.4283	1485889.3662	LA:BT
GM-82	732.55	732.14	2	85	95	648	638	119.5	3640	6107	621972.7146	1484304.7894	LA
GM-83D	726.41	725.77	2	110	120	616	606	120	3719	3844	622568.1953	1482120.4685	LA
GM-84	740.44	739.92	2	96.5	106.5	644	634	120	2580	7606	620619.4561	1485522.1487	LA:BT
HR-10	740.90	742.81	4	115	125	626	616	125	7686	5492	626078.4125	1484653.5358	LA:NTP
HR-12	741.00	742.64	4	120	130	621	611	130	7333	6194	625702.3993	1485250.0490	LA
HR-13	733.20	735.03	4	75	85	658	648	85	5221	5665	623616.8315	1484215.3411	LA:BT
HR-14	729.90	731.63	4	78	88	652	642	88	5178	5209	623675.4267	1483782.2839	LA
HR-15	732.10	733.74	4	88	98	644	634	98	5161	5020	623712.7941	1483595.9072	LA
M73C	NM	716.55	NA	NA	NA	NA	NA	NA	180	4539	618973.2537	1482114.3309	LA
MT69	719.84	722.71	8	NA	NA	NA	NA	158	-988	5020	617749.1907	1482121.3945	LA
MT576M	750.00	751.46	5	NA	NA	NA	NA	114	4804	9620	622940.2909	1487799.4686	LA

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Table 5. Monitoring Well Construction Details, General Motors Corporation, Moraine, Ohio.

Well	Surface Elevation ft msl	TOC Elevation ft msl	Well Diameter inches	Screened Interval ft bls	Screened Interval ft bls	Screened Interval ft msl	Screened Interval ft msl	Borehole Depth ft bls	Site Coordinates Northing, y	Site Coordinates Easting, x	State Plane Coordinates Northing, y	State Plane Coordinates Easting, x	Geologic Modifiers
Lower Aquifer Wells													
MT596M*	759.18	757.73	5	NA	NA	NA	NA	89	6438	10644	624057.1091	1488849.1418	LA
DN-13	724.09	727.54	20	110	170	614	554	170	470	4760	619196.1959	1482267.5426	LA
11B	744.5	742.56	NA	NA	NA	NA	NA	158	4501	7456	622501.4801	1485799.6814	LA
12A	740.86	742.39	18	104	144	637	597	154	4787	7510	622804.0361	1485951.2100	LA
A	NM	739	20	155	205	NA	NA	205	6045	6056	624325.4108	1484805.7949	LA
31	NM	734.05	20	90	122	NA	NA	122	5521	6422	623727.4107	1485049.2752	LA
34	NM	733.46	20	107	140	NA	NA	140	4004	6754	622178.4664	1485017.7925	LA
39	NM	732.07	20	117	142	NA	NA	145	5263	6435	623442.4628	1484987.5777	LA
FW-1A	NM	739.89	24	105	166	NA	NA	169	7344	7069	625357.5160	1486090.3366	LA
FW-2	NM	737.48	20	NA	150	NA	NA	160	4470	7259	622516.4369	1485616.6642	LA
FW-3	NM	739.26	20	NA	141	NA	NA	200	4476	6593	622675.0394	1484968.9430	LA
FW-4	NM	731.62	14	NA	136	NA	NA	160	2316	6453	620605.0473	1484338.1137	LA

TOC - Top of Casing. NA - Not Available.
ft msl - Feet Above Mean Sea Level. NM - Not Measured.
ft bls - Feet Below Land Surface.
(1) - Depth of screened interval and total well depth have been modified from the well log due to site construction.
(2) - City of Moraine Monitoring Wells.
* Measuring point is top of cement housing.
Site coordinates based on site-specific benchmarks.
State plane coordinates in NAD 83 Ohio South.
UA - Upper Aquifer.
LA - Lower Aquifer.
TT - Top of Till (regional clay till).
TUT - Top of Upper Till (upper clay till).
BT - Below Till (regional clay till).
WT - Water Table (screened across the watertable interface).
NTP - No Till Present.

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Table 6. Groundwater Level Measurements Collected During November 17-18, 2008, General Motors Corporation, Moraine, Ohio.

Well	Measuring Point Elevation	Depth-to-Water (feet)	Groundwater Elevation (AMSL)
Upper Aquifer Wells			
W-1-N	739.02	30.90	708.12
W-2-N	731.68	24.08	707.60
W-3-N	733.66	26.13	707.53
W-4-N	731.63	24.06	707.57
HR-1	732.71	26.48	706.23
HR-2	734.75	27.09	707.66
HR-3	736.75	29.12	707.63
HR-4	742.60	35.52	707.08
HR-5	734.27	27.06	707.21
HR-6	732.66	26.06	706.60
HR-7	731.73	25.51	706.22
HR-8	743.42	35.10	708.32
HR-9	743.51	34.80	708.71
HR-11	743.33	34.54	708.79
HR-16	727.01	21.32	705.69
HR-17	726.43	20.50	705.93
W-1-S	729.29	23.07	706.22
W-2-S	726.64	21.58	705.06
W-3-S	729.17	24.80	704.37
W-4-S	727.92	22.58	705.34
GM-2	735.81	30.58	705.23
4S	731.36	26.48	704.88
GM-6	730.27	25.70	704.57
GM-8	735.17	30.42	704.75
GM-10	723.90	19.61	704.29
GM-16	725.30	20.85	704.45
GM-17	723.84	19.31	704.53
GM-18	723.80	19.37	704.43
GM-19S	730.92	25.34	705.58
GM-21	725.00	19.50	705.50
GM-22	731.63	25.21	706.42
GM-23	731.07	23.20	707.87
GM-24	747.29	37.83	709.46
GM-25	746.17	37.88	708.29
GM-26	722.29	18.57	703.72
GM-27	730.57	22.76	707.81
GM-28	736.46	28.95	707.51
GM-29	731.37	23.62	707.75
GM-30	734.79	27.00	707.79
GM-31	732.13	25.91	706.22
GM-32	732.08	26.60	705.48
GM-33	729.77	23.80	705.97
GM-34	730.56	24.60	705.96
GM-35	731.27	25.87	705.40
GM-36	731.11	25.58	705.53

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Table 6. Groundwater Level Measurements Collected During November 17-18, 2008, General Motors Corporation, Moraine, Ohio.

Well	Measuring Point Elevation	Depth-to-Water (feet)	Groundwater Elevation (AMSL)
Upper Aquifer Wells			
GM-37	730.05	24.22	705.83
GM-38	729.88	24.38	705.50
GM-43	729.00	NM	NA
GM-44	728.77	22.40	706.37
GM-45	729.75	23.00	706.75
GM-46	727.79	19.21	708.58
GM-47	726.75	21.98	704.77
GM-48	728.67	24.39	704.28
GM-49	727.88	24.21	703.67
GM-50	726.56	21.83	704.73
GM-51	728.30	24.27	704.03
GM-52	727.62	23.15	704.47
GM-53	730.35	23.75	706.60
GM-55	719.86	16.03	703.83
GM-57	721.74	18.46	703.28
GM-59	732.25	25.00	707.25
GM-60	732.24	25.00	707.24
GM-62	722.11	17.89	704.22
GM-63	725.79	20.72	705.07
GM-64	725.95	20.88	705.07
GM-65S	723.58	20.71	702.87
GM-66	733.22	26.18	707.04
GM-67S	732.06	24.71	707.35
GM-68S	732.18	25.08	707.10
GM-71	736.82	29.45	707.37
GM-72	736.78	29.40	707.38
GM-74S	732.17	24.95	707.22
GM-75S	737.69	30.35	707.34
GM-76S	739.00	30.81	708.19
GM-77S	741.14	33.63	707.51
GM-78	721.18	16.75	704.43
GM-79	717.91	14.27	703.64
GM-80	715.82	12.92	702.90
GM-81	715.31	12.30	703.01
GM-83S	725.84	19.32	706.52
EAST	730.98	25.05	705.93
WEST	731.08	29.25	701.83
WSU-17	726.18	21.53	704.65
WSU-18	733.52	28.71	704.81
WSU-19	726.62	23.36	703.26
WSU-22	NA	NM	NA
WSU-23	724.90	20.07	704.83
WSU-24	724.82	19.95	704.87
TW-2 (ON)	733.38	31.55	701.83
ME-2	732.08	NM	NA
ME-3	731.73	25.51	706.22
ME-4	732.24	26.08	706.16
ME-6	732.68	26.50	706.18

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Table 6. Groundwater Level Measurements Collected During November 17-18, 2008, General Motors Corporation, Moraine, Ohio.

Well	Measuring Point Elevation	Depth-to-Water (feet)	Groundwater Elevation (AMSL)
Lower Aquifer Wells			
GM-1	735.74	30.77	704.97
GM-3	730.44	26.95	703.49
GM-4	731.46	27.00	704.46
GM-5	731.29	26.62	704.67
GM-7R	735.61	30.66	704.95
GM-9	724.07	20.07	704.00
GM-11	723.71	19.69	704.02
GM-13	723.82	20.24	703.58
GM-14	723.50	20.09	703.41
GM-15	725.23	21.90	703.33
GM-19D	730.73	25.24	705.49
GM-20D	727.26	22.22	705.04
GM-39	730.95	23.16	707.79
GM-40	727.04	21.35	705.69
GM-41	733.65	26.97	706.68
GM-42	729.16	23.75	705.41
GM-54	730.29	23.63	706.66
GM-56	719.52	15.73	703.79
GM-58	735.46	28.53	706.93
GM-61	732.23	25.03	707.20
GM-65D	723.54	20.68	702.86
GM-67D	732.19	24.85	707.34
GM-68D	732.27	25.35	706.92
GM-69	732.08	25.77	706.31
GM-70	737.19	30.18	707.01
GM-73	736.97	29.68	707.29
GM-74D	732.04	24.97	707.07
GM-75D	737.68	30.28	707.40
GM-76D	738.94	31.16	707.78
GM-77D	740.93	33.74	707.19
GM-82	732.14	25.56	706.58
GM-83D	725.77	18.97	706.80
GM-84	739.92	33.44	706.48
HR-10	742.81	34.11	708.70
HR-12	742.64	33.85	708.79
HR-13	735.03	27.34	707.69
HR-14	731.63	24.09	707.54
HR-15	733.74	26.34	707.40
M73C	716.55	13.09	703.46
MT69	722.71	NM	NA
MT576M	751.46	42.43	709.03
MT596M	757.73	42.37	715.36

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Table 6. Groundwater Level Measurements Collected During November 17-18, 2008, General Motors Corporation, Moraine, Ohio.

Well	Measuring Point Elevation	Depth-to-Water (feet)	Groundwater Elevation (AMSL)
Production and Fire Wells			
DN-13 (County Well)	727.78	86.28	641.50
11B	NS	35.03	707.53
12A	NS	36.96	705.43
31	734.05	25.96	708.09
34	733.46	26.33	707.13
39	732.07	24.36	707.71
A	739.00	29.41	709.59
FW-1A	739.89	31.97	707.92
FW-2	737.48	30.27	707.21
FW-3	739.26	31.93	707.33
FW-4	731.62	25.78	705.84
Stream Gauge*			
SG1	747.64	NM	NA
SG2	709.95	0.27	709.68
SG3	718.45	6.71	711.74
SG4	714.78	6.03	708.75
SG5	711.10	NM	NA
SG6	723.21	15.82	707.39
SG7	731.55	0.00	731.55
IRZ Wells			
RZ-1D	731.20	22.63	708.57
RZ-1H	730.32	22.60	707.72
RZ-1K	729.85	NM	NA
RZ-1N	731.66	23.12	708.54
RZ-1U	735.13	NM	NA
OW-4	735.02	NM	NA
RZ-3A	726.74	21.93	704.81
RZ-3D	728.64	23.21	705.43
RZ-3F	728.54	NM	NA
RZ-3I	729.36	22.79	706.57
RZ-3L	730.65	NM	NA
RZ-3N	729.99	18.17	711.82
RZ-3U	730.37	NM	NA
RZ-3Y	731.03	25.55	705.48
RZ-3CC	729.39	24.07	705.32
RZ-3GG	725.77	20.21	705.56
RZ-3II	726.08	NM	NA
RZ-3MM	726.92	21.50	705.42
RZ-4A	725.71	20.23	705.48
RZ-4D	727.07	20.23	706.84
RZ-4G	728.16	22.67	705.49
RZ-4I	728.55	NM	NA
RZ-4L	727.54	22.40	705.14
RZ-4O	726.46	NM	NA

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Table 6. Groundwater Level Measurements Collected During November 17-18, 2008, General Motors Corporation, Moraine, Ohio.

Well	Measuring Point Elevation	Depth-to-Water (feet)	Groundwater Elevation (AMSL)
Moraine City			
MW-1	715.53	11.13	704.40
MW-4	707.19	7.47	699.72
MW-5	709.34	7.92	701.42
MW-9	712.85	12.94	699.91

Measuring point is to top of the well casing or surveyed measuring point.
Groundwater elevations are reported in feet above mean sea level (AMSL).
Groundwater levels were measured on November 17-18, 2008 using an electronic water level indicator (more than one meter was used and WL elevations reflect a calibration factor).
Groundwater level measurements are reported in feet below the measuring point.
NS - Not Surveyed.
NM - Not measured.
NA - Not applicable.
*Surface water measurement

Table 7. Summary of Precipitation Measurements Recorded by the National Weather Service, During 2008 - Dayton, Ohio.

Date	Actual Precipitation	Average Precipitation	Departure from Average
January	2.04	2.59	0.55 below average
February	4.14	2.15	1.99 above average
March	6.98	3.24	3.74 above average
April	2.21	3.86	1.65 below average
May	4.38	4.25	0.13 above average
June	6.63	4.05	2.58 above average
July	5.89	3.79	2.10 above average
August	1.65	3.14	1.49 below average
September	2.69	2.82	0.13 below average
October	1.24	2.52	1.28 below average
November	2.28	3.07	0.79 below average
December	5.12	2.87	2.25 above average
2008 Total	**45.25**	**38.35**	**6.90 above average**

All precipitation measurements are reported in inches.
Information obtained from the NOAA Website (http://www7.ncdc.noaa.gov/IPS/lcd/lcd.html)

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Table 8. Vertical Gradients For Shallow/Deep Well Pairs During 2008, General Motors Corporation, Moraine, Ohio.

	Vertical Gradients November 17 and 18, 2008	
Upper/Lower Wells	**Direction**	**Gradient (ft/ft)**
Upgradient		
HR-9/HR-10	D	-0.0002
HR-11/HR-12	NA	0.0000
On-Site		
W-3-N/HR-15	D	-0.0027
W-4-N/HR-14	D	-0.0010
HR-3/HR-13	U	0.0024
GM-8/GM-7R	U	0.0050
GM-2/GM-1	D	-0.0058
GM-6/GM-3	D	-0.0196
4S/GM-5	D	-0.0044
GM-68S/GM-68D	D	-0.0004
GM-75S/GM-75D	U	0.0014
Former Oil House Area		
GM-23/GM-27	D	-0.0037
GM-23/GM-39	D	-0.0010
Off-Site/Downgradient		
GM-10/GM-9	D	-0.0058
GM-16/GM-15	D	-0.0267
GM-18/GM-13	D	-0.0189
GM-17/GM-11	D	-0.0102
GM-55/GM-56	D	-0.0009
GM-65S/GM-65D	D	-0.0002

D - Downward gradient (-). NA - Not applicable.
U - Upward gradient (+).

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Table 9. Summary of Groundwater Analytical Results from Reactive Zone 1 Wells, General Motors Corporation, Moraine, Ohio.

RZ-1		Sidegradient Well GM-29																
Constituents	**Units**	**9/1/99**	**2/22/00**	**5/26/00**	**9/21/00**	**3/20/01**	**6/26/01**	**11/13/01**	**12/12/01**	**6/13/02**	**9/25/02**	**5/22/03**	**9/24/03**	**9/15/04**	**10/17/05**	**9/28/06**	**9/26/07**	**10/6/08**
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	37.8	36.0	32.5	24.5	27.0	23.8J	<50	19J	17	16J	< 50	18J	21 J	19 J	17 J	15 J	12 J
1,1-Dichloroethane	ug/L	4.3	4.1	6.3	16.6	10.8	6.3J	<50	<50	<50	<40	< 50	<33	< 50 U	18 J	15 J	15 J	11 J
1,1-Dichloroethene	ug/L	1.3	1.1	1.6	3.1	3.5	3.0J	<50	<50	<50	<40	< 50	<33	< 50 U	< 50 U	< 33 U	< 50 U	< 33 U
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0UJ	<50	<50	<50	<40	< 50	<33	< 50 U	< 50 U	< 33 U	< 50 U	< 33 U
cis-1,2-Dichloroethene	ug/L	320	223	1,190J	2,871	2,170	2050J	1,800	1,800	1600	1300	950	1200	1200	1600	1300	1200	900
Ethylbenzene	ug/L	<1.0	1.4	<1.0	<1.0	<1.0	<1.0UJ	21J	<50	<50	<40	< 50	<33	< 50 U	< 50 U	< 33 U	< 50 U	< 33 U
Tetrachloroethene	ug/L	<20	38.7	24.6	20.0	24.4	24.8J	17J	22J	22	18J	47J	18J	20 J	15 J	15 J	18 J	17 J
Toluene	ug/L	<1.0	<1.0	<1.0	2.2	<1.0	<1.0UJ	<50	<50	<50	<40	< 50	<33	< 50 U	< 50 U	< 33 U	< 50 U	< 33 U
trans-1,2-Dichloroethene	ug/L	11.1	9.1	8.9	14.4	20.4	25.6J	26	24J	21	21	< 25	20	21 J	27 J	20 J	19 J	16 J
Trichloroethene	ug/L	878	758	649J	289	354	437J	270	320	380	310	280	390	440	390	310	350	300
Vinyl chloride	ug/L	3.8	1.0	1.7	788	362	276J	230	280	140	140	99	150	230	490	210	290	150
Xylenes	ug/L	<1.0	6.0	<1.0	<1.0	<1.0	<1.0UJ	52	<50	<50	<40	< 50	<33	< 50 U	< 100 U	< 67 U	< 100 U	< 67 U
Total VOCs	**ug/L**	**1,256.3**	**1,078.4**	**1,914.6**	**4,028.8**	**2,972.1**	**2,846.5**	**2,416**	**2,465**	**2,180**	**1,805**	**1,376**	**1,796**	**1,932**	**2,559**	**1,887**	**1,907**	**1,406**

ug/L - Micrograms per liter.
J - Value is estimated.
UJ - Constituent not detected above laboratory reporting limit. Reporting limit estimated.
< - Constituent not detected above laboratory reporting limit shown.
U - Constituent not detected.
Samples collected in September and October 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 9. Summary of Groundwater Analytical Results from Reactive Zone 1 Wells, General Motors Corporation, Moraine, Ohio.

RZ-1		Upgradient Well GM-23																
Constituents	**Units**	**9/2/99**	**2/21/00**	**5/31/00**	**9/20/00**	**3/20/01**	**6/26/01**	**11/12/01**	**12/12/01**	**6/13/02**	**9/26/02**	**5/22/03**	**9/23/03**	**9/14/04**	**10/17/05**	**9/28/06**	**9/27/07**	**10/23/08**
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	7.2	< 50	< 20	2.0	3.1	1.5	< 420	< 500	< 330	< 400	< 620 U	< 500 U	< 500 U	< 560 U	< 330 U	< 200 U	< 62 U
1,1-Dichloroethane	ug/L	32.5	< 50	12.8 J	16.3	17.9	3.7	< 420	< 500	< 330	< 400	< 620 U	< 500 U	< 500 U	< 560 U	< 330 U	< 200 U	< 62 U
1,1-Dichloroethene	ug/L	17.2	<50	6.6 J	5.1	15.9	16.3	< 420	< 500	< 330	< 400	< 620 U	< 500 U	< 500 U	< 560 U	< 330 U	< 200 U	< 62 U
Benzene	ug/L	1.9	< 50	< 20	< 1.0	1.4	< 1.0	< 420	< 500	< 330	< 400	< 620 U	< 500 U	< 500 U	< 560 U	< 330 U	< 200 U	< 62 U
cis-1,2-Dichloroethene	ug/L	7530	10400 D	4080 J	5620	9640	11000	8400	7200	9900	7700	6800	5800	4600	19000	11000	4700	2000
Ethylbenzene	ug/L	< 1.0	<50	< 20	< 1.0	<1.0	< 1.0	< 420	< 500	< 330	< 400	< 620 U	< 500 U	< 500 U	< 560 U	< 330 U	< 200 U	< 62 U
Tetrachloroethene	ug/L	6250	7280 J	6200 J	3470	2910	8600	15000	14000	8400	10000	12000	12000	6700	2300	370	280	71
Toluene	ug/L	<1.0	< 50	< 20	< 1.0	< 1.0	2.3	< 420	< 500	< 330	< 400	< 620 U	< 500 U	< 500 U	< 560 U	< 330 U	< 200 U	< 62 U
trans-1,2-Dichloroethene	ug/L	54.5	118 J	39.8 J	33.2	85.5	60.8	<210	< 250	<170	< 200	< 310 U	< 250 U	< 250 U	< 560 U	270 J	130 J	58 J
Trichloroethene	ug/L	1460	1350 D	1480 J	609	745	1780J	2200	2100	1900	1700	1500	1600	1100	490 J	95 J	82 J	< 62 U
Vinyl chloride	ug/L	2500	2420 J	140 J	801	765	68	1200	< 500	810	540	1700	690	870	2800	4100	2600	2100
Xylenes	ug/L	< 1.0	< 50	< 20	< 1.0	< 1.0	1.4	< 420	< 500	< 330	< 400	< 620 U	< 500 U	< 500 U	< 1100 U	< 670 U	< 400 U	< 120 U
Total VOCs	**ug/L**	**17,853.3**	**21,568**	**11,959.2**	**10,556.6**	**14,183.8**	**21,533.8**	**26,800**	**23,300**	**21,010**	**19,940**	**22,000**	**20,090**	**13,270**	**24,590**	**15,835**	**7,792**	**4,229**

ug/L - Micrograms per liter.
J - Value is estimated.
UJ - Constituent not detected above laboratory reporting limit. Reporting limit estimated.
< - Constituent not detected above laboratory reporting limit shown.
U - Constituent not detected.
Samples collected in September and October 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 9. Summary of Groundwater Analytical Results from Reactive Zone 1 Wells, General Motors Corporation, Moraine, Ohio.

RZ-1		Downgradient Well GM-28																	
Constituents	**Units**	**9/1/99**	**2/23/00**	**5/26/00**	**9/21/00**	**3/20/01**	**6/26/01**	**11/15/01**	**12/12/01**	**7/21/02**	**9/24/02**	**5/23/03**	**10/1/03**	**4/30/04**	**9/15/04**	**10/18/05**	**9/27/06**	**9/20/07**	**10/22/08**
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/L	17.7	23.2	18.1	5.0	<1.0	<1.0	<10	<5.0UJ	<4.0	<1	< 1	<1.0	< 1	< 1 U	< 1.0 U	< 1 U	< 1 U	< 5 U
1,1-Dichloroethane	ug/L	3.3	4.2	11.8	9.9	<1.0	<1.0	<10	<5.0UJ	<4.0	2.7	4.2	3.3	3.5	3.3	4.0	4.2	4.6	2.2 J
1,1-Dichloroethene	ug/L	<1.0	<1.0	3.8	<1.0	<1.0	<1.0	<10	<5.0UJ	<4.0	<1	< 1	<1.0	< 1	< 1 U	< 1.0 U	< 1 U	< 1 U	< 5 U
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0UJ	<4.0	<1	< 1	<1.0	< 1	< 1 U	< 1.0 U	< 1 U	< 1 U	< 5 U
cis-1,2-Dichloroethene	ug/L	175	503	2,700	37.0	7.7	352	<5.0	2.2UJ	<2.0	1.1	0.66	0.58	0.45 J	0.41 J	0.32 J	0.26 J	0.72 J	6.9
Ethylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0UJ	<4.0	<1	< 1	0.28J	< 1	< 1 U	< 1.0 U	< 1 U	< 1 U	< 5 U
Tetrachloroethene	ug/L	316	88.4	30.2	2.3	2.8	<1.0	<10	<5.0UJ	<4.0	<1	0.95J	<1.0	< 1	0.88 J	< 1.0 U	< 1 U	< 1 U	< 5 U
Toluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	< 1.8UJ	<4.0	<1.3	1	1.0	< 1	< 1 U	< 1.0 U	< 1 U	< 1 U	< 5 U
trans-1,2-Dichloroethene	ug/L	9.2	9.7	36.5	22.3	17.6	<1.0	11	11J	8.6	11	9.2	4.0	2.2	1.2	0.63 J	0.66 J	0.58 J	1.3 J
Trichloroethene	ug/L	768	833	14.8	1.6	1.8	<1.0	<10	<5.0UJ	<4.0	0.86J	3.1	1.6	1.6	1.4	0.66 J	0.43 J	0.51 J	< 5 U
Vinyl chloride	ug/L	3.2	<1.0	1.9	12.4	2.6	<1.0	<10	<5.0UJ	<4.0	<1	< 1	0.53J	< 1	0.44 J	1.1	0.42 J	1.2	6.5
Xylenes	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0UJ	<4.0	<1.2	0.87J	1.6	< 1	< 1 U	< 2.0 U	< 2 U	< 2 U	< 10 U
Total VOCs	**ug/L**	**1,292.4**	**1,461.5**	**2,817.1**	**90.5**	**32.5**	**352**	**11**	**11**	**8.6**	**15.66**	**19.98**	**12.89**	**7.75**	**7.63**	**6.71**	**5.97**	**7.61**	**16.9**

ug/L - Micrograms per liter.
J - Value is estimated.
UJ - Constituent not detected above laboratory reporting limit. Reporting limit estimated.
< - Constituent not detected above laboratory reporting limit shown.
U - Constituent not detected.
Samples collected in September and October 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 10. Summary of Groundwater Analytical Results from Reactive Zone 3 West Wells, General Motors Corporation, Moraine, Ohio.

RZ-3 West		Upgradient Well EAST														
Constituents	**Units**	**9/21/99**	**2/23/00**	**5/25/00**	**9/22/00**	**3/19/01**	**6/25/01**	**11/12/01**	**12/11/01**	**6/12/02**	**9/23/02**	**5/21/03**	**9/25/03**	**9/13/04**	**10/18/05**	**9/21/06**
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	21.0	20.6	20.5	22.2	19.3	16.7	13	12	14	10	6.2	7.1	5.7	5.9	10
1,1-Dichloroethane	ug/L	5.4	7.3	7.7	7.7	5.9	5.5	6.2	5.3	6.0	3.9	1.9	2.3	0.72 J	3.0	3.2
1,1-Dichloroethene	ug/L	<1.0	<1.0	1.02J	1.2	1.2	<1.0	0.90J	<3.3	1.3	0.73J	< 1.4	<2.0	0.34 J	< 1.0 U	0.59 J
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.3	<3.3	<2.5	<2	< 1.4	<2.0	< 1 U	< 1.0 U	< 1.4 U
cis-1,2-Dichloroethene	ug/L	9.1	24.0	32.0	77.3	117	80.1	51	51	33	8.8	4.5	4.3	1.6	3.1	4.1
Ethylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.3	<3.3	<2.5	<2	< 1.4	<2.0	< 1	< 1.0 U	< 1.4 U
Tetrachloroethene	ug/L	61.0	77.1	54.6	55.8	49.9	59.3	56	49	37	49	42	47	40	47	41
Toluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.3	<3.3	<2.5	<2	< 1.4	<2.0	< 1 U	< 1.0 U	< 1.4 U
trans-1,2-Dichloroethene	ug/L	<1.0	2.0	1.5	1.8	5.8	3.3	2.7	2.4	1.3	<1	< 0.72	<1.0	< 0.5 U	< 1.0 U	< 1.4 U
Trichloroethene	ug/L	56.1	90.1	81.3	97.2	105	117	92	94	75	46	29	35	23	23	29
Vinyl chloride	ug/L	<1.0	5.3	1.2	3.0	4.8	<1.0	1.5J	0.66J	0.48	<2	< 1.4	<2.0	< 1 U	1.2	< 1.4 U
Xylenes	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.3	<3.3	<2.5	<2	< 1.4	<2.0	< 1 U	< 2.0 U	< 2.9 U
Total VOCs	**ug/L**	**152.6**	**226.4**	**199.82**	**266.2**	**308.9**	**281.9**	**223.3**	**214.36**	**168.08**	**118.43**	**83.6**	**95.7**	**71.36**	**83.2**	**87.89**

ug/L - Micrograms per liter.
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Carbon source introductions began in December 1999.

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Table 10. Summary of Groundwater Analytical Results from Reactive Zone 3 West Wells, General Motors Corporation, Moraine, Ohio.

RZ-3 West		Downgradient Well GM-32																
Constituents	**Units**	**9/22/99**	**2/28/00**	**5/30/00**	**9/25/00**	**3/19/01**	**6/25/01**	**11/12/01**	**12/11/01**	**6/12/02**	**9/20/02**	**5/23/03**	**10/1/03**	**9/14/04**	**10/19/05**	**9/19/06**	**9/18/07**	**9/23/08**
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	<1.0	<10	<100	<1.0	<50	9.2	<5.0	<100	<20	<10	< 1 U	<2.0	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U
1,1-Dichloroethane	ug/L	3.3	101	46.0J	35.9	<50	3.1	6.2	<100	12	9.7J	5.5	5.5	3 J	4.9 J	3.7 J	4.3 J	4 J
1,1-Dichloroethene	ug/L	<1.0	<10	<100	<1.0	<50	<1.0	<5.0	<100	<20	<10	< 1 U	<2.0	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U
Benzene	ug/L	<1.0	<10	<100	<1.0	<50	<1.0	4.3J	<100	4.0	<10	1.6	1.5J	< 10 U	< 10 U	< 10 U	1.6 J	< 10 U
cis-1,2-Dichloroethene	ug/L	2.6	<10	<100	<1.0	<50	32.0	<2.5	<50	<10	<5	0.66	<1.0	< 5 U	< 10 U	< 10 U	< 5 U	< 10 U
Ethylbenzene	ug/L	<1.0	<10	<100	<1.0	<50	<1.0	0.79J	<100	<20	<10	0.65J	0.73J	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U
Tetrachloroethene	ug/L	1.2	<10	<100	<1.0	<50	37.6	<5.0	<100	<20	<10	< 1 U	<2.0	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U
Toluene	ug/L	1.0	20.6	<100	10.4	<50	<1.0	12	<100	4.9	<10	2.2	2.3	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U
trans-1,2-Dichloroethene	ug/L	4.2	111	41.0J	20.3	<50	2.5	2.9	<50	3.0	<5	1.6	1.0	< 5 U	< 10 U	< 10 U	1 J	< 10 U
Trichloroethene	ug/L	3.2	<10	<100	<1.0	<50	107	<5.0	<100	<20	<10	< 1 U	<2.0	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U
Vinyl chloride	ug/L	3.0	<10	<100	<1.0	<50	<1.0	1.1J	<100	3.0	<10	< 1 U	<2.0	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U
Xylenes	ug/L	<1.0	<10	<100	<1.0	<50	<1.0	3.0J	<100	<20	<10	2.1	3.6	< 10 U	< 20 U	< 20 U	3.4 J	< 20 U
Total VOCs	**ug/L**	**18.5**	**232.6**	**87**	**66.6**	**0**	**191.4**	**30.29**	**0**	**26.9**	**9.7**	**14.31**	**14.63**	**3**	**4.9**	**3.7**	**10.3**	**4**

ug/L - Micrograms per liter.
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U - Constituent not detected.
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Carbon source introductions began in December 1999.

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Table 10. Summary of Groundwater Analytical Results from Reactive Zone 3 West Wells, General Motors Corporation, Moraine, Ohio.

RZ-3 West		Downgradient Well GM-8											Downgradient Well GM-6										
Constituents	**Units**	**3/6/98**	**9/20/99**	**9/26/00**	**11/9/01**	**9/20/02**	**10/1/03**	**9/14/04**	**10/19/05**	**9/19/06**	**9/18/07**	**9/23/08**	**3/6/98**	**9/20/99**	**9/26/00**	**11/9/01**	**9/20/02**	**10/2/03**	**9/14/04**	**10/19/05**	**9/19/06**	**9/18/07**	**9/24/08**
Volatile Organic Compounds																							
1,1,1-Trichloroethane	ug/L	6.7	1.9	<1.0	0.40J	<2.0	<2.0	< 1 U	< 1.0 U	< 5 U	< 2 U	< 1 U	36.2	24.6	12.1	3.9	1.4J	0.19J	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	49.3	30.2	36.5	40	63	48	15	16	18	9.1	1.7	35.3	33.2	13.0	14	60	20	18	21	16	26	< 8.4 U
1,1-Dichloroethene	ug/L	1.0	<1.0	<1.0	< 1.0	<2.0	<2.0	< 1 U	< 1.0 U	< 5 U	< 2 U	< 1 U	<1.0	1.2	<1.0	< 2.0	<2.0	<1.0	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U
Benzene	ug/L	2.3	3.4	1.1	0.78J	5.5	5.4	4.2	3.5	2.1 J	2.4	6.8	<1.0	<1.0	<1.0	< 2.0	2.2	1.0	1.7	0.49 J	< 1 U	0.42 J	1.2
cis-1,2-Dichloroethene	ug/L	56.1	26.2	1.5	2.0	5.5	<1.0	< 0.5	0.24 J	2.1 J	< 2 U	< 1 U	82.4	52.9	41.0	8.2	43	13	10	20	18	16	6.7
Ethylbenzene	ug/L	28.9	20.7	12.5	0.40J	7.5	11	19	29	< 5 U	1.7 J	8.6	<1.0	<10.0	<1.0	< 2.0	<2.0	0.22J	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	20.0	14.8	<1.0	< 1.0	<2.0	<2.0	< 1 U	< 1.0 U	< 5 U	< 2 U	< 1 U	94.0	81.4	51.5	14	14	11	2.6	0.34 J	< 1 U	< 1 U	< 1 U
Toluene	ug/L	<1.0	<1.0	<1.0	< 1.0	1.8J	1.2J	< 1 U	0.39 J	< 5 U	< 2 U	< 1 U	<1.0	<1.0	<1.0	< 2.0	<2.0	0.83J	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	10.1	12.0	5.4	3.6	9	4.4	1.1	0.99 J	1 J	0.9 J	0.27 J	2.4	2.0	2.2	1.8	8.6	2.5	1.9	2.1	1.6	2.6	1.3
Trichloroethene	ug/L	95.2	30.4	6.6	4.4	<2.0	<2.0	< 1 U	< 1.0 U	< 5 U	< 2 U	< 1 U	119	78.2	56.6	48	33	23	5.7	1.4	0.35 J	0.34 J	< 1 U
Vinyl chloride	ug/L	10.1	8.4	2.4	1.9	5.8	<2.0	0.48 J	0.73 J	3.2 J	< 2 U	0.48 J	2.3	1.6	3.7	1.9J	12	3.3	3	11	7.3	6.7	2.1
Xylenes	ug/L	10.3	2.3	1.9	0.39J	1.5J	2.0	1.1	< 2.0 U	< 10 U	0.9 J	3.9	<1.0	<10	<1.0	< 2.0	< 2.0	1.0	< 1 U	< 2.0 U	< 2 U	< 2 U	< 2 U
Total VOCs	**ug/L**	**290**	**150.3**	**67.9**	**53.87**	**99.6**	**72**	**40.88**	**50.85**	**26.4**	**15**	**21.75**	**371.6**	**275.1**	**180.1**	**91.8**	**174.2**	**76.04**	**42.9**	**56.33**	**43.25**	**52.06**	**11.3**

ug/L - Micrograms per liter.
J - Value is estimated.
UJ - Constituent not detected above laboratory reporting limit. Reporting limit estimated.
< - Constituent not detected above laboratory reporting limit shown.
U - Constituent not detected.
Samples collected in September and October 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 11. Summary of Groundwater Analytical Results from Reactive Zone 3 East Wells, General Motors Corporation, Moraine, Ohio.

RZ-3 East		Upgradient Well GM-22																
Constituents	**Units**	**9/1/99**	**2/23/00**	**5/25/00**	**9/21/00**	**3/20/01**	**6/26/01**	**11/13/01**	**12/12/01**	**6/13/02**	**9/25/02**	**5/22/03**	**9/24/03**	**9/14/04**	**10/17/05**	**9/20/06**	**9/26/07**	**10/3/08**
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.4	0.63J	0.47	0.93J	0.61J	1.2	1.7	0.96 J	0.47 J	0.66 J	0.73 J
1,1-Dichloroethane	ug/L	<1.0	2.2	2.8	2.4	3.8	4.7	6.8	6.6	4.1	<2	1.2	1.0	2.1	1.0	1.1	0.72 J	< 1 U
1,1-Dichloroethene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.58J	0.32J	<1.0	<2	< 1	<1.0	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2	< 1	<1.0	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	<1.0	3.1	4.0	1.9	3.5	5.1	8.5	7.8	3.6	<1	0.46J	0.45J	0.9	0.36 J	0.28 J	0.24 J	< 1 U
Ethylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2	< 1	<1.0	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	3.6	2.8	3.0	1.6	2.2	3.2	4.9	2.9	1.9	2.3	2.5	2.9	2.9	3.6	3.2	3.3	5.7
Toluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	0.32J	<1.0	<2	0.49J	<1.0	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.17J	<0.50	<0.50	<1	< 0.5	<0.50	< 0.5 U	< 1.0 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	4.0	2.5	3.6	<1.0	1.6	2.8	7.5	2.3	2.1	7.6	6	7.6	10	4.7	3	3.3	5.7
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.60J	0.85J	0.38	<2	< 1	<1.0	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U
Xylenes	ug/L	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2	< 1	<1.0	< 1 U	< 2.0 U	< 2 U	< 2 U	< 2 U
Total VOCs	**ug/L**	**7.6**	**11.8**	**13.4**	**5.9**	**11.1**	**16.9**	**33.45**	**21.72**	**12.55**	**10.83**	**11.26**	**13.15**	**17.6**	**10.62**	**8.05**	**8.22**	**12.13**

ug/L - Micrograms per liter.
J - Value is estimated.
UJ - Constituent not detected above laboratory reporting limit. Reporting limit estimated.
< - Constituent not detected above laboratory reporting limit shown.
U - Constituent not detected.
Samples collected in September and October 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 11. Summary of Groundwater Analytical Results from Reactive Zone 3 East Wells, General Motors Corporation, Moraine, Ohio.

RZ-3 East		Downgradient Well GM-21																	
Constituents	**Units**	**9/22/99**	**2/23/00**	**5/26/00**	**9/22/00**	**3/19/01**	**6/25/01**	**11/13/01**	**12/11/01**	**6/12/02**	**9/25/02**	**5/22/03**	**9/24/03**	**9/14/04**	**10/17/05**	**9/20/06**	**12/1/06**	**9/26/07**	**10/3/08**
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/L	53.1	15.4	27.9	15.7	7.0	7.7	6.9	1.2	23	31	18	31	26	4.3	12	4.7	8.5	8.7
1,1-Dichloroethane	ug/L	9.0	5.8	6.8	5.6	5.1	4.1	3.8J	0.71J	5.4	5J	4.1J	6.9J	4.2 J	3.4	8.6	6.4	18	15
1,1-Dichloroethene	ug/L	3.9	1.6	2.4	1.6	1.2	<1.0	<5.0	<1.0	3.6	2.6J	< 6.7	2.0J	3.1 J	< 1.0 U	0.19 J	0.2 J	< 1.4 U	0.33 J
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<6.0	<6.7	< 6.7	<8.0	< 9.1 U	< 1.0 U	< 1 U	< 1 U	< 1.4 U	< 1.4 U
cis-1,2-Dichloroethene	ug/L	66.4	35.9	47.8	38.7	39.5	37.8	39	6.5	48	43	130	100	56	20	14	8.2	26	38
Ethylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<6.0	<6.7	< 6.7	<8.0	< 9.1 U	< 1.0 U	< 1 U	< 1 U	< 1.4 U	< 1.4 U
Tetrachloroethene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<6.0	<6.7	< 6.7	<8.0	< 9.1 U	< 1.0 U	< 1 U	< 1 U	< 1.4 U	0.56 J
Toluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<6.0	<6.7	< 6.7	<8.0	< 9.1 U	< 1.0 U	< 1 U	< 1 U	< 1.4 U	< 1.4 U
trans-1,2-Dichloroethene	ug/L	7.8	9.3	7.4	12.9	16.4	15.7	15	2.8	8.3	5.1	2.2J	2.9J	7.9	22	4.3	4.8	2.5	4.7
Trichloroethene	ug/L	28.7	283	311	189	169	158	160	28	210	230	79	200	180	1.8	5.9	0.8 J	2.8	18
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<6.0	<6.7	< 6.7	<8.0	< 9.1 U	13	9.3	4.7	12	19
Xylenes	ug/L	<1.0	2.3	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<6.0	<6.7	< 6.7	<8.0	< 9.1 U	< 2.0 U	< 2 U	< 2 U	< 2.9 U	< 2.9 U
Total VOCs	**ug/L**	**168.9**	**353.3**	**403.3**	**263.5**	**238.2**	**223.3**	**224.7**	**39.21**	**298.3**	**316.7**	**233.3**	**342.8**	**277.2**	**64.5**	**54.29**	**29.8**	**69.8**	**104.29**

ug/L - Micrograms per liter.
J - Value is estimated.
UJ - Constituent not detected above laboratory reporting limit. Reporting limit estimated.
< - Constituent not detected above laboratory reporting limit shown.
U - Constituent not detected.
Samples collected in September and October 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 12. Summary of Groundwater Analytical Results from Reactive Zone 4 East Wells, General Motors Corporation, Moraine, Ohio.

RZ-4 East		Upgradient Well WEST			Downgradient Well GM-19S														
Constituents	**Units**	**9/21/99**	**2/23/00**	**5/25/00**	**9/20/99**	**5/24/00**	**9/22/00**	**3/19/01**	**6/25/01**	**11/12/01**	**6/12/02**	**9/26/02**	**5/21/03**	**9/25/03**	**9/13/04**	**10/18/05**	**9/21/06**	**9/17/07**	**9/23/08**
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/L	24.8	25.1	27.4	16.0	17.9	14.5	11.9	9.6	7.6	7.2	6.3	12	13	14	13	9.7 J	0.59 J	< 1 U
1,1-Dichloroethane	ug/L	25.6	24.5	32.5	7.7	7.0	4.4	4.1	2.9	2.9J	3.7	6.3	8.4	8.3	8.1	9.0	7 J	10	13
1,1-Dichloroethene	ug/L	<1.0	<1.0	<1.0	1.0	1.1	<1.0	<1.0	<1.0	<3.3	0.98	<4	< 4	1.6J	1.9 J	1.2 J	< 22 U	< 1 U	< 1 U
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.3	0.62	<4	< 4	<5.0	< 4 U	< 1.7 U	< 22 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	125	34.5	29.0	34.6	42.9	37.6	38.2	31.5	26	28	39	81	89	61	29	660	0.3 J	0.68 J
Ethylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.3	<3.3	<4	< 4	<5.0	< 4 U	< 1.7 U	< 22 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	41.3	53.9	37.7	46.0	57.1	68.0	67.6	71.7	64	60	52	62	62	71	95	9.1 J	1.5	0.94 J
Toluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.3	<3.3	<4	< 4	<5.0	< 4 U	< 1.7 U	< 22 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	<1.0	1.7	1.3	2.3	2.7	2.6	3.0	2.4	2.0	2.3	2.7	2.5	2.9	2.4	1.0 J	10 J	0.29 J	0.52 J
Trichloroethene	ug/L	37.3	108	103.0	71.1	104	104	107	121	97	110	110	120	140	120	140	11 J	0.46 J	3
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<3.3	0.70	5.2	< 4	<5.0	< 4 U	1.8	< 22 U	< 1 U	9.3
Xylenes	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.3	<3.3	<4	< 4	<5.0	< 4 U	< 3.3 U	< 44 U	< 2 U	< 2 U
Total VOCs	**ug/L**	**254**	**247.7**	**230.9**	**178.7**	**234.1**	**231.1**	**231.8**	**239.1**	**199.5**	**213.5**	**221.5**	**285.9**	**316.8**	**278.4**	**290**	**706.8**	**13.14**	**27.44**

ug/L - Micrograms per liter.
J - Value is estimated.
UJ - Constituent not detected above laboratory reporting limit. Reporting limit estimated.
< - Constituent not detected above laboratory reporting limit shown.
U - Constituent not detected.
Samples collected in September and October 1999 represent baseline conditions.
Carbon source introductions began in August 2006.

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Table 13. Bioattenuation Parameter Results for Groundwater Samples Collected in Reactive Zone 1, General Motors Corporation, Moraine, Ohio.

RZ-1		Sidegradient Well GM-29																
Constituents	**Units**	**9/1/99**	**2/22/00**	**5/26/00**	**9/21/00**	**3/20/01**	**6/26/01**	**11/13/01**	**12/12/01**	**6/13/02**	**9/25/02**	**5/22/03**	**9/24/03**	**9/15/04**	**10/17/05**	**9/28/06**	**9/26/07**	**10/6/08**
Inorganics & TOC																		
Nitrate	mg/l	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	mg/l	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/l	<0.30	<0.30	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	mg/l	0.552	0.136	0.35	0.248	0.203	0.136	0.17B	0.17	1.5B	0.18B	0.67J	0.20J	0.17	0.18	1.3	0.3 J	< 0.19 U
Manganese (Dissolved)	mg/l	0.13	0.101	0.177	0.125	0.116	0.128	0.17B	0.15	0.13B	0.16B	0.15J	0.21J	0.15	0.14	0.12	0.16 J	< 0.16 U
Iron (Total)	mg/l	18	1.43	10.1	8.48	5.84	2.52	3.4	3.8	47.8B	3.8	28.6	4.9	3.2	4.6	< 0.1 U	8.9	< 5.4 U
Iron (Dissolved)	mg/l	0.24	0.13	2.78	3.09	<0.10	2.03	3.3	2.9	2.2B	2.8	2.4	3.6	2.7	3.7	2.9	3.4	< 3.9 U
Iron (Ferrous)	mg/l	0.02	0	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	90	126	31	29	31	37	65	48	63	76	91J	52	14 J	51	70	65	< 5 UJ
Sulfide	mg/l	<4	<1	<1	<1	<1	<1	1.3	<1	<1	<1	0.54B	1.6	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Total Organic Carbon	mg/l	18	11	22	<1	7.57	7.3	10	10	8	8	7	9	9	11	13	15 J	16
Chloride	mg/l	254	426	508	373	337	262	600B	460	490	490	490	560J	540	370	380	360 J	< 1 U
Permanent Gases																		
Carbon Dioxide	mg/l	46.52	49.87	44.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	mg/l	1.02	0.66	1.41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen	mg/l	20.29	18.7	15.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	mg/l	0.01152	0.007699	0.00017	1.62	1.30	1.5	0.610	1.2	0.56	1.1	0.6	1.5	3.8	13	10	NA	16
Carbon Monoxide	mg/l	<0.40	<0.40	<0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Light Hydrocarbon Scan																		
Ethane	ng/l	5641	1861	751	639	460	17000	20000	28000	14000	16000	7400	9900	13000	170000	350000	NA	370000
Ethene	ng/l	9769	1275	12098	441796	160000	130000	230000	180000	48000	140000	150000	200000	1700000	1600000 J	750000	NA	420000
Field Parameters																		
pH	S.U.	6.99	7.02	6.86	7.24	7.31	7.20	7.47	7.57	7.14	7.22	6.32	6.88	6.85	6.80	6.94	6.63	7.1
Specific Conductivity	umhos/cm	1502	3044	2388	1942	1733	1291	2703	2860	1977	2354	2303	2278	2580	2200	2170	2350	1870
Dissolved Oxygen	mg/l	0.35	0.51	0.45	3.44	8.20	0.40	0.22	0.01	3.57	1.40	1.38	0.13	0.04	0	0.29	0.4	0.11
Redox Potential	mV	-526.6	19.6	-105.4	-35.0	-158.2	-166.4	-129.7	-168	-122.9	-91.3	-157.8	-118.6	-134	-153	-168	-139	-54
Temperature	°C	17.8	16.9	17.97	17.64	20.04	20.47	16.42	17.13	19.33	17.63	18.23	16.81	16.4	16.8	16.69	18	16.78

mg/l - milligrams per liter.
S.U. - Standard Units.
mV - Millivolts.
°C - Degrees Celsius.
J - Value is estimated.
B - Blank contamination.
NA - Not Analyzed.
umhos/cm - Micromohs/centimeter.
ng/l - nanograms per liter.
Samples collected in September 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 13. Bioattenuation Parameter Results for Groundwater Samples Collected in Reactive Zone 1, General Motors Corporation, Moraine, Ohio.

RZ-1		Upgradient Well GM-23												
Constituents	**Units**	**9/2/99**	**2/21/00**	**5/31/00**	**3/20/01**	**6/13/02**	**9/26/02**	**5/22/03**	**9/23/03**	**9/14/04**	**10/17/05**	**9/28/06**	**9/27/07**	**10/23/08**
Inorganics & TOC														
Nitrate	mg/l	0.08	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	mg/l	3.83	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/l	<0.30	0.94	2.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	mg/l	4.71	0.887	0.121	0.469	1.5 J	1.0 J	1.5 J	1.6 J	1.3 J	0.79	1.5	1.4 J	0.89
Manganese (Dissolved)	mg/l	0.346	0.841	0.101	0.311	1.3 J	0.68 J	1.5 J	1.7 J	1.2 J	0.81	1.5	1.3 J	0.9
Iron (Total)	mg/l	13.6	0.53	0.18	0.48	0.16 J	0.63	0.50	0.14	0.11	30.7	13.6	10.8	10.1
Iron (Dissolved)	mg/l	<0.10	<0.10	<0.10	< 1.0	<0.10	<0.10	<0.10	<0.10	<0.10	34.2	13.2	10	10
Iron (Ferrous)	mg/l	4	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	72	650	8040	1440	920	810	310 J	650	430 J	120	850	590	490
Sulfide	mg/l	<4	<1	<1	<1	<1	<1	<1 U	0.67 B	<1	<1	<1 U	< 1 U	< 1 U
Total Organic Carbon	mg/l	19	25	19	10.8	15 J	15	15	13	10 J	360	11	9	9
Chloride	mg/l	118	143	85	232	180	190	220	140 J	220	260	220	210	220
Permanent Gases														
Carbon Dioxide	mg/l	88.47	264.8	323.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	mg/l	0.96	1.56	17.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen	mg/l	20.22	13.75	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	mg/l	0.1248	0.72	0.02083	0.780	1.6	2.1	2.7	1.8	1.5	1.3	0.91	0.64	1.9
Carbon Monoxide	mg/l	<0.40	<0.40	<0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Light Hydrocarbon Scan														
Ethane	ng/l	6,878	14644	1037	11000	25000	32000	44000	23000	17000	16000	12000	7100	21000
Ethene	ng/l	580916	439458	569	260000	230000	230000	1200000	270000	260000	500000	900000	370000 J	960000
Field Parameters														
pH	S.U.	6.80	6.62	6.31	6.64	6.81	6.76	5.59	6.73	7.04	5.66	6.69	6.34	7.74
Specific Conductivity	umhos/cm	1160	2856	6720	3448	2290	2390	1683	2258	2130	2570	2740	2470	1465
Dissolved Oxygen	mg/l	0.65	0.78	10.48	8.38	4.23	0.42	1.76	0.85	0	0	0.4	0.44	0.11
Redox Potential	mV	122.2	158.7	194.2	160.4	346.5	215.6	247.9	198.8	57	-108	-108	-91	189
Temperature	°C	17.89	17.6	26.45	19.08	16.40	19.06	17.91	17.38	16.30	16.5	16.78	17.5	17.12

mg/l - milligrams per liter.
S.U. - Standard Units.
mV - Millivolts.
°C - Degrees Celsius.
J - Value is estimated.
B - Blank contamination.
NA - Not Analyzed.
umhos/cm - Micromohs/centimeter.
ng/l - nanograms per liter.
Samples collected in September 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 13. Bioattenuation Parameter Results for Groundwater Samples Collected in Reactive Zone 1, General Motors Corporation, Moraine, Ohio.

RZ-1		Downgradient Well GM-28																	
Constituents	**Units**	**9/1/99**	**2/23/00**	**5/26/00**	**9/21/00**	**3/20/01**	**6/26/01**	**11/15/01**	**12/12/01**	**7/21/02**	**9/24/02**	**5/23/03**	**10/1/03**	**4/30/04**	**9/15/04**	**10/18/05**	**9/27/06**	**9/20/07**	**10/22/08**
Inorganics & TOC																			
Nitrate	mg/l	0.08	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	mg/l	0.06	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/l	<0.30	<0.30	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	mg/l	3.2	1.15	6.26	4.1	0.594	2.24	0.58	0.47	1.1	0.48B	0.69J	0.42J	0.34	0.37	0.45	0.46	0.44 J	1.4
Manganese (Dissolved)	mg/l	0.068	0.449	6.71	3.94	0.477	1.76	0.61	0.49	1.1	0.41B	0.29J	0.40J	0.32	0.36	0.45	0.43	0.43 J	1.5
Iron (Total)	mg/l	106	25.3	22.7	58.9	29.6	59	23.6	23.5	36.2	28.7	47.9	23.4J	17.6	15.7	16.1	14.5	11.7	23.4
Iron (Dissolved)	mg/l	<0.10	0.59	23.3	48.3	2.65	49.8	23.3	23.7	34.7	23.4	16.7	22.4J	16.4	15.1	15.2	13.1	10.7	23.7
Iron (Ferrous)	mg/l	0	0.03	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	89	43	<5	<5	9	106	<5	<5	<5	18	65J	31J	89	93 J	91	75	77	33
Sulfide	mg/l	<4	<1	<1	<1	<1	<1	1.5	<1.0	2.0	4.3	2.5	<1.0	< 1 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U
Total Organic Carbon	mg/l	15	24	742	571	90.0	360	74	68B	140	23	15	17	15 J	8	10	7	8 J	310
Chloride	mg/l	208	664	805	782	1030	508	730B	560	370	450	350	270J	320	340	320	320	300 J	260
Permanent Gases																			
Carbon Dioxide	mg/l	41.52	63.57	16.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	mg/l	2.32	0.59	0.64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen	mg/l	19.42	16.39	19.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	mg/l	0.002487	0.001832	0.21	1.70	13.0	13.0	13	20	19	14	8.9	11	7.9	6.6	2.8	2.5	2.3	2.9
Carbon Monoxide	mg/l	<0.40	<0.40	<0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Light Hydrocarbon Scan																			
Ethane	ng/l	750	493	865	1198	42000	39000	91000	98000	420000	300000	310000	230000	160000	150000	81000	73000	72000	52000
Ethene	ng/l	48	98	646	1794606	57000	5000	1100	1400	8800	12000	74000	430	160	54	< 210 U	< 25 U	62	9300
Field Parameters																			
pH	S.U.	7.02	6.92	7.01	7.18	7.10	6.64	6.50	7.45	6.84	7.24	6.86	6.80	NA	6.85	5.47	7.08	6.72	6.49
Specific Conductivity	umhos/cm	1359	3124	4402	4538	3724	3216	3136	3700	2187	2195	2132	1501	NA	2030	2230	1880	1.95	1428
Dissolved Oxygen	mg/l	0.95	1.45	2.52	6.78	4.36	0.41	0.83	0.20	0.68	0.35	1.41	0.34	NA	0	0	0.29	0.64	0.13
Redox Potential	mV	90.5	56.0	-93.7	-200.1	-70.6	-177.8	-148.2	-203	-153.3	-135.3	-93.1	-146.9	NA	-165	-166	-183	-152	27
Temperature	°C	16.4	18.48	19.24	20.21	18.93	19.04	19.24	18.92	20.44	18.68	16.88	17.97	NA	16.2	15.9	16.33	17.1	16.38

mg/l - milligrams per liter.
S.U. - Standard Units.
mV - Millivolts.
°C - Degrees Celsius.
J - Value is estimated.
B - Blank contamination.
NA - Not Analyzed.
umhos/cm - Micromohs/centimeter.
ng/l - nanograms per liter.
Samples collected in September 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 14. Bioattenuation Parameter Results for Groundwater Samples Collected in Reactive Zone 3 West, General Motors Corporation, Moraine, Ohio.

RZ-3 West		Upgradient Well EAST													
Constituents	**Units**	**9/21/99**	**2/23/00**	**5/25/00**	**9/22/00**	**3/19/01**	**11/12/01**	**12/11/01**	**6/12/02**	**9/23/02**	**5/21/03**	**9/25/03**	**9/13/04**	**10/18/05**	**9/21/06**
Inorganics & TOC															
Nitrate	mg/l	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	mg/l	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/l	<0.30	<0.30	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	mg/l	0.627	0.474	0.361	0.227	0.182	0.20B	0.21B	0.56B	0.28B	0.12J	0.23J	0.19	1.4	0.92
Manganese (Dissolved)	mg/l	0.098	0.157	0.116	0.136	0.129	0.18B	0.17B	0.20B	0.16B	0.041J	0.096	0.047	0.10	0.12
Iron (Total)	mg/l	4.82	5.55	5.3	2.26	1.17	0.21	0.29	7.9	0.89	0.16	0.64	0.4	5.1	14
Iron (Dissolved)	mg/l	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.10	< 0.1 U	< 0.10 U	< 0.1 U
Iron (Ferrous)	mg/l	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	75	130	117	96	101	130	120	170	95	63J	110	54 J	130	71
Sulfide	mg/l	<1	<1	<1	<1	<1.0	1.2	1.6	<1.0	<1.0	<1	2.1	< 1 U	< 1.0 U	< 1 U
Total Organic Carbon	mg/l	3	10	4	<1	<1.0	3B	2	4	2	<1	1	0.5 B	4	2
Chloride	mg/l	283	254	194	196	198	190B	180	270	310	250	310J	290	370	430
Permanent Gases															
Carbon Dioxide	mg/l	34.69	58.08	52.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	mg/l	1.88	0.97	1.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen	mg/l	17.88	17.50	19.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	mg/l	0.000571	0.003269	0.01158	1.08	1.100	0.310	0.15	0.0042	0.0027	0.00055	0.0013	0.0012	< 0.0058 U	0.0018
Carbon Monoxide	mg/l	<0.40	<0.40	<0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Light Hydrocarbon Scan															
Ethane	ng/l	32	39	118	126	2600	2000	1800	440	50	13	14	20	< 76 U	28
Ethene	ng/l	18	107	57	73	190	150	56	170	37	34	21	20	< 210 U	43
Field Parameters															
pH	S.U.	6.99	7.04	7.00	7.11	7.34	7.15	7.32	7.02	7.18	6.69	6.94	7.18	6.17	6.88
Specific Conductivity	umhos/cm	1777	1955	1503	1133	1189	1363	1480	1439	1467	1506	1548	1700	2190	2120
Dissolved Oxygen	mg/l	0.30	0.37	2.76	1.68	1.00	1.73	0.05	1.05	1.82	1.79	1.04	0.94	0	0.52
Redox Potential	mV	14.9	122.9	144.5	143.7	468.4	177.1	86	306.5	215.6	201	147.6	195	189	104
Temperature	^{o}C	21.21	19.38	19.32	20.30	19.60	18.68	18.69	19.61	19.62	19.45	18.47	17.4	17.5	18.03

mg/l - milligrams per liter.
S.U. - Standard Units.
mV - Millivolts.
^{o}C - Degrees Celsius.
J - Value is estimated.
B - Blank contamination.
NA - Not Analyzed.
umhos/cm - Micromohs/centimeter.
ng/l - nanograms per liter.
Samples collected in September 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 14. Bioattenuation Parameter Results for Groundwater Samples Collected in Reactive Zone 3 West, General Motors Corporation, Moraine, Ohio.

RZ-3 West		Downgradient Well GM-32															
Constituents	**Units**	**9/22/99**	**2/28/00**	**5/30/00**	**9/25/00**	**3/19/01**	**11/12/01**	**12/11/01**	**6/12/02**	**9/20/02**	**5/23/03**	**10/1/03**	**9/14/04**	**10/19/05**	**9/19/06**	**9/18/07**	**9/23/08**
Inorganics & TOC																	
Nitrate	mg/l	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	mg/l	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/l	2.29	2.00	19.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	mg/l	0.147	0.516	0.051	0.30	0.17	0.16B	0.087B	0.043B	0.053B	0.1J	0.13J	0.13 J	0.076	0.088	0.077 J	0.051
Manganese (Dissolved)	mg/l	0.052	0.061	0.048	0.31	<0.050	0.020B	0.024B	0.042B	0.028B	0.077J	0.11J	0.13 J	0.067	0.078	0.072 J	0.056
Iron (Total)	mg/l	8.14	42.4	18.4	81.0	13.0	16.5	10.5	7.5	8.4B	21.3	31.4J	33.9	22.0	24.7	20	14
Iron (Dissolved)	mg/l	3.53	0.59	17.1	81.6	3.17	5.2	6.5	8.1	6.8B	18.7	30.5J	34.5	19.8	24.5	19.5	13.6
Iron (Ferrous)	mg/l	1.8	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	30	<5	<10	<10	<20	5	4J	1J	<5	<5	<5	< 5 U	< 5 U	< 5 U	< 5 U	24
Sulfide	mg/l	<1	<10	<1	<1	1.60	<1	<1.0	0.50J	1.3	0.86B	7.3	16	4.1	1	14	7.7
Total Organic Carbon	mg/l	68	1200	2020	2720	1120	320B	250	240	160	150	170	240 J	300	260	290 J	95
Chloride	mg/l	317	638	740	740	798	700B	630	470	510	390	510J	530	550	560	560 J	400
Permanent Gases																	
Carbon Dioxide	mg/l	39.79	8.94	24.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	mg/l	1.67	0.85	<0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen	mg/l	14.93	15.23	2.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	mg/l	2.73	7.06	14.91	16.84	29	29	38	24	32	24	19	25	30 J	26	26	25
Carbon Monoxide	mg/l	<0.40	<0.40	<0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Light Hydrocarbon Scan																	
Ethane	ng/l	1649	9965	1029	189	7900	42000	72000	84000	94000	74000	46000	57000	85000 J	76000	73000	58000
Ethene	ng/l	86509	163855	472312	510593	150000	130000	90000	93000	49000	9900	3400	2000	1900 J	2400	1200	940
Field Parameters																	
pH	S.U.	7.54	8.59	7.64	7.73	8.36	8.42	8.13	8.55	8.13	6.41	6.81	6.86	6.3	6.84	7	7.13
Specific Conductivity	umhos/cm	2750	9030	9195	9225	7483	6874	6200	5432	4289	3908	3192	4210	4810	4510	4240	3220
Dissolved Oxygen	mg/l	0.09	0.23	10.82	2.55	0.36	0.07	0.03	1.14	0.22	1.93	0.31	0	0	0.21	0.45	1.79
Redox Potential	mV	-226.4	-279.1	-213.6	-353.8	-152.5	-222.8	-279	-220.5	-227.1	-204.6	-154.4	-160	-191	-193	-161	-200
Temperature	°C	19.27	19.72	23.48	19.27	19.30	18.84	18.62	20.83	19.81	19.31	18.47	17.2	17.0	17.7	16.7	18.71

mg/l - milligrams per liter.
S.U. - Standard Units.
mV - Millivolts.
°C - Degrees Celsius.
J - Value is estimated.
B - Blank contamination.
NA - Not Analyzed.
umhos/cm - Micromohs/centimeter.
ng/l - nanograms per liter.
Samples collected in September 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 14. Bioattenuation Parameter Results for Groundwater Samples Collected in Reactive Zone 3 West, General Motors Corporation, Moraine, Ohio.

RZ-3 West		Downgradient Well GM-8									Downgradient Well GM-6								
Constituents	**Units**	**3/6/98**	**9/20/99**	**9/20/02**	**12/9/03**	**9/14/04**	**10/19/05**	**9/19/06**	**9/18/07**	**9/23/08**	**3/6/98**	**9/20/99**	**9/20/02**	**12/9/03**	**9/14/04**	**10/19/05**	**9/19/06**	**9/18/07**	**9/24/08**
Inorganics & TOC																			
Nitrate	mg/l	<4.4	0	NA	NA	NA	NA	NA	NA	NA	<4.4	0	NA	NA	NA	NA	NA	NA	NA
Nitrite	mg/l	<0.033	0	NA	NA	NA	NA	NA	NA	NA	<0.033	0	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/l	1.69	1.95	NA	NA	NA	NA	NA	NA	NA	<0.300	<0.30	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	mg/l	0.204	0.125	0.085B	0.21	0.13	0.17	0.16	0.12 J	0.027	1.07	1.11	0.27B	0.57	0.43	0.50	0.54	0.4 J	0.14
Manganese (Dissolved)	mg/l	0.229	0.125	0.084B	0.21	0.14	0.15	0.15	0.11 J	0.026	1	0.958	0.24B	0.53	0.47	0.49	0.54	0.39 J	0.13
Iron (Total)	mg/l	1.01	0.27	0.55B	1.9	1.8	3.2	3.4	3.3	0.69	1.32	0.27	0.40B	5.7	3.2	5.4	5.7	6.7	2.9
Iron (Dissolved)	mg/l	1.22	0.26	0.52B	1.9	1.8	2.8	3.1	3	0.64	<0.1	<0.10	0.30B	1.9	3.1	4.8	5.6	6.3	2.6
Iron (Ferrous)	mg/l	<0.2	0	NA	NA	NA	NA	NA	NA	NA	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	59	54	59	<5	13 J	27	24	49	32	93	83	43	27	26 J	52	55	66	26
Sulfide	mg/l	<1	<1	<1.0	<1.0	2	< 1.0 U	1.8	0.86 J	0.54 J	<1	<1	<1.0	<1.0	3.4	< 1.0 U	< 1 U	< 1 U	6.5
Total Organic Carbon	mg/l	7	8	16	20	19 J	19	16	16 J	12	3	4	17	12	16 J	6	7	8 J	14 J
Chloride	mg/l	248	216	180	180J	190	260	320	360 J	250	227	247	170	190J	230	290	340	400 J	250
Permanent Gases																			
Carbon Dioxide	mg/l	15.8	9.91	NA	NA	NA	NA	NA	NA	NA	47.4	48.44	NA	NA	NA	NA	NA	NA	NA
Oxygen	mg/l	1.1	0.92	NA	NA	NA	NA	NA	NA	NA	1.57	2.23	NA	NA	NA	NA	NA	NA	NA
Nitrogen	mg/l	19.7	25.42	NA	NA	NA	NA	NA	NA	NA	20.5	21.77	NA	NA	NA	NA	NA	NA	NA
Methane	mg/l	1.48	2.47	8.5	14	9	8.1 J	7.2	9.1	4.4	0.008337	0.006916	7.8	7.8	7.2	4.4 J	3.5	5.3	5.2
Carbon Monoxide	mg/l	<0.4	<0.40	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.40	NA	NA	NA	NA	NA	NA	NA
Light Hydrocarbon Scan																			
Ethane	ng/l	370	1134	13000	12000	18000	17000 J	7200	10000	22000	47	67	10000	2400	5000	870 J	520	660	13000
Ethene	ng/l	12233	39617	3700	440	56	< 76 U J	1200	32	140	91	97	4900	750	2000	3600 J	1700	1800	680
Field Parameters																			
pH	S.U.	7.7	7.98	8.18	7.2	7.76	6.45	7.31	7.21	8.1	7	7.05	7.46	7.76	7.16	6.06	6.8	6.84	7.17
Specific Conductivity	umhos/cm	1539	1584	1734	1870	1900	2080	2120	2300	2060	1422	1493	1658	2080	1830	1880	1920	2130	2160
Dissolved Oxygen	mg/l	0.16	0.28	0.37	0.04	0	0	0.53	0.70	0	0.88	0.48	0.34	0.03	0	0	0.24	0.51	1.43
Redox Potential	mV	-145	-49.8	-150.6	-137	-186	-162	-160	-125	-262	57.6	26.5	-27.7	-223	-111	-107	-111	-86	-159
Temperature	°C	17.53	19.09	19.20	18.17	16.6	16.3	18.1	17	17.6	18.49	21.07	19.07	17.71	16.8	16.8	17.3	17.5	16.51

mg/l - milligrams per liter.
S.U. - Standard Units.
mV - Millivolts.
°C - Degrees Celsius.
J - Value is estimated.
B - Blank contamination.
NA - Not Analyzed.
umhos/cm - Micromohs/centimeter.
ng/l - nanograms per liter.
Samples collected in September 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 15. Bioattenuation Parameter Results for Groundwater Samples Collected in Reactive Zone 3 East, General Motors Corporation, Moraine, Ohio.

RZ-3 East		Upgradient Well GM-22															
Constituents	**Units**	**9/1/99**	**2/23/00**	**5/25/00**	**9/21/00**	**3/20/01**	**11/13/01**	**12/12/01**	**6/13/02**	**9/25/02**	**5/22/03**	**9/24/03**	**9/14/04**	**10/17/05**	**9/20/06**	**9/26/07**	**10/3/08**
Inorganics & TOC																	
Nitrate	mg/l	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	mg/l	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/l	<0.30	<0.30	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	mg/l	0.089	0.273	0.355	0.422	0.458	0.74B	0.63	0.38B	0.029B	0.031J	0.027J	0.1 J	0.040	0.26	0.071 J	0.033
Manganese (Dissolved)	mg/l	0.096	0.263	0.328	0.403	0.413	0.73B	0.62	0.40B	0.093B	0.023J	0.020J	0.035 J	0.026	0.18	0.015 J	< 0.015 U
Iron (Total)	mg/l	<0.10	0.16	0.96	0.94	0.28	<0.10	<0.10	0.11B	0.18	0.22	0.23	1.6	0.19	2.1	1	0.68
Iron (Dissolved)	mg/l	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.1	<0.10	< 0.1 U	< 0.10 U	< 0.1 U	< 0.1 U	< 0.1 U
Iron (Ferrous)	mg/l	0.6	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	49	125	120	117	99	300	150	120	70	72J	77	49 J	52	48	66	42
Sulfide	mg/l	<1	<1	<1	<1	<1.0	<1	<1.0	<1.0	0.40J	0.54B	1.6	< 1 U	< 1.0 U	< 1 U	< 1U	1.5
Total Organic Carbon	mg/l	6	4	4	<1	<1.0	16B	6B	3	2	<1	1	1 J	2	2	< 2 U	1
Chloride	mg/l	246	270	279	248	326	220B	280	290	370	350	350J	370	330	420	390 J	240
Permanent Gases																	
Carbon Dioxide	mg/l	40.15	43.99	40.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	mg/l	1.05	0.86	1.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen	mg/l	23.38	19.43	21.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	mg/l	0.05818	0.23	0.18	0.000967	0.280	0.067	0.16	0.039	0.014	0.00039	1.2	0.02	< 0.012 U	< 0.0047 U	0.0016	0.0043
Carbon Monoxide	mg/l	<0.40	<0.40	<0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Light Hydrocarbon Scan																	
Ethane	ng/l	42	91	69	29	83	130	120	140	270	13	8.4	340	< 810 U	< 83 U	22 J	13 J
Ethene	ng/l	67	32	64	111	39	210	12	54	62	27	11	12	< 810 U	< 59 U	11 J	< 25 U
Field Parameters																	
pH	S.U.	7.12	7.15	7.08	7.17	7.00	7.33	7.39	7.21	7.02	6.89	7.04	7.10	6.88	6.97	6.78	6.76
Specific Conductivity	umhos/cm	1373	1975	1671	1684	1610	1753	2020	1415	1720	1730	1597	1760	1930	2080	2170	1280
Dissolved Oxygen	mg/l	0.32	0.46	0.49	1.73	0.82	0.01	0.15	0.94	2.14	1.04	1.2	0	0	0.27	1.18	3.15
Redox Potential	mV	62.2	70.2	26.1	-80.8	175.1	54.8	-110	105.2	181.2	116.6	74.6	62	68	51	79	174
Temperature	°C	19.41	18.87	20.87	22.28	20.79	19.45	18.99	20.29	19.49	18.62	18.45	17.2	16.9	17.46	18.1	16.79

mg/l - milligrams per liter.
S.U. - Standard Units.
mV - Millivolts.
°C - Degrees Celsius.
J - Value is estimated.
B - Blank contamination.
NA - Not Analyzed.
umhos/cm - Micromohs/centimeter.

ng/l - nanograms per liter.
Samples collected in September 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 15. Bioattenuation Parameter Results for Groundwater Samples Collected in Reactive Zone 3 East, General Motors Corporation, Moraine, Ohio.

RZ-3 East		Downgradient Well GM-21															
Constituents	**Units**	**9/22/99**	**2/23/00**	**5/26/00**	**9/22/00**	**3/19/01**	**11/13/01**	**12/11/01**	**6/12/02**	**9/25/02**	**5/22/03**	**9/24/03**	**9/14/04**	**10/17/05**	**9/20/06**	**9/26/07**	**10/3/08**
Inorganics & TOC																	
Nitrate	mg/l	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	mg/l	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/l	<0.30	<0.3	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	mg/l	0.321	0.233	0.215	0.336	0.298	0.30B	0.30B	0.31B	0.29B	0.32J	0.37J	0.35 J	0.17	0.19	0.27 J	0.78
Manganese (Dissolved)	mg/l	0.273	0.225	0.212	0.312	0.291	0.32B	0.29B	0.29B	0.25B	0.26J	0.38J	0.33 J	0.16	0.19	0.27 J	0.77
Iron (Total)	mg/l	2.58	0.30	0.83	0.63	0.11	<0.10	0.16	0.65	0.56	12.6	0.27	2.3	26.9	10.7	9.2	17.9
Iron (Dissolved)	mg/l	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	<0.10	<0.10	1.4	0.47	< 0.1 U	25.5	10.7	8.9	16.7
Iron (Ferrous)	mg/l	0.4	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	103	102	80	102	118	120	100	76	76	55J	82	79 J	< 5 U	35	17	38
Sulfide	mg/l	<1	<1	<1	<1	<1	<1	1.9	0.50J	0.40J	0.54B	1.5	2.9	< 1.0 U	< 1 U	< 1 U	1.5
Total Organic Carbon	mg/l	1	3	2	<1	<1	2B	1	0.9J	2	2	2	2 J	92	7	14 J	18
Chloride	mg/l	136	145	126	129	165	140	150	170	180	160	190J	190	190	240	260 J	240
Permanent Gases																	
Carbon Dioxide	mg/l	37.04	37.40	18.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	mg/l	1.41	0.99	1.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen	mg/l	23.40	21.67	23.64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	mg/l	0.03744	0.01769	0.01370	0.04218	0.048	0.049	0.035	0.022	0.03	0.031	1.5	0.077	17	4.9	30	28
Carbon Monoxide	mg/l	<0.40	<0.40	<0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Light Hydrocarbon Scan																	
Ethane	ng/l	72	67	84	72	82	76	120	150	120	130	30	140	9800	27000	290000 J	77000
Ethene	ng/l	169	38	70	69	46	46	100	120	64	570	520	250	330000	63000	80000	13000
Field Parameters																	
pH	S.U.	6.99	7.22	7.06	7.21	7.85	7.50	7.45	7.22	7.09	6.76	7.05	7.19	6.73	6.9	6.64	6.05
Specific Conductivity	umhos/cm	1188	1299	1048	1096	1067	1190	1360	1045	1245	968	1181	1180	1640	1580	1870	1405
Dissolved Oxygen	mg/l	0.66	0.60	0.40	0.99	0.57	0.04	0.04	0.63	0.41	0.83	0.75	0	0	0.25	0.46	0.12
Redox Potential	mV	-26.9	113.3	167.1	153.9	218.5	168.8	-25	373.8	238.1	77.1	-26.7	-7	-140	-137	-126	68
Temperature	°C	20.43	18.43	17.92	19.03	17.59	16.73	15.82	18.67	18.67	17.54	18.39	17.1	16.4	16.94	17.2	16.5

mg/l - milligrams per liter.
S.U. - Standard Units.
mV - Millivolts.
°C - Degrees Celsius.
J - Value is estimated.
B - Blank contamination.
NA - Not Analyzed.
umhos/cm - Micromohs/centimeter.

ng/l - nanograms per liter.
Samples collected in September 1999 represent baseline conditions.
Carbon source introductions began in December 1999.

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Table 16. Bioattenuation Parameter Results for Groundwater Samples Collected in Reactive Zone 4 East, General Motors Corporation, Moraine, Ohio.

RZ-4 East		Upgradient Well WEST			Upgradient Well GM-19S															
Constituents	**Units**	**9/21/99**	**2/23/00**	**5/25/00**	**9/20/99**	**2/23/00**	**5/24/00**	**9/22/00**	**3/19/01**	**11/20/01**	**12/11/01**	**6/12/02**	**9/26/02**	**5/21/03**	**9/25/03**	**9/13/04**	**10/18/05**	**9/21/06**	**9/17/07**	**9/23/08**
Inorganics & TOC																				
Nitrate	mg/l	0	0	0	11	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	mg/l	17.6	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/l	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	mg/l	0.391	0.038	0.029	0.726	1.09	0.247	0.238	0.191	0.20	0.21B	0.25B	0.39B	0.3J	0.23J	0.25	0.24	0.99	0.28 J	0.16
Manganese (Dissolved)	mg/l	0.383	<0.010	<0.010	0.185	0.205	0.200	0.187	0.155	0.19	0.18B	0.18B	0.19B	0.2J	0.21J	0.16	0.20	0.94	0.15 J	0.16
Iron (Total)	mg/l	0.27	0.40	0.37	16.9	39.4	1.19	0.40	0.90	0.091	0.18	0.26	0.44	0.17	0.96	3	0.38	1.6	12.7	7.4
Iron (Dissolved)	mg/l	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.1	<0.10	< 0.1 U	< 0.10 U	1.4	9.4	7.3
Iron (Ferrous)	mg/l	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	73	129	155	127	131	131	118	113	100	90	110	110	150J	150	110 J	83	95	63	68
Sulfide	mg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.96J	<1.0	<1.0	<1	1.3	1.6	< 1.0 U	< 1 U	< 1 U	< 1 U
Total Organic Carbon	mg/l	2	7	3	2	7	5	<1	<1	2B	1	1	3	2	2	1	3	22	6 J	3
Chloride	mg/l	260	166	164	247	197	168	165	158	130B	150	140	210	270	300J	310	320	350	400 J	390
Permanent Gases																				
Carbon Dioxide	mg/l	50.41	67.57	61.09	41.85	57.12	50.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	mg/l	1.30	1.50	2.20	4.43	1.01	1.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen	mg/l	13.24	13.74	17.1	20.87	17.07	17.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	mg/l	0.001409	0.000217	0.002179	0.00986	0.002712	0.003325	0.003706	0.039	0.005	0.0088	0.002	0.46	0.0021	0.0022	0.0014	< 0.0065 U	0.025	7.5	0.79
Carbon Monoxide	mg/l	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Light Hydrocarbon Scan																				
Ethane	ng/l	37	33	57	71	104	139	184	210	300	350	410	730	170	80	48	< 250 U	730	7800	550
Ethene	ng/l	100	17	47	55	45	43	36	61	34	27	130	770	78	45	51	< 220 U	550	22000	30000
Field Parameters																				
pH	S.U.	6.89	6.97	6.97	7.05	7.05	7.00	7.19	7.14	7.28	7.31	7.09	7.02	6.71	6.93	7.13	5.97	6.84	7.03	7.1
Specific Conductivity	umhos/cm	1759	1640	1547	1500	1784	1548	1235	1097	1190	1350	1052	1474	1706	1726	1970	1940	2150	2010	2290
Dissolved Oxygen	mg/l	0.41	1.73	1.50	0.92	0.30	1.94	1.36	0.96	1.75	0.06	0.90	0.47	2.01	1.87	0	0	0.3	0.43	1.87
Redox Potential	mV	106.2	139.1	198.3	31.3	149.6	200.1	187.7	320.8	195.6	13	446.3	259.6	178.3	135	160	122	-82	-145	-153
Temperature	°C	21.44	19.90	19.75	20.85	18.69	20.80	20.09	20.14	19.24	19.10	20.39	20.36	20.22	19.57	18.6	17.6	17.9	17.5	16.9

mg/l - milligrams per liter.
S.U. - Standard Units.
mV - Millivolts.
°C - Degrees Celsius.
J - Value is estimated.
B - Blank contamination.
NA - Not Analyzed.
umhos/cm - Micromohs/centimeter.
ng/l - nanograms per liter.
Samples collected in September 1999 represent baseline conditions.
Carbon source introductions began in August 2006.

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Table 17. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Upgradient of the Site		On-Site				
		HR-9	HR-11	HR-4	W-2-N	W-3-N	W-4-N	HR-2
		9/30/2008	9/25/2008	9/30/2008	9/29/2008	9/29/2008	9/29/2008	10/1/2008
	Units	Upper Aquifer	Upper Aquifer	Upper Aquifer	Upper Aquifer	Upper Aquifer	Upper Aquifer	Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	8.2	< 1 U	< 1 U	< 1 U	< 3.3 U	0.39 J	< 1 U
1,1-Dichloroethane	ug/l	58	5.2	4.1	< 1 U	< 3.3 U	1.9	4.6
1,1-Dichloroethene	ug/l	0.49 J	< 1 U	< 1 U	< 1 U	< 3.3 U	< 1 U	< 1 U
Benzene	ug/l	< 2.5 U	< 1 U	< 1 U	< 1 U	< 3.3 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/l	32	< 1 U	0.23 J	1.7	98	11	3.4
Ethylbenzene	ug/l	< 2.5 U	< 1 U	< 1 U	< 1 U	< 3.3 U	< 1 U	< 1 U
Tetrachloroethene	ug/l	< 2.5 U	< 1 U	0.44 J	< 1 U	< 3.3 U	0.38 J	< 1 U
Toluene	ug/l	< 2.5 U	< 1 U	< 1 U	< 1 U	< 3.3 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/l	4.5	< 1 U	< 1 U	< 1 U	1.4 J	0.92 J	0.47 J
Trichloroethene	ug/l	11	< 1 U	0.31 J	0.47 J	< 3.3 U	8.4	0.36 J
Vinyl chloride	ug/l	< 2.5 U	< 1 U	< 1 U	< 1 U	3.8	0.34 J	< 1 U
Xylene (total)	ug/l	< 5 U	< 2 U	< 2 U	< 2 U	< 6.7 U	< 2 U	< 2 U
Total VOCs	**ug/l**	**114.19**	**5.2**	**5.08**	**2.17**	**103.2**	**23.33**	**8.83**

ug/l - Micrograms per liter.
All QA/QC results for 2008 data are shown in Appendix C.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table 17. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

	Units	HR-3 10/2/2008 Upper Aquifer	HR-5 9/29/2008 Upper Aquifer	HR-1 9/29/2008 Upper Aquifer	On-Site GM-30 10/6/2008 Upper Aquifer	GM-23 10/23/2008 Upper Aquifer	GM-27 10/23/2008 Upper Aquifer	GM-29 10/6/2008 Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	0.84 J	< 1 U	0.77 J	< 10 U	< 62 U	< 1.4 U	12 J
1,1-Dichloroethane	ug/l	16	0.48 J	1.8 J	11	< 62 U	2	11 J
1,1-Dichloroethene	ug/l	0.27 J	< 1 U	< 2.5 U	< 10 U	< 62 U	< 1.4 U	< 33 U
Benzene	ug/l	< 1 UJ	< 1 U	< 2.5 U	< 10 U	< 62 U	< 1.4 U	< 33 U
cis-1,2-Dichloroethene	ug/l	17	5.4	5	< 10 U	2000	11	900
Ethylbenzene	ug/l	< 1 U	< 1 U	< 2.5 U	300	< 62 U	< 1.4 U	< 33 U
Tetrachloroethene	ug/l	< 1 U	< 1 U	27	< 10 U	71	0.9 J	17 J
Toluene	ug/l	< 1 U	< 1 U	< 2.5 U	< 10 U	< 62 U	< 1.4 U	< 33 U
trans-1,2-Dichloroethene	ug/l	1.6	0.59 J	2 J	< 10 U	58 J	0.51 J	16 J
Trichloroethene	ug/l	32	13	70	< 10 U	< 62 U	57	300
Vinyl chloride	ug/l	2.2	< 1 U	< 2.5 U	< 10 U	2100	0.44 J	150
Xylene (total)	ug/l	< 2 U	< 2 U	< 5 U	670	< 120 U	< 2.9 U	< 67 U
Total VOCs	**ug/l**	**69.91**	**19.47**	**106.57**	**981**	**4,229**	**71.85**	**1,406**

ug/l - Micrograms per liter.
All QA/QC results for 2008 data are shown in Appendix C.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table 17. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

	Units	GM-28 10/22/2008 Upper Aquifer	GM-59 10/3/2008 Upper Aquifer	GM-60 10/3/2008 Upper Aquifer	On-Site GM-75S 10/6/2008 Upper Aquifer	ME-6 10/22/2008 Upper Aquifer	GM-31 10/23/2008 Upper Aquifer	ME-3 10/22/2008 Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	< 5 U	< 33 U	< 25 U	< 20 U	2.7	2.9	2.1
1,1-Dichloroethane	ug/l	2.2 J	< 33 U	< 25 U	< 20 U	11	3.2	1.8
1,1-Dichloroethene	ug/l	< 5 U	< 33 U	< 25 U	< 20 U	< 1 U	< 2.5 U	< 1 U
Benzene	ug/l	< 5 U	< 33 U	< 25 U	< 20 U	< 1 U	< 2.5 U	< 1 U
cis-1,2-Dichloroethene	ug/l	6.9	41	360	< 20 U	5.2	76	1.4
Ethylbenzene	ug/l	< 5 U	< 33 U	< 25 U	< 20 U	< 1 U	< 2.5 U	< 1 U
Tetrachloroethene	ug/l	< 5 U	750	900	690	7.7	< 2.5 U	8.1
Toluene	ug/l	< 5 U	< 33 U	< 25 U	< 20 U	< 1 U	< 2.5 U	< 1 U
trans-1,2-Dichloroethene	ug/l	1.3 J	< 33 U	< 25 U	< 20 U	0.25 J	3	< 1 U
Trichloroethene	ug/l	< 5 U	750	920	250	9	78	4.9
Vinyl chloride	ug/l	6.5	< 33 U	< 25 U	< 20 U	1.7	0.9 J	0.7 J
Xylene (total)	ug/l	< 10 U	< 67 U	< 50 U	< 40 U	< 2 U	< 5 U	< 2 U
Total VOCs	**ug/l**	**16.9**	**1,541**	**2,180**	**940**	**37.55**	**164**	**19**

ug/l - Micrograms per liter.
All QA/QC results for 2008 data are shown in Appendix C.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table 17. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

	Units	GM-22 10/3/2008 Upper Aquifer	GM-19S 9/23/2008 Upper Aquifer	GM-33 10/23/2008 Upper Aquifer	On-Site GM-35 9/29/2008 Upper Aquifer	GM-32 9/23/2008 Upper Aquifer	GM-21 10/3/2008 Upper Aquifer	HR-17 9/26/2008 Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	0.73 J	< 1 U	8.4	4.6 J	< 10 U	8.7	< 4 U
1,1-Dichloroethane	ug/l	< 1 U	13	2.9	20	4 J	15	1.1 J
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	0.58 J	< 10 U	< 10 U	0.33 J	< 4 U
Benzene	ug/l	< 1 U	< 1 U	< 1.4 U	< 10 U	< 10 U	< 1.4 U	< 4 U
cis-1,2-Dichloroethene	ug/l	< 1 U	0.68 J	4.1	92	< 10 U	38	2.7 J
Ethylbenzene	ug/l	< 1 U	< 1 U	< 1.4 U	< 10 U	< 10 U	< 1.4 U	< 4 U
Tetrachloroethene	ug/l	5.7	0.94 J	38	20	< 10 U	0.56 J	120
Toluene	ug/l	< 1 U	< 1 U	< 1.4 U	< 10 U	< 10 U	< 1.4 U	< 4 U
trans-1,2-Dichloroethene	ug/l	< 1 U	0.52 J	< 1.4 U	9.4 J	< 10 U	4.7	1 J
Trichloroethene	ug/l	5.7	3	36	88	< 10 U	18	31
Vinyl chloride	ug/l	< 1 U	9.3	< 1.4 U	7.9 J	< 10 U	19	< 4 U
Xylene (total)	ug/l	< 2 U	< 2 U	< 2.9 U	< 20 U	< 20 U	< 2.9 U	< 8 U
Total VOCs	**ug/l**	**12.13**	**27.44**	**89.98**	**241.9**	**4**	**104.29**	**155.8**

ug/l - Micrograms per liter.
All QA/QC results for 2008 data are shown in Appendix C.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table 17. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		On-Site			Downgradient of the Site			
		W-2-S	W-3-S	W-4-S	GM-63	GM-64	GM-47	GM-50
		9/25/2008	9/26/2008	9/26/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
	Units	Upper Aquifer	Upper Aquifer	Upper Aquifer	Upper Aquifer	Upper Aquifer	Upper Aquifer	Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	1.4	1.2	0.95 J	4 J	0.55 J	1.4 J	1.6 J
1,1-Dichloroethane	ug/l	0.92 J	0.21 J	1.3	2.2 J	2.7	2 J	1.7 J
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	0.21 J	< 5 U	< 1 U	< 5 U	< 2.5 U
Benzene	ug/l	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 2.5 U
cis-1,2-Dichloroethene	ug/l	0.78 J	0.52 J	6	4.9 J	15	160	13
Ethylbenzene	ug/l	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 2.5 U
Tetrachloroethene	ug/l	< 1 U	1.3	32	140	31	86	82
Toluene	ug/l	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 2.5 U
trans-1,2-Dichloroethene	ug/l	< 1 U	< 1 U	1.2	< 5 U	2.3	3.9 J	0.68 J
Trichloroethene	ug/l	5.2	2.1	16	92	14	36	54
Vinyl chloride	ug/l	< 1 U	< 1 U	< 1 U	< 5 U	2.3	1.9 J	< 2.5 U
Xylene (total)	ug/l	< 2 U	< 2 U	< 2 U	< 10 U	< 2 U	< 10 U	< 5 U
Total VOCs	**ug/l**	**8.3**	**5.33**	**57.66**	**243.1**	**67.85**	**291.2**	**152.98**

ug/l - Micrograms per liter.
All QA/QC results for 2008 data are shown in Appendix C.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table 17. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Downgradient of the Site						
	Units	GM-8 9/23/2008 Upper Aquifer	GM-6 9/24/2008 Upper Aquifer	TW-2 9/24/2008 Upper Aquifer	GM-2 9/24/2008 Upper Aquifer	GM-51 9/30/2008 Upper Aquifer	GM-16 9/30/2008 Upper Aquifer	GM-17 9/24/2008 Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	0.6 J	1.8 J	0.29 J
1,1-Dichloroethane	ug/l	1.7	< 8.4 U	< 1.9 U	< 1.1 U	0.78 J	3.8	< 1 U
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.3 U	< 1 U
Benzene	ug/l	6.8	1.2	1.4	< 1 U	< 1 U	< 3.3 U	< 1 U
cis-1,2-Dichloroethene	ug/l	< 1 U	6.7	< 5.2 U	6.7	2	20	< 1.9 U
Ethylbenzene	ug/l	8.6	< 1 U	0.76 J	< 1 U	< 1 U	< 3.3 U	< 1 U
Tetrachloroethene	ug/l	< 1 U	< 1 U	1.4	1.3	9.3	100	4.8
Toluene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.3 U	< 1 U
trans-1,2-Dichloroethene	ug/l	0.27 J	1.3	0.36 J	0.19 J	0.7 J	1.1 J	< 1 U
Trichloroethene	ug/l	< 1 U	< 1 U	7.5	2.4	7.7	48	10
Vinyl chloride	ug/l	0.48 J	2.1	1	< 1 U	< 1 U	< 3.3 U	< 1 U
Xylene (total)	ug/l	3.9	< 2 U	< 2 U	< 2 U	< 2 U	< 6.7 U	< 2 U
Total VOCs	**ug/l**	**21.75**	**11.3**	**12.42**	**10.59**	**21.08**	**174.7**	**15.09**

ug/l - Micrograms per liter.
All QA/QC results for 2008 data are shown in Appendix C.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table 17. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Downgradient of the Site						
	Units	GM-18 9/24/2008 Upper Aquifer	WSU-24 9/25/2008 Upper Aquifer	GM-52 9/30/2008 Upper Aquifer	GM-10 9/24/2008 Upper Aquifer	GM-79 10/2/2008 Upper Aquifer	GM-55 10/2/2008 Upper Aquifer	GM-78 10/2/2008 Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	2.3	0.62 J	1.9 J	0.53 J	0.65 J	< 1 U	< 1 U
1,1-Dichloroethane	ug/l	< 6.1 U	0.85 J	3	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/l	< 1.4 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U
Benzene	ug/l	< 1.4 U	< 1 U	< 2.5 U	< 1 U	< 1 UJ	< 1 UJ	< 1 UJ
cis-1,2-Dichloroethene	ug/l	13	2.4 J	14	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/l	< 1.4 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/l	16	1.7	88	0.85 J	< 1 U	7.2	11
Toluene	ug/l	< 1.4 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/l	0.79 J	0.35 J	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/l	38	12 J	43	5.9	1.8	< 1 U	< 1 U
Vinyl chloride	ug/l	< 1.4 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/l	< 2.9 U	< 2 U	< 5 U	< 2 U	< 2 U	< 2 U	< 2 U
Total VOCs	**ug/l**	**70.09**	**17.92**	**149.9**	**7.28**	**2.45**	**7.2**	**11**

ug/l - Micrograms per liter.
All QA/QC results for 2008 data are shown in Appendix C.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table 17. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Downgradient of the Site			Upgradient of the Site		On-Site	
		GM-80	GM-26	GM-65S	HR-10	HR-12	HR-15	GM-39
		9/22/2008	10/1/2008	10/6/2008	9/30/2008	9/25/2008	9/29/2008	10/1/2008
	Units	Upper Aquifer	Upper Aquifer	Upper Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	0.39 J	< 1 U	< 1 U
1,1-Dichloroethane	ug/l	0.39 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Benzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/l	3.6	< 1 U	< 1 U	< 1 U	< 1 U	3.6	0.67 J
Ethylbenzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/l	0.93 J	1.4	8.7	< 1 U	1.3	< 1 U	< 1 U
Toluene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/l	0.19 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/l	5.4	< 1 U	3.8	< 1 U	5.1	0.47 J	< 1 U
Vinyl chloride	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	9.7	3.2
Xylene (total)	ug/l	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Total VOCs	**ug/l**	**10.51**	**1.4**	**12.5**	**0**	**6.79**	**13.77**	**3.87**

ug/l - Micrograms per liter.
All QA/QC results for 2008 data are shown in Appendix C.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table 17. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

	Units	GM-83D 10/2/2008 Lower Aquifer	GM-40 9/30/2008 Lower Aquifer	GM-61 10/1/2008 Lower Aquifer	On-Site GM-75D 10/6/2008 Lower Aquifer	GM-68D 10/3/2008 Lower Aquifer	GM-82 10/2/2008 Lower Aquifer	GM-41 9/26/2008 Lower Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	< 1 U	< 1 U	< 1 U	< 33 U	< 5 U	1 J	< 7.1 U
1,1-Dichloroethane	ug/l	< 1 U	< 1 U	0.94 J	< 33 U	< 5 U	2.4 J	< 7.1 U
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	0.19 J	< 33 U	< 5 U	0.64 J	< 7.1 U
Benzene	ug/l	< 1 UJ	< 1 U	< 1 U	< 33 U	< 5 U	< 3.3 U	< 7.1 U
cis-1,2-Dichloroethene	ug/l	0.3 J	< 1 U	20	120	14	46	11
Ethylbenzene	ug/l	< 1 U	< 1 U	< 1 U	< 33 U	< 5 U	< 3.3 U	< 7.1 U
Tetrachloroethene	ug/l	< 1 U	< 1 U	13	220	190	51	< 7.1 U
Toluene	ug/l	< 1 U	< 1 U	< 1 U	< 33 U	< 5 U	< 3.3 U	< 7.1 U
trans-1,2-Dichloroethene	ug/l	< 1 U	< 1 U	0.92 J	< 33 U	< 5 U	2 J	< 7.1 U
Trichloroethene	ug/l	< 1 U	< 1 U	23	750	46	100	180
Vinyl chloride	ug/l	1.3	3.6	0.75 J	< 33 U	< 5 U	< 3.3 U	< 7.1 U
Xylene (total)	ug/l	< 2 U	< 2 U	< 2 U	< 67 U	< 10 U	< 6.7 U	< 14 U
Total VOCs	**ug/l**	**1.6**	**3.6**	**58.8**	**1,090**	**250**	**203.04**	**191**

ug/l - Micrograms per liter.
All QA/QC results for 2008 data are shown in Appendix C.
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J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table 17. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		On-Site					Downgradient of the Site	
		GM-58	GM-54	GM-42	GM-84	GM-19D	GM-3	GM-1
		9/26/2008	9/30/2008	9/30/2008	10/2/2008	9/23/2008	9/24/2008	9/24/2008
	Units	Lower Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	< 2.5 U	< 5.7 U	< 1 U	< 1 U	< 1 U	< 1 U	0.69 J
1,1-Dichloroethane	ug/l	< 2.5 U	< 5.7 U	0.66 J	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/l	< 2.5 U	< 5.7 U	0.53 J	< 1 U	< 1 U	< 1 U	< 1 U
Benzene	ug/l	< 2.5 U	< 5.7 U	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/l	< 2.5 U	< 5.7 U	20	< 1 U	2.4	< 1 U	< 1 U
Ethylbenzene	ug/l	< 2.5 U	< 5.7 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/l	80	190	< 1 U	< 1 U	< 1 U	< 1 UJ	1.8
Toluene	ug/l	< 2.5 U	< 5.7 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/l	< 2.5 U	< 5.7 U	0.89 J	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/l	< 2.5 U	2.5 J	9.9	6.6	< 1 U	< 1 UJ	31
Vinyl chloride	ug/l	< 2.5 U	< 5.7 U	0.31 J	< 1 U	9.8	< 1 U	< 1 U
Xylene (total)	ug/l	< 5 U	< 11 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Total VOCs	**ug/l**	**80**	**192.5**	**32.29**	**6.6**	**12.2**	**0**	**33.49**

ug/l - Micrograms per liter.
All QA/QC results for 2008 data are shown in Appendix C.
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J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table 17. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Downgradient of the Site				
		GM-15	GM-11	GM-20D	DN-13	GM-9
		9/30/2008	9/24/2008	9/25/2008	9/24/2008	9/24/2008
	Units	Lower Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer
Volatile Organic Compounds						
1,1,1-Trichloroethane	ug/l	< 1 U	0.47 J	0.45 J	0.63 J	1.2
1,1-Dichloroethane	ug/l	1.1	< 1 U	< 1 U	< 1.7 U	< 1 U
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Benzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/l	0.79 J	< 1 U	< 1 U	6.2	< 1 U
Ethylbenzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/l	< 1 U	1.7	2.6	< 1 U	< 1 U
Toluene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	0.44 J	< 1 U
Trichloroethene	ug/l	6.2	31	6.6	4.5	18
Vinyl chloride	ug/l	< 1 U	< 1 U	< 1 U	1.4	< 1 U
Xylene (total)	ug/l	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Total VOCs	**ug/l**	**8.09**	**33.17**	**9.65**	**13.17**	**19.2**

ug/l - Micrograms per liter.
All QA/QC results for 2008 data are shown in Appendix C.
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J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table 18. Carbon Source Solution Introduction Volumes for 2008, General Motors Corporation, Moraine, Ohio.

Location	Injection Well	January		February		March		April	
		Injection Event #93[1]		Injection Event #94[2]		Injection Event #95[3]		Injection Event #96[4]	
		Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)
Reactive Zone 1									
	RZ-1C	800	33.33	---	NA	800	33.33	800	33.33
	RZ-1D	800	23.53	---	NA	800	29.63	800	30.77
	RZ-1E	800	26.67	---	NA	800	25.81	800	27.59
	RZ-1F	800	26.67	---	NA	800	34.78	800	25.81
	RZ-1G	800	27.58	---	NA	800	25.81	800	22.22
	RZ-1H	800	20.00	---	NA	800	20.00	800	32.00
	RZ-1I	800	29.63	---	NA	800	40.00	800	33.33
	RZ-1J	800	34.78	---	NA	800	30.77	800	34.78
	RZ-1K	800	34.78	---	NA	800	30.77	800	33.33
	RZ-1L	800	33.33	---	NA	800	36.36	800	33.33
	RZ-1M	800	30.77	---	NA	800	28.57	800	33.33
	RZ-1N	800	26.67	---	NA	800	19.05	800	30.77
	RZ-1O	800	27.58	---	NA	800	32.00	800	28.57
	RZ-1P	800	26.67	---	NA	400	14.29	800	32.00
	RZ-1Q	800	36.36	---	NA	400	8.00	800	30.77
	RZ-1R	800	32.00	---	NA	800	34.78	800	32.00
	RZ-1S	---[13]	NA	---	NA	400	10.53	800	32.00
	RZ-1T	---[13]	NA	---	NA	800	32.00	800	17.39
	RZ-1U	800	29.63	---	NA	800	30.77	800	16.33

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Table 18. Carbon Source Solution Introduction Volumes for 2008, General Motors Corporation, Moraine, Ohio.

Location	Injection Well	January		February		March		April	
		Injection Event #93[1]		Injection Event #94[2]		Injection Event #95[3]		Injection Event #96[4]	
		Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)
Reactive Zone 3									
	RZ-3A	1600	23.34	1600	29.62	1600	32.78	1600	35.57
	RZ-3B	1600	26.79	1600	28.08	1600	30.82	1600	33.57
	RZ-3C	1600	31.39	1600	24.77	1600	33.00	1600	31.39
	RZ-3D	1600	22.45	1600	23.94	1600	34.18	1600	28.08
	RZ-3E	1600	22.46	1600	32.78	1600	30.29	1600	30.95
	RZ-3F	1600	30.95	1600	30.29	--[13]	NA	1600	29.18
	RZ-3G	1600	27.51	1600	32.05	--[13]	NA	1600	28.72
	RZ-3H	1600	32.21	1600	32.05	1600	34.43	1600	32.21
	RZ-3I	1600	32.05	1600	29.18	1600	30.20	1600	28.79
	RZ-3J	1600	29.67	1600	32.20	1600	30.73	1600	35.57
	RZ-3K	1600	23.36	1600	30.20	1600	27.48	1600	23.72
	RZ-3L	1600	20.65	1600	27.62	1600	30.77	1600	24.17
	RZ-3M	1600	37.23	1600	33.39	1600	33.33	1600	25.21
	RZ-3N	1600	26.05	1600	25.39	1600	28.15	1600	30.46
	RZ-3O	1600	27.43	1600	26.53	1600	47.32	1600	20.10
	RZ-3P	1600	30.95	1600	28.61	1600	30.73	1600	20.95
	RZ-3Q	1600	28.90	1600	28.91	1600	20.39	1600	17.25
	RZ-3R	1600	29.79	1600	25.56	1600	21.62	1600	20.00
	RZ-3S	1600	31.39	1600	30.29	1600	25.76	1600	12.88
	RZ-3T	1600	29.79	1600	33.39	1600	33.33	1600	12.35
	RZ-3U	1600	32.00	1600	32.78	1600	23.72	1600	16.47
	RZ-3V	1600	30.82	1600	31.52	1600	33.33	1600	10.37
	RZ-3W	1600	32.00	1600	33.39	1600	24.50	1600	10.04
	RZ-3X	1600	32.05	1600	30.81	1600	33.80	1600	14.30
	RZ-3Y	800	34.78	800	27.62	1600	34.78	1600	15.25
	RZ-3Z	1600	31.39	1600	30.20	1600	29.63	1600	23.22
	RZ-3AA	1600	30.20	1600	30.29	1600	31.19	1600	27.32
	RZ-3BB	1600	28.15	1600	30.46	1600	30.20	1600	27.89

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Table 18. Carbon Source Solution Introduction Volumes for 2008, General Motors Corporation, Moraine, Ohio.

Location	Injection Well	January		February		March		April	
		Injection Event #93[1]		Injection Event #94[2]		Injection Event #95[3]		Injection Event #96[4]	
		Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)
Reactive Zone 3									
	RZ-3CC	1600	32.67	1600	29.62	1600	23.93	1600	32.67
	RZ-3DD	1600	31.39	1600	26.24	1600	15.72	1600	31.39
	RZ-3FF	---[13]	NA	---[13]	NA	---[13]	NA	---[13]	NA
	RZ-3GG	1600	30.73	1600	19.81	---[13]	NA	---[14]	NA
	RZ-3HH	1600	31.39	1600	28.10	1600	30.46	1600	25.03
	RZ-3II	1600	30.00	1600	30.20	1600	30.29	1600	22.03
	RZ-3JJ	1600	33.57	---[13]	NA	1600	30.82	1600	31.39
	RZ-3KK	1600	23.94	---[13]	NA	1600	28.50	1600	20.05
	RZ-3RR	800 [14]	36.36	1600	26.92	1600	58.34	800 [14]	16.67
	RZ-3SS	800 [14]	20.51	800 [14]	13.56	1600	45.43	800 [14]	19.52
	RZ-3TT	1000 [14]	11.15	---[14]	NA	1600	3.95	500 [15]	5.71
	RZ-3UU	800 [14]	33.33	1600	28.90	1600	17.76	---[14]	NA
	RZ-3VV	800 [14]	32.00	1600	30.00	1600	13.09	---[14]	NA
Reactive Zone 4									
	RZ-4A	3000	30.97	3000	25.66	3000	26.81	3000	26.59
	RZ-4B	3000	37.07	3200	28.14	3000	33.43	3000	22.48
	RZ-4C	3000	22.19	3000	26.09	3000	24.23	3000	24.27
	RZ-4D	3000	39.63	3200	29.06	3000	20.86	3000	26.16
	RZ-4E	3000	40.46	3000	31.08	3000	23.67	3000	19.99
	RZ-4F	3000	33.33	3000	29.69	3000	28.49	3000	17.54
	RZ-4G	3000	41.40	---[14]	NA	3000	22.17	3000	20.61
	RZ-4H	3000	39.67	3000	28.51	3000	27.84	3000	26.95
Site-Wide Total		97,000		79,000		97,200		95,700	

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Table 18. Carbon Source Solution Introduction Volumes for 2008, General Motors Corporation, Moraine, Ohio.

Location	Injection Well	May		June		July		August	
		Injection Event #97[5]		Injection Event #98[6]		Injection Event #99[7]		Injection Event #100[8]	
		Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)
Reactive Zone 1									
	RZ-1C	800	26.66	---	NA	---[14]	NA	800	32.00
	RZ-1D	800	17.77	---	NA	800	33.33	800	30.77
	RZ-1E	800	32.00	---	NA	800	32.00	800	32.00
	RZ-1F	800	36.36	---	NA	800	32.00	800	28.57
	RZ-1G	800	13.11	---	NA	800	28.57	800	27.59
	RZ-1H	800	32.00	---	NA	800	30.77	800	23.53
	RZ-1I	800	20.51	---	NA	800	32.00	800	29.63
	RZ-1J	800	36.36	---	NA	800	30.77	800	15.69
	RZ-1K	800	25.00	---	NA	800	38.09	800	15.69
	RZ-1L	800	30.77	---	NA	800	32.00	800	30.77
	RZ-1M	800	33.33	---	NA	800	28.57	800	20.00
	RZ-1N	800	30.77	---	NA	800	33.33	800	20.00
	RZ-1O	800	33.33	---	NA	800	33.33	800	25.00
	RZ-1P	800	29.63	---	NA	800	30.77	800	36.36
	RZ-1Q	800	29.63	---	NA	800	33.33	800	22.86
	RZ-1R	800	33.33	---	NA	800	32.00	800	22.86
	RZ-1S	---[13]	NA	---	NA	800	25.81	800	12.91
	RZ-1T	800	34.78	---	NA	800	22.86	800	21.62
	RZ-1U	800	26.66	---	NA	800	15.38	800	18.18

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Table 18. Carbon Source Solution Introduction Volumes for 2008, General Motors Corporation, Moraine, Ohio.

Location	Injection Well	May		June		July		August	
		Injection Event #97[5]		Injection Event #98[6]		Injection Event #99[7]		Injection Event #100[8]	
		Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)
Reactive Zone 3									
	RZ-3A	1600	25.15	1600	27.43	1600	32.67	1600	32.00
	RZ-3B	1600	40.66	1600	30.86	1600	27.13	1600	35.05
	RZ-3C	1600	47.73	1600	28.12	1600	34.06	1600	26.24
	RZ-3D	1600	18.57	1600	30.68	1600	32.38	1600	28.91
	RZ-3E	1600	18.14	1600	27.72	1600	34.18	1600	31.48
	RZ-3F	1600	20.87	1600	25.39	1600	19.90	1600	30.72
	RZ-3G	1600	32.00	1600	27.62	1600	29.10	1600	24.12
	RZ-3H	1600	23.91	1600	19.55	1600	30.46	1600	22.42
	RZ-3I	1600	28.13	1600	27.89	1600	28.08	1600	8.64
	RZ-3J	1600	26.13	1600	27.19	1600	38.22	1600	18.33
	RZ-3K	1600	25.42	1600	35.57	1600	20.52	1600	27.13
	RZ-3L	1600	30.63	1600	26.79	1600	22.80	1600	27.89
	RZ-3M	1600	29.33	1600	24.28	1600	28.71	1600	23.03
	RZ-3N	1600	16.16	1600	21.88	1600	26.20	1600	22.64
	RZ-3O	1600	22.86	1600	32.00	1600	30.00	1600	27.32
	RZ-3P	1600	29.33	1600	21.03	1600	29.34	1600	27.00
	RZ-3Q	1600	26.66	1600	23.93	1600	25.00	1600	25.92
	RZ-3R	1600	29.33	1600	24.70	1600	30.81	1600	12.66
	RZ-3S	1600	27.62	1600	28.15	1600	19.25	1600	13.97
	RZ-3T	1600	18.65	1600	17.06	1600	19.87	1600	9.05
	RZ-3U	1600	20.27	1600	24.52	1600	8.60	1600	13.63
	RZ-3V	1600	20.61	1600	28.08	1600	11.94	1600	21.54
	RZ-3W	1600	17.85	1600	28.72	1600	29.79	1600	19.41
	RZ-3X	1600	34.18	1600	30.82	1600	21.84	1600	19.99
	RZ-3Y	1600	29.80	1600	32.21	1600	21.07	1600	21.59
	RZ-3Z	1600	36.44	1600	31.39	1600	21.47	1600	24.61
	RZ-3AA	1600	18.00	1600	23.45	1600	18.70	1600	13.68
	RZ-3BB	1600	27.11	1600	18.37	1600	23.69	1600	20.81

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Table 18. Carbon Source Solution Introduction Volumes for 2008, General Motors Corporation, Moraine, Ohio.

Location	Injection Well	May		June		July		August	
		Injection Event #97[5]		Injection Event #98[6]		Injection Event #99[7]		Injection Event #100[8]	
		Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)
Reactive Zone 3									
	RZ-3CC	1600	20.26	1600	20.19	1600	15.68	1600	21.19
	RZ-3DD	1600	21.67	1600	17.77	1600	32.20	1600	17.25
	RZ-3FF	---[13]	NA	---[13]	NA	---[13]	NA	---[13]	NA
	RZ-3GG	---[13]	NA	1600	23.55	1600	25.10	1600	29.80
	RZ-3HH	1600	24.14	1600	27.15	1600	31.39	1600	21.48
	RZ-3II	1600	26.24	1600	30.82	1600	26.48	1600	31.51
	RZ-3JJ	1600	31.39	1600	31.19	1600	25.91	1600	32.67
	RZ-3KK	1600	33.57	1600	27.15	1600	34.85	1600	29.33
	RZ-3RR	1600	31.39	1600	26.24	1600	28.72	1600	21.01
	RZ-3SS	1600	14.13	1600	29.63	1600	19.12	1600	21.84
	RZ-3TT	---[13]	NA	1600	8.30	1600	9.30	1600	13.33
	RZ-3UU	1600	19.84	1600	25.41	1600	24.34	1600	19.16
	RZ-3VV	1600	12.42	1600	24.61	1600	17.08	1600	16.41
Reactive Zone 4									
	RZ-4A	3000	38.79	3000	36.88	3000	19.94	3000	15.04
	RZ-4B	3000	36.41	3000	37.50	3000	15.29	3000	20.83
	RZ-4C	3000	38.31	3000	31.07	3000	31.12	3000	29.87
	RZ-4D	3000	40.93	3000	42.07	3000	23.34	3000	16.61
	RZ-4E	3000	36.83	3000	37.17	3000	19.45	3000	20.60
	RZ-4F	3000	26.11	3000	28.04	3000	18.46	3000	9.36
	RZ-4G	3000	37.90	3000	37.90	3000	23.83	3000	13.97
	RZ-4H	3000	32.82	3000	24.37	3000	30.35	3000	20.47
Site-Wide Total		99,200		88,000		102,400		103,200	

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Table 18. Carbon Source Solution Introduction Volumes for 2008, General Motors Corporation, Moraine, Ohio.

Location	Injection Well	September		October		November		December	
		Injection Event #101[9]		Injection Event #102[10]		Injection Event #103[11]		Injection Event #104[12]	
		Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)
Reactive Zone 1									
	RZ-1C	800	38.09	1600	18.09	800	11.26	800	19.05
	RZ-1D	800	32.00	1600	22.58	800	21.05	800	21.05
	RZ-1E	800	33.33	1600	23.23	800	26.67	800	28.57
	RZ-1F	800	32.00	1600	21.19	800	22.22	800	23.53
	RZ-1G	800	28.57	1600	18.53	800	14.29	800	33.33
	RZ-1H	800	22.86	1600	17.79	800	20.00	800	13.79
	RZ-1I	800	29.63	1600	20.78	800	19.05	800	21.62
	RZ-1J	800	27.58	1600	19.90	800	18.60	800	16.33
	RZ-1K	800	28.57	1600	16.89	200 [14]	8.33	---[13]	NA
	RZ-1L	800	38.09	1600	19.30	600 [14]	24.00	800	14.81
	RZ-1M	800	32.00	800	18.60	800	14.04	800	19.51
	RZ-1N	800	27.58	---	NA	800	16.33	400 [13]	12.50
	RZ-1O	800	32.00	800	24.24	800	19.05	400 [14]	16.66
	RZ-1P	800	32.00	800	14.81	800	25.00	800	15.09
	RZ-1Q	800	32.00	800	19.51	800	20.51	800	32.00
	RZ-1R	800	26.66	800	29.63	800	16.00	800	27.59
	RZ-1S	800	38.09	800	22.86	50 [13]	5.56	---[13]	NA
	RZ-1T	800	32.00	800	17.39	800	22.85	800	18.60
	RZ-1U	800	34.78	800	34.78	800	17.78	---[13]	NA

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Table 18. Carbon Source Solution Introduction Volumes for 2008, General Motors Corporation, Moraine, Ohio.

Location	Injection Well	September		October		November		December	
		Injection Event #101[9]		Injection Event #102[10]		Injection Event #103[11]		Injection Event #104[12]	
		Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)
Reactive Zone 3									
	RZ-3A	1600	30.00	1600	25.84	1600	20.96	1600	28.09
	RZ-3B	1600	28.82	1600	21.50	1600	14.72	1600	35.57
	RZ-3C	1600	28.12	1600	26.00	1600	38.35	1600	15.91
	RZ-3D	1600	34.06	1600	28.82	1600	19.90	1600	20.46
	RZ-3E	1600	28.82	1600	25.46	1600	23.59	1600	25.09
	RZ-3F	1600	35.57	1600	27.77	1600	30.29	1600	15.38
	RZ-3G	1600	34.06	1600	32.67	1600	20.74	1600	28.82
	RZ-3H	1600	32.00	1600	21.23	1600	22.54	1600	24.02
	RZ-3I	1600	35.05	1600	24.61	1600	19.45	1600	24.27
	RZ-3J	1600	24.76	1600	24.89	1600	21.07	1600	28.57
	RZ-3K	1600	16.42	1600	32.00	1600	19.05	1600	20.52
	RZ-3L	1600	35.57	1600	22.24	1600	23.20	1600	15.78
	RZ-3M	1600	32.77	1600	26.69	1600	22.45	1600	31.16
	RZ-3N	1600	31.68	1600	22.43	1600	20.64	1600	14.97
	RZ-3O	1600	36.36	1600	19.75	1600	22.88	1600	24.34
	RZ-3P	1600	25.10	1600	29.33	1600	31.98	1600	13.78
	RZ-3Q	1600	29.50	1600	19.55	1600	28.43	1600	16.78
	RZ-3R	1600	32.00	1600	21.88	1600	30.95	1600	17.02
	RZ-3S	1600	27.62	1600	30.29	1600	15.55	1600	17.50
	RZ-3T	1600	32.50	1600	26.28	1600	24.57	1600	22.00
	RZ-3U	1600	21.41	1600	20.95	1600	16.00	1600	43.53
	RZ-3V	1600	23.12	1600	24.76	1600	32.05	1600	42.11
	RZ-3W	1600	20.05	1600	21.11	1600	23.34	1600	44.59
	RZ-3X	1600	30.82	1600	27.19	1600	32.50	1600	47.72
	RZ-3Y	1600	16.16	1600	24.02	1600	26.59	1600	31.78
	RZ-3Z	1600	14.13	1600	25.72	1600	25.00	1600	44.44
	RZ-3AA	1600	13.40	1600	16.86	1600	31.48	1600	48.53
	RZ-3BB	1600	32.21	1600	18.12	1600	11.51	1600	47.06

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Table 18. Carbon Source Solution Introduction Volumes for 2008, General Motors Corporation, Moraine, Ohio.

Location	Injection Well	September		October		November		December	
		Injection Event #101[9]		Injection Event #102[10]		Injection Event #103[11]		Injection Event #104[12]	
		Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)	Volume (gal.)	Flow Rate (gpm)
Reactive Zone 3									
	RZ-3CC	1600	18.78	1600	14.29	1600	27.62	---	NA
	RZ-3DD	1600	9.20	1600	19.81	1600	23.14	---	NA
	RZ-3FF	---[13]	NA	---[13]	NA	---[13]	NA	---[13]	NA
	RZ-3GG	1600	30.29	1600	25.09	1600	21.07	1600	34.85
	RZ-3HH	1600	28.10	1600	26.30	1600	22.54	1600	30.20
	RZ-3II	1600	30.29	1600	32.78	1600	22.88	1600	42.39
	RZ-3JJ	1600	32.05	1600	18.09	1600	20.81	1600	32.67
	RZ-3KK	1600	28.10	1600	19.80	1600	27.62	1600	32.00
	RZ-3RR	---[14]	NA	1600	17.85	1600	29.34	1600	26.30
	RZ-3SS	---[14]	NA	1600	14.74	1600	18.39	1600	18.17
	RZ-3TT	1600	30.29	800 [14]	5.03	1600	20.81	1600	14.06
	RZ-3UU	---[14]	NA	1600	22.89	1600	26.70	1600	36.00
	RZ-3VV	---[14]	NA	1600	10.13	1600	24.67	1600	22.02
Reactive Zone 4									
	RZ-4A	3000	13.93	3000	17.31	3000	32.58	3000	41.11
	RZ-4B	3000	28.80	3000	26.69	3000	14.49	3000	37.37
	RZ-4C	3000	36.22	3000	17.74	3000	20.21	3000	30.52
	RZ-4D	3000	30.24	3000	28.95	3000	30.32	3000	40.45
	RZ-4E	3000	27.88	3000	18.73	3000	24.92	3000	37.66
	RZ-4F	3000	22.30	3000	18.39	3000	21.37	3000	35.65
	RZ-4G	3000	24.01	3000	24.13	3000	29.60	3000	37.68
	RZ-4H	3000	19.84	3000	29.00	3000	27.76	3000	44.69
Site-Wide Total		96,800		109,600		101,650		96,800	

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Table 18. Carbon Source Solution Introduction Volumes for 2008, General Motors Corporation, Moraine, Ohio.

Notes:

From January 2008 through August 2008 Carbon source introduced into each well was a 20:1 solution (potable water to molasses) for RZ-1C through RZ-3KK, 33:1 for RZ-3RR through RZ-3VV, and 50:1 solution for RZ-4.

From September 2008 through December 2008 Carbon source introduced into each well was a 20:1 solution (potable water to molasses) for RZ-1 and 50:1 for RZ-3 and RZ-4.

NA Not Applicable

--- Introduction well was not selected for introduction during this event.

(1) Injection Event #93 was completed January 2nd through 4th, 7th through 10th, 14th through 18th, and the 21st.

(2) Injection Event #94 was completed February 5th, 11th through 14th, 19th through 21st, and 25th through 28th, 2008.

(3) Injection Event #95 was completed March 3rd through 6th, 11th through 13th, 17th through 20th, and 24th through 27th, 2008.

(4) Injection Event #96 was completed April 2nd, 7th through 10th, 14th through 17th, 21st through 23rd, and 28th through 30th, 2008.

(5) Injection Event #97 was completed May 15th and 16th, 19th through 23rd, 27th through 29th, and June 2nd through 4th, 2008.

(6) Injection Event #98 was completed June 2nd through 5th, 10th through 12th, 19th, 20th, and 23rd through 25th, 2008.

(7) Injection Event #99 was completed July 1st through 3rd, 10th and 11th, 14th through 17th, 21st through 24th, and 28th through 31st, 2008.

(8) Injection Event #100 was completed August 4th through 7th, 11th through 14th, 18th through 21st, and 25th through 28th, 2008.

(9) Injection Event #101 was completed September 2nd through 4th, 8th through 11th, 15th through 18th, and 22nd through 25th, 2008.

(10) Injection Event #102 was completed October 6th through 9th, 13th through 17th, 20th through 24th, and 27th through 31st, 2008.

(11) Injection Event #103 was completed November 3rd through 7th, 10th through 14th, 17th through 20th, and 24th through 26th, 2008.

(12) Injection Event #104 was completed December 1st through 3rd, 8th through 11th, 15th through 19th, and 23rd and 24th, and 29th, and 30th, 2008.

(13) Introduction not completed or introduction volume reduced due to accessibility.

(14) Introduction not completed or introduction volume reduced because well would not accept solution and/or due to high pressure.

(15) Indicates flow rate for pressurized injections only. A portion of this well was gravity fed and rate is not included in rate calculation.

Table 19: Corrective Action Monitoring Results for Comparison to Remediation Target Levels (RTLs)
General Motors Corporation - Moraine, Ohio

			2008					2007			1999												
Aquifer	Remediation Zone	Chemical	Num of Analyses	Num of Detects	Min Value (mg/l)	Mean Value (mg/L)	Max Value (mg/l)	Min Value (mg/l)	Mean Value (mg/L)	Max Value (mg/l)	Min Value (mg/l)	Mean Value (mg/L)	Max Value (mg/l)	RTL[1] (mg/L)	Ratio: Min 2008 Value to RTL	Ratio: Mean 2008 Value to RTL	Ratio: Max 2008 Value to RTL	Ratio: Min 2007 Value to RTL	Ratio: Mean 2007 Value to RTL	Ratio: Max 2007 Value to RTL	Ratio: Min 1999 Value to RTL	Ratio: Mean 1999 Value to RTL	Ratio: Max 1999 Value to RTL
Shallow	AOI 7 Shallow	1,1-Dichloroethene	6		9.5E-04	3.6E-03	6.0E-03	1.8E-03	6.9E-03	1.9E-02	1.3E-03	6.5E-01	5.1E+00	7.0E-01	1.4E-03	5.1E-03	8.6E-03	2.5E-03	9.9E-03	2.7E-02	1.9E-03	9.3E-01	**7.2E+00**
Shallow	AOI 7 Shallow	cis-1,2-Dichloroethene	6	5	8.5E-04	1.0E+00	2.0E+00	1.6E-03	1.6E+00	4.7E+00	2.5E-03	5.2E+00	9.7E+00	7.0E+00	1.2E-04	1.5E-01	2.9E-01	2.2E-04	2.3E-01	6.7E-01	3.6E-04	7.4E-01	**1.4E+00**
Shallow	AOI 7 Shallow	Tetrachloroethene	6	5	1.5E-03	2.2E-02	7.1E-02	2.7E-03	6.6E-02	2.8E-01	9.5E-03	4.0E+00	7.1E+00	5.0E-01	2.9E-03	4.5E-02	1.4E-01	5.3E-03	1.3E-01	5.6E-01	1.9E-02	**8.0E+00**	**1.4E+01**
Shallow	AOI 7 Shallow	Trichloroethene	6	4	8.5E-04	2.1E-01	3.6E-01	1.6E-03	2.1E-01	3.5E-01	2.5E-03	1.4E+00	5.1E+00	5.0E-01	1.7E-03	4.3E-01	7.2E-01	3.1E-03	4.3E-01	7.0E-01	5.0E-03	**2.8E+00**	**1.0E+01**
Shallow	AOI 7 Shallow	Vinyl Chloride	6	5	1.1E-03	4.7E-01	2.1E+00	2.0E-03	6.9E-01	2.6E+00	1.0E-03	1.5E+00	2.6E+00	2.0E-01	5.5E-03	**2.4E+00**	**1.1E+01**	1.0E-02	**3.4E+00**	**1.3E+01**	5.0E-03	**7.4E+00**	**1.3E+01**
Shallow	Zone S1	1,1-Dichloroethene	4		9.5E-05	1.9E-04	4.8E-04	9.0E-05	9.3E-05	9.5E-05	5.0E-04	5.0E-04	5.0E-04	6.3E-01	1.5E-04	3.0E-04	7.5E-04	1.4E-04	1.5E-04	1.5E-04	7.9E-04	7.9E-04	7.9E-04
Shallow	Zone S1	cis-1,2-Dichloroethene	4	4	5.5E-03	1.4E-02	3.3E-02	7.4E-04	1.1E-02	3.0E-02	1.8E-01	1.8E-01	1.8E-01	6.3E+00	8.7E-04	2.2E-03	5.2E-03	1.2E-04	1.8E-03	4.8E-03	2.8E-02	2.8E-02	2.8E-02
Shallow	Zone S1	Tetrachloroethene	4		1.5E-04	2.8E-04	7.0E-04	9.5E-05	1.3E-04	1.5E-04	3.2E-01	3.2E-01	3.2E-01	4.5E-01	3.2E-04	6.3E-04	1.6E-03	2.1E-04	2.9E-04	3.2E-04	7.0E-01	7.0E-01	7.0E-01
Shallow	Zone S1	Trichloroethene	4	3	4.3E-04	8.3E-04	1.9E-03	5.4E-04	6.3E-04	7.8E-04	7.7E-01	7.7E-01	7.7E-01	4.5E-01	9.4E-04	1.9E-03	4.2E-03	1.2E-03	1.4E-03	1.7E-03	**1.7E+00**	**1.7E+00**	**1.7E+00**
Shallow	Zone S1	Vinyl Chloride	4	4	3.7E-03	1.0E-02	2.2E-02	1.1E-03	8.6E-03	2.2E-02	3.2E-03	3.2E-03	3.2E-03	1.8E-01	2.1E-02	5.7E-02	1.2E-01	6.1E-03	4.8E-02	1.2E-01	1.8E-02	1.8E-02	1.8E-02
Shallow	Zone S1 to S2	1,1-Dichloroethene	5		9.5E-05	1.7E-04	4.8E-04	9.0E-05	9.4E-05	9.5E-05	5.0E-04	5.0E-04	5.0E-04	1.3E-01	7.1E-04	1.3E-03	3.6E-03	6.8E-04	7.0E-04	7.1E-04	3.8E-03	3.8E-03	3.8E-03
Shallow	Zone S1 to S2	cis-1,2-Dichloroethene	5	5	5.2E-03	1.2E-02	3.3E-02	7.4E-04	1.1E-02	3.0E-02	1.8E-01	2.2E-01	2.6E-01	1.3E+00	3.9E-03	9.1E-03	2.5E-02	5.6E-04	8.1E-03	2.3E-02	1.3E-01	1.6E-01	1.9E-01
Shallow	Zone S1 to S2	Tetrachloroethene	5	1	1.5E-04	1.8E-03	7.7E-03	9.5E-05	1.2E-03	4.5E-03	2.1E-01	2.6E-01	3.2E-01	9.5E-02	1.5E-03	1.9E-02	8.1E-02	1.0E-03	1.3E-02	4.7E-02	**2.2E+00**	**2.8E+00**	**3.3E+00**
Shallow	Zone S1 to S2	Trichloroethene	5	4	4.3E-04	2.5E-03	9.0E-03	5.4E-04	3.5E-03	1.2E-02	4.7E-01	6.2E-01	7.7E-01	9.5E-02	4.5E-03	2.6E-02	9.5E-02	5.6E-03	3.7E-02	1.3E-01	**5.0E+00**	**6.5E+00**	**8.1E+00**
Shallow	Zone S1 to S2	Vinyl Chloride	5	5	1.7E-03	8.6E-03	2.2E-02	1.1E-03	7.6E-03	2.2E-02	5.0E-04	1.9E-03	3.2E-03	3.8E-02	4.5E-02	2.3E-01	5.8E-01	2.9E-02	2.0E-01	5.8E-01	1.3E-02	4.9E-02	8.4E-02
Shallow	Zone S2	1,1-Dichloroethene	3		9.5E-05	1.4E-04	2.4E-04	9.5E-05	1.7E-04	3.2E-04	5.0E-04	1.0E-03	2.5E-03	7.0E-02	1.4E-03	2.0E-03	3.4E-03	1.4E-03	2.4E-03	4.5E-03	7.1E-03	1.4E-02	3.6E-02
Shallow	Zone S2	cis-1,2-Dichloroethene	3	3	1.4E-03	2.8E-02	7.9E-02	1.2E-03	3.7E-02	1.0E-01	2.5E-03	6.8E-02	2.6E-01	7.0E-01	2.0E-03	4.1E-02	1.1E-01	1.7E-03	5.3E-02	1.4E-01	3.6E-03	9.7E-02	3.6E-01
Shallow	Zone S2	Tetrachloroethene	3	2	3.6E-04	5.4E-03	8.1E-03	4.9E-04	3.4E-03	5.2E-03	1.3E-03	6.9E-02	2.1E-01	5.0E-02	7.2E-03	1.1E-01	1.6E-01	9.7E-03	6.8E-02	1.0E-01	2.6E-02	**1.4E+00**	**4.3E+00**
Shallow	Zone S2	Trichloroethene	3	3	4.9E-03	3.2E-02	8.1E-02	3.6E-03	3.5E-02	9.0E-02	2.5E-03	1.4E-01	4.7E-01	5.0E-02	9.8E-02	6.3E-01	**1.6E+00**	7.2E-02	7.0E-01	**1.8E+00**	5.0E-02	**2.7E+00**	**9.5E+00**
Shallow	Zone S2	Vinyl Chloride	3	3	7.0E-04	1.1E-03	1.7E-03	8.2E-04	2.1E-03	4.5E-03	5.0E-04	6.3E-04	1.0E-03	2.0E-02	3.5E-02	5.4E-02	8.5E-02	4.1E-02	1.1E-01	2.3E-01	2.5E-02	3.1E-02	5.0E-02
Shallow	Zone S2 to S3	1,1-Dichloroethene	8	2	9.5E-05	2.9E-04	9.5E-04	9.5E-05	3.0E-04	9.5E-04	5.0E-04	7.9E-04	2.5E-03	6.3E-02	1.5E-03	4.7E-03	1.5E-02	1.5E-03	4.8E-03	1.5E-02	7.9E-03	1.2E-02	4.0E-02
Shallow	Zone S2 to S3	cis-1,2-Dichloroethene	8	7	8.5E-05	2.4E-02	9.2E-02	2.4E-04	3.3E-02	1.4E-01	5.0E-04	4.1E-02	2.6E-01	6.3E-01	1.3E-04	3.8E-02	1.5E-01	3.8E-04	5.3E-02	2.2E-01	7.9E-04	6.5E-02	4.0E-01
Shallow	Zone S2 to S3	Tetrachloroethene	8	7	3.6E-04	1.8E-02	3.9E-02	4.9E-04	1.4E-02	3.2E-02	1.3E-03	5.3E-02	2.1E-01	4.5E-02	8.0E-03	4.1E-01	8.7E-01	1.1E-02	3.2E-01	7.1E-01	2.9E-02	**1.2E+00**	**4.7E+00**
Shallow	Zone S2 to S3	Trichloroethene	8	8	4.9E-03	3.2E-02	8.8E-02	3.3E-03	3.7E-02	1.1E-01	2.5E-03	8.9E-02	4.7E-01	4.5E-02	1.1E-01	7.2E-01	**2.0E+00**	7.3E-02	8.2E-01	**2.4E+00**	5.6E-02	**2.0E+00**	**1.1E+01**
Shallow	Zone S2 to S3	Vinyl Chloride	8	4	1.1E-04	1.5E-03	7.9E-03	1.1E-04	2.4E-03	1.2E-02	5.0E-04	5.7E-04	1.0E-03	1.8E-02	6.1E-03	8.1E-02	4.4E-01	6.1E-03	1.3E-01	6.7E-01	2.8E-02	3.2E-02	5.6E-02
Shallow	Zone S3	1,1-Dichloroethene	16	1	9.5E-05	4.8E-04	1.9E-03	9.0E-05	5.7E-04	2.4E-03	5.0E-04	2.3E-03	3.9E-03	4.9E-02	1.9E-03	9.8E-03	3.9E-02	1.8E-03	1.2E-02	4.9E-02	1.0E-02	4.7E-02	8.0E-02
Shallow	Zone S3	cis-1,2-Dichloroethene	16	13	3.9E-04	1.5E-02	4.4E-02	4.3E-04	1.0E-01	5.3E-01	2.6E-03	4.4E-02	6.6E-02	4.9E-01	8.0E-04	3.0E-02	9.0E-02	8.7E-04	2.1E-01	**1.1E+00**	5.3E-03	9.1E-02	1.4E-01
Shallow	Zone S3	Tetrachloroethene	16	9	1.5E-04	4.0E-02	1.7E-01	9.5E-05	4.0E-02	1.3E-01	5.0E-04	1.4E-03	2.5E-03	3.5E-02	4.1E-03	**1.1E+00**	**4.7E+00**	2.7E-03	**1.2E+00**	**3.7E+00**	1.4E-02	4.0E-02	7.1E-02
Shallow	Zone S3	Trichloroethene	16	12	8.5E-05	3.2E-02	1.3E-01	4.3E-04	3.6E-02	1.2E-01	3.2E-03	1.6E-01	4.6E-01	3.5E-02	2.4E-03	9.1E-01	**3.7E+00**	1.2E-02	1.0E+00	**3.4E+00**	9.1E-02	**4.6E+00**	**1.3E+01**
Shallow	Zone S3	Vinyl Chloride	16	9	3.7E-04	5.9E-03	2.5E-02	2.1E-04	1.0E-02	5.3E-02	5.0E-04	1.5E-03	3.0E-03	1.4E-02	2.6E-02	4.2E-01	**1.8E+00**	1.5E-02	7.2E-01	**3.8E+00**	3.6E-02	1.1E-01	2.1E-01
Shallow	Zone S3 to GM-10/GM-52	1,1-Dichloroethene	28	1	9.5E-05	3.4E-04	1.9E-03	9.0E-05	4.1E-04	2.4E-03	5.0E-04	1.3E-03	3.9E-03	3.5E-02	2.7E-03	9.8E-03	5.4E-02	2.6E-03	1.2E-02	6.9E-02	1.4E-02	3.6E-02	1.1E-01
Shallow	Zone S3 to GM-10/GM-52	cis-1,2-Dichloroethene	28	23	8.5E-05	1.6E-02	1.6E-01	8.5E-05	7.0E-02	5.3E-01	5.0E-04	2.8E-02	6.6E-02	3.5E-01	2.4E-04	4.7E-02	4.6E-01	2.4E-04	2.0E-01	**1.5E+00**	1.4E-03	8.0E-02	1.9E-01
Shallow	Zone S3 to GM-10/GM-52	Tetrachloroethene	28	16	1.5E-04	3.3E-02	1.7E-01	9.5E-05	3.3E-02	1.3E-01	5.0E-04	1.7E-02	8.1E-02	2.5E-02	5.8E-03	**1.3E+00**	**6.6E+00**	3.8E-03	**1.3E+00**	**5.2E+00**	2.0E-02	6.7E-01	**3.3E+00**
Shallow	Zone S3 to GM-10/GM-52	Trichloroethene	28	19	8.5E-05	2.5E-02	1.3E-01	8.5E-05	2.8E-02	1.2E-01	5.0E-04	8.4E-02	4.6E-01	2.5E-02	3.4E-03	1.0E+00	**5.2E+00**	3.4E-03	**1.1E+00**	**4.8E+00**	2.0E-02	**3.3E+00**	**1.8E+01**
Shallow	Zone S3 to GM-10/GM-52	Vinyl Chloride	28	15	1.1E-04	3.7E-03	2.5E-02	1.1E-04	5.9E-03	5.3E-02	5.0E-04	1.8E-03	8.4E-03	1.0E-02	1.1E-02	3.7E-01	**2.5E+00**	1.1E-02	5.9E-01	**5.3E+00**	5.0E-02	1.8E-01	8.4E-01
Shallow	GM-10/GM-52	1,1-Dichloroethene	2		9.5E-05	1.7E-04	2.4E-04	9.5E-05	1.7E-04	2.4E-04	5.0E-04	5.0E-04	5.0E-04	2.8E-02	3.4E-03	6.0E-03	8.6E-03	3.4E-03	6.0E-03	8.6E-03	1.8E-02	1.8E-02	1.8E-02
Shallow	GM-10/GM-52	cis-1,2-Dichloroethene	2	1	8.5E-05	7.0E-03	1.4E-02	3.5E-04	9.2E-03	1.8E-02	5.0E-04	5.0E-04	5.0E-04	2.8E-01	3.0E-04	2.5E-02	5.0E-02	1.2E-03	3.3E-02	6.4E-02	1.8E-03	1.8E-03	1.8E-03
Shallow	GM-10/GM-52	Tetrachloroethene	2	2	8.5E-04	4.4E-02	8.8E-02	9.7E-04	4.4E-02	8.8E-02	5.0E-04	5.0E-04	5.0E-04	2.0E-02	4.3E-02	**2.2E+00**	**4.4E+00**	4.8E-02	**2.2E+00**	**4.4E+00**	2.5E-02	2.5E-02	2.5E-02
Shallow	GM-10/GM-52	Trichloroethene	2	2	5.9E-03	2.4E-02	4.3E-02	8.6E-03	2.8E-02	4.7E-02	1.4E-02	1.4E-02	1.4E-02	2.0E-02	3.0E-01	**1.2E+00**	**2.2E+00**	4.3E-01	**1.4E+00**	**2.4E+00**	7.2E-01	7.2E-01	7.2E-01
Shallow	GM-10/GM-52	Vinyl Chloride	2		1.1E-04	1.9E-04	2.8E-04	1.1E-04	1.9E-04	2.8E-04	5.0E-04	5.0E-04	5.0E-04	8.0E-03	1.4E-02	2.4E-02	3.4E-02	1.4E-02	2.4E-02	3.4E-02	6.3E-02	6.3E-02	6.3E-02
Shallow	POC Shallow	1,1-Dichloroethene	2		9.5E-05	9.5E-05	9.5E-05	9.5E-05	9.5E-05	9.5E-05	5.0E-04	5.0E-04	5.0E-04	7.0E-03	1.4E-02	1.4E-02	1.4E-02	1.4E-02	1.4E-02	1.4E-02	7.1E-02	7.1E-02	7.1E-02
Shallow	POC Shallow	cis-1,2-Dichloroethene	2		8.5E-05	8.5E-05	8.5E-05	8.5E-05	8.5E-05	8.5E-05	5.0E-04	5.0E-04	5.0E-04	7.0E-02	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	7.1E-03	7.1E-03	7.1E-03
Shallow	POC Shallow	Tetrachloroethene	2	2	1.3E-03	1.3E-03	1.4E-03	1.2E-03	1.2E-03	1.2E-03	5.0E-04	5.0E-04	5.0E-04	5.0E-03	2.5E-01	2.7E-01	2.8E-01	2.4E-01	2.4E-01	2.4E-01	1.0E-01	1.0E-01	1.0E-01
Shallow	POC Shallow	Trichloroethene	2		8.5E-05	8.5E-05	8.5E-05	8.5E-05	8.5E-05	8.5E-05	5.0E-04	5.0E-04	5.0E-04	5.0E-03	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.0E-01	1.0E-01	1.0E-01
Shallow	POC Shallow	Vinyl Chloride	2		1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	5.0E-04	5.0E-04	5.0E-04	2.0E-03	5.5E-02	5.5E-02	5.5E-02	5.5E-02	5.5E-02	5.5E-02	2.5E-01	2.5E-01	2.5E-01

Table 19: Corrective Action Monitoring Results for Comparison to Remediation Target Levels (RTLs)
General Motors Corporation - Moraine, Ohio

			2008					2007			1999												
Aquifer	Remediation Zone	Chemical	Num of Analyses	Num of Detects	Min Value (mg/l)	Mean Value (mg/L)	Max Value (mg/l)	Min Value (mg/l)	Mean Value (mg/L)	Max Value (mg/l)	Min Value (mg/l)	Mean Value (mg/L)	Max Value (mg/l)	RTL[1] (mg/L)	Ratio: Min 2008 Value to RTL	Ratio: Mean 2008 Value to RTL	Ratio: Max 2008 Value to RTL	Ratio: Min 2007 Value to RTL	Ratio: Mean 2007 Value to RTL	Ratio: Max 2007 Value to RTL	Ratio: Min 1999 Value to RTL	Ratio: Mean 1999 Value to RTL	Ratio: Max 1999 Value to RTL
Deep	AOI 7 Deep	1,1-Dichloroethene	6		9.5E-04	3.6E-03	6.0E-03	1.8E-03	6.9E-03	1.9E-02	1.3E-03	6.5E-01	5.1E+00	2.3E-01	4.1E-03	1.5E-02	2.6E-02	7.5E-03	3.0E-02	8.1E-02	5.6E-03	**2.8E+00**	**2.2E+01**
Deep	AOI 7 Deep	cis-1,2-Dichloroethene	6	5	8.5E-04	1.0E+00	2.0E+00	1.6E-03	1.6E+00	4.7E+00	2.5E-03	5.2E+00	9.7E+00	2.3E+00	3.6E-04	4.4E-01	8.6E-01	6.6E-04	7.0E-01	**2.0E+00**	1.1E-03	**2.2E+00**	**4.2E+00**
Deep	AOI 7 Deep	Tetrachloroethene	6	5	1.5E-03	2.2E-02	7.1E-02	2.7E-03	6.6E-02	2.8E-01	9.5E-03	4.0E+00	7.1E+00	1.7E-01	8.7E-03	1.3E-01	4.3E-01	1.6E-02	4.0E-01	**1.7E+00**	5.7E-02	**2.4E+01**	**4.3E+01**
Deep	AOI 7 Deep	Trichloroethene	6	4	8.5E-04	2.1E-01	3.6E-01	1.6E-03	2.1E-01	3.5E-01	2.5E-03	1.4E+00	5.1E+00	1.7E-01	5.1E-03	**1.3E+00**	**2.2E+00**	9.3E-03	**1.3E+00**	**2.1E+00**	1.5E-02	**8.4E+00**	**3.0E+01**
Deep	AOI 7 Deep	Vinyl Chloride	6	5	1.1E-03	4.7E-01	2.1E+00	2.0E-03	6.9E-01	2.6E+00	1.0E-03	1.5E+00	2.6E+00	6.7E-02	1.7E-02	**7.1E+00**	**3.2E+01**	3.0E-02	**1.0E+01**	**3.9E+01**	1.5E-02	**2.2E+01**	**3.9E+01**
Deep	GM-40/41/54	1,1-Dichloroethene	3		9.5E-05	4.5E-04	7.0E-04	9.5E-05	4.5E-04	6.5E-04				6.1E-02	1.6E-03	7.4E-03	1.2E-02	1.6E-03	7.5E-03	1.1E-02			
Deep	GM-40/41/54	cis-1,2-Dichloroethene	3	1	8.5E-05	3.9E-03	1.1E-02	8.5E-05	6.6E-03	1.7E-02				6.1E-01	1.4E-04	6.4E-03	1.8E-02	1.4E-04	1.1E-02	2.8E-02			
Deep	GM-40/41/54	Tetrachloroethene	3	1	1.5E-04	6.4E-02	1.9E-01	1.5E-04	6.2E-02	1.6E-01				4.3E-02	3.3E-03	**1.5E+00**	**4.4E+00**	3.3E-03	**1.4E+00**	**3.7E+00**			
Deep	GM-40/41/54	Trichloroethene	3	2	8.5E-05	6.1E-02	1.8E-01	8.5E-05	8.1E-02	2.3E-01				4.3E-02	2.0E-03	**1.4E+00**	**4.2E+00**	2.0E-03	**1.9E+00**	**5.3E+00**			
Deep	GM-40/41/54	Vinyl Chloride	3	1	6.5E-04	1.7E-03	3.6E-03	5.0E-04	1.9E-03	4.0E-03				1.7E-02	3.8E-02	9.7E-02	2.1E-01	2.9E-02	1.1E-01	2.3E-01			
Deep	GM-42	1,1-Dichloroethene	1	1	5.3E-04	5.3E-04	5.3E-04	1.5E-04	1.5E-04	1.5E-04				3.3E-02	1.6E-02	1.6E-02	1.6E-02	4.5E-03	4.5E-03	4.5E-03			
Deep	GM-42	cis-1,2-Dichloroethene	1	1	2.0E-02	2.0E-02	2.0E-02	1.8E-02	1.8E-02	1.8E-02				3.3E-01	6.1E-02	6.1E-02	6.1E-02	5.4E-02	5.4E-02	5.4E-02			
Deep	GM-42	Tetrachloroethene	1		1.5E-04	1.5E-04	1.5E-04	1.5E-04	1.5E-04	1.5E-04				2.3E-02	6.2E-03	6.2E-03	6.2E-03	6.2E-03	6.2E-03	6.2E-03			
Deep	GM-42	Trichloroethene	1	1	9.9E-03	9.9E-03	9.9E-03	2.2E-03	2.2E-03	2.2E-03				2.3E-02	4.2E-01	4.2E-01	4.2E-01	9.2E-02	9.2E-02	9.2E-02			
Deep	GM-42	Vinyl Chloride	1	1	3.1E-04	3.1E-04	3.1E-04	4.7E-04	4.7E-04	4.7E-04				9.3E-03	3.3E-02	3.3E-02	3.3E-02	5.0E-02	5.0E-02	5.0E-02			
Deep	Zone D1	1,1-Dichloroethene	1		9.5E-05	9.5E-05	9.5E-05	9.5E-05	9.5E-05	9.5E-05	5.0E-04	5.0E-04	5.0E-04	7.0E-03	1.4E-02	1.4E-02	1.4E-02	1.4E-02	1.4E-02	1.4E-02	7.1E-02	7.1E-02	7.1E-02
Deep	Zone D1	cis-1,2-Dichloroethene	1	1	2.4E-03	2.4E-03	2.4E-03	1.4E-03	1.4E-03	1.4E-03	1.2E-03	1.2E-03	1.2E-03	7.0E-02	3.4E-02	3.4E-02	3.4E-02	2.0E-02	2.0E-02	2.0E-02	1.7E-02	1.7E-02	1.7E-02
Deep	Zone D1	Tetrachloroethene	1		1.5E-04	1.5E-04	1.5E-04	1.5E-04	1.5E-04	1.5E-04	5.0E-04	5.0E-04	5.0E-04	5.0E-03	2.9E-02	2.9E-02	2.9E-02	2.9E-02	2.9E-02	2.9E-02	1.0E-01	1.0E-01	1.0E-01
Deep	Zone D1	Trichloroethene	1		8.5E-05	8.5E-05	8.5E-05	3.2E-03	3.2E-03	3.2E-03	1.4E-02	1.4E-02	1.4E-02	5.0E-03	1.7E-02	1.7E-02	1.7E-02	6.4E-01	6.4E-01	6.4E-01	**2.7E+00**	**2.7E+00**	**2.7E+00**
Deep	Zone D1	Vinyl Chloride	1	1	9.8E-03	9.8E-03	9.8E-03	1.6E-02	1.6E-02	1.6E-02	1.5E-03	1.5E-03	1.5E-03	2.0E-03	**4.9E+00**	**4.9E+00**	**4.9E+00**	**8.0E+00**	**8.0E+00**	**8.0E+00**	7.5E-01	7.5E-01	7.5E-01
Deep	Zone D2	1,1-Dichloroethene	2		9.5E-05	9.5E-05	9.5E-05	9.5E-05	9.5E-05	9.5E-05	5.0E-04	5.0E-04	5.0E-04	1.3E-02	7.4E-03	7.4E-03	7.4E-03	7.4E-03	7.4E-03	7.4E-03	3.9E-02	3.9E-02	3.9E-02
Deep	Zone D2	cis-1,2-Dichloroethene	2		8.5E-05	8.5E-05	8.5E-05	8.5E-05	1.9E-03	3.8E-03	5.0E-04	8.0E-04	1.1E-03	1.3E-01	6.6E-04	6.6E-04	6.6E-04	6.6E-04	1.5E-02	3.0E-02	3.9E-03	6.2E-03	8.6E-03
Deep	Zone D2	Tetrachloroethene	2	2	1.1E-03	1.4E-03	1.8E-03	1.8E-03	1.9E-03	1.9E-03	1.2E-03	1.6E-03	2.0E-03	9.2E-03	1.2E-01	1.6E-01	2.0E-01	2.0E-01	2.0E-01	2.1E-01	1.3E-01	1.7E-01	2.2E-01
Deep	Zone D2	Trichloroethene	2	2	6.5E-03	1.9E-02	3.1E-02	1.4E-02	2.3E-02	3.2E-02	7.5E-03	1.9E-02	3.1E-02	9.2E-03	7.1E-01	**2.0E+00**	**3.4E+00**	**1.5E+00**	**2.5E+00**	**3.5E+00**	8.2E-01	**2.1E+00**	**3.3E+00**
Deep	Zone D2	Vinyl Chloride	2		1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	5.0E-04	5.0E-04	5.0E-04	3.7E-03	3.0E-02	3.0E-02	3.0E-02	3.0E-02	3.0E-02	3.0E-02	1.4E-01	1.4E-01	1.4E-01
Deep	POC Deep	1,1-Dichloroethene	3		9.5E-05	9.5E-05	9.5E-05	9.5E-05	9.5E-05	9.5E-05	5.0E-04	5.0E-04	5.0E-04	7.0E-03	1.4E-02	1.4E-02	1.4E-02	1.4E-02	1.4E-02	1.4E-02	7.1E-02	7.1E-02	7.1E-02
Deep	POC Deep	cis-1,2-Dichloroethene	3	1	8.5E-05	3.2E-04	7.9E-04	8.5E-05	4.2E-04	1.1E-03	5.0E-04	1.8E-03	4.3E-03	7.0E-02	1.2E-03	4.6E-03	1.1E-02	1.2E-03	6.0E-03	1.6E-02	7.1E-03	2.5E-02	6.1E-02
Deep	POC Deep	Tetrachloroethene	3	2	1.5E-04	1.5E-03	2.6E-03	1.5E-04	1.2E-03	2.1E-03	5.0E-04	8.3E-04	1.5E-03	5.0E-03	2.9E-02	3.0E-01	5.2E-01	2.9E-02	2.5E-01	4.2E-01	1.0E-01	1.7E-01	3.0E-01
Deep	POC Deep	Trichloroethene	3	3	6.2E-03	1.5E-02	3.1E-02	5.1E-03	1.6E-02	3.5E-02	5.0E-04	6.4E-03	1.5E-02	5.0E-03	**1.2E+00**	**2.9E+00**	**6.2E+00**	1.0E+00	**3.3E+00**	**7.0E+00**	1.0E-01	**1.3E+00**	**2.9E+00**
Deep	POC Deep	Vinyl Chloride	3		1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	5.0E-04	5.0E-04	5.0E-04	2.0E-03	5.5E-02	5.5E-02	5.5E-02	5.5E-02	5.5E-02	5.5E-02	2.5E-01	2.5E-01	2.5E-01

NOTES

1. RTL reflect groundwater modeling conducted in 2008 to reflect current pumping conditions without interim measures pumping (see CMP, ARCADIS 2008a)

Table 20: In-Place Waste Mangement Unit Assessment
Summary of Downgradient Groundwater Concentrations (mg/L) for Current Groundwater Use[1]
GM Moraine, Moraine, Ohio

TCL/TAL Group	Constituent	CASRN	West Carrollton	Criteria	Flag
VOC	1,1,1-Trichloroethane	71-55-6	0.0001	0.2	
VOC	1,1-Dichloroethane	75-34-3	0.0002	3.65	
VOC	1,1-Dichloroethene	75-35-4	0.	0.007	
VOC	1,2-Dichloroethene (total)	540-59-0	0.	0.07	
VOC	2-Butanone	78-93-3	0.0001	21.9	
VOC	Acetone	67-64-1	0.	32.85	
VOC	Benzene	71-43-2	0.	0.005	
VOC	Carbon Disulfide	75-15-0	0.	3.65	
VOC	Chlorobenzene	108-90-7	0.	0.1	
VOC	Chloroethane	75-00-3	0.	14.6	
VOC	Chloroform	67-66-3	0.	0.08	
VOC	cis-1,2-Dichloroethene	156-59-2	0.003	0.07	
VOC	Ethyl Benzene	100-41-4	0.	0.7	
VOC	Styrene	100-42-5	0.	0.1	
VOC	Tetrachloroethene	127-18-4	0.0002	0.005	
VOC	Toluene	108-88-3	0.	1.	
VOC	trans-1,2-Dichloroethene	156-60-5	0.0001	0.1	
VOC	Trichloroethene	79-01-6	0.0007	0.005	
VOC	Trichlorofluoromethane	75-69-4	0.0001	10.95	
VOC	Vinyl Chloride	75-01-4	0.0002	0.002	
VOC	Xylenes (total)	1330-20-7	0.	10.	
SVOC	1,2-Dichlorobenzene	95-50-1	0.	0.6	
SVOC	2-Methylnaphthalene	91-57-6	0.	0.73	
SVOC	Benzo(a)anthracene	56-55-3	0.	0.0009	
SVOC	Benzo(a)pyrene	50-32-8	0.	0.0002	
SVOC	Benzo(b)fluoranthene	205-99-2	0.	0.0009	
SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	0.	0.006	
SVOC	Butylbenzylphthalate	85-68-7	0.	7.3	
SVOC	Chrysene	218-01-9	0.	0.0921	
SVOC	Di-n-butylphthalate	84-74-2	0.	3.7	
SVOC	Fluoranthene	206-44-0	0.0001	1.46	
SVOC	Fluorene	86-73-7	0.0001	1.46	
SVOC	Naphthalene	91-20-3	0.0002	0.73	
SVOC	Phenanthrene	85-01-8	0.0007	1.095	
SVOC	Pyrene	129-00-0	0.	1.095	
P/PCB	Aroclor-1242	53469-21-9	0.	0.0005	
P/PCB	Aroclor-1254	11097-69-1	0.	0.0005	
P/PCB	Aroclor-1260	11096-82-5	0.	0.0005	
INORG	Antimony	7440-36-0	0.0001	0.006	
INORG	Arsenic	7440-38-2	0.0002	0.01	
INORG	Barium	7440-39-3	0.0073	2.	
INORG	Beryllium	7440-41-7	0.	0.004	
INORG	Cadmium	7440-43-9	0.	0.005	
INORG	Chromium (total)	7440-47-3	0.0004	0.1	
INORG	Cobalt	7440-48-4	0.0005	0.73	
INORG	Copper	7440-50-8	0.0001	1.3	
INORG	Cyanide (total)	57-12-5	0.	0.2	
INORG	Lead	7439-92-1	0.0001	0.015	
INORG	Manganese	7439-96-5	0.0147	0.876	
INORG	Mercury	7439-97-6	0.	0.002	
INORG	Nickel	7440-02-0	0.0007	0.73	
INORG	Selenium	7782-49-2	0.0001	0.05	
INORG	Silver	7440-22-4	0.0001	0.1825	
INORG	Thallium	7440-28-0	0.	0.002	
INORG	Vanadium	7440-62-2	0.	0.0365	
INORG	Zinc	7440-66-6	0.0024	10.95	

Notes:

1 Draft Corrective Measures Proposal (ARCADIS 2008a)
Groundwater Exposure Scenario 1A - Baseline
The only wells currently pumping are those in the West Carrollton municipal well field.

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Table 21. Summary of Site-Wide Groundwater Monitoring Plan for 2009, General Motors Corporation, Moraine, Ohio.

Monitor Wells	Reason for Monitoring in 2008	Monitoring Frequency	Parameter List	Revised Reason for Monitoring in 2009	Revised Monitoring Frequency	Revised Parameter List
Upper Aquifer Wells						
HR-9	Monitoring groundwater quality upgradient of the site.	Annual	VOCs[1]	Retain well for annual monitoring. Well contains stable chlorinated VOC concentrations for 10 years. Well retained to monitor upgradient groundwater quality.	Annual	VOCs[1]
HR-11	Monitoring groundwater quality upgradient of the site.	Annual	VOCs[1]	Remove well from annual monitoring. VOCs have been stable for the past 6 years and well is redundant with HR-9.	Every 5 years	VOCs[1]
HR-4	Monitoring of groundwater quality upgradient of the closed North Settling Lagoon and downgradient of Landfill L3.	Annual	VOCs[1]	Retain well for annual monitoring. Well required for long-term lagoon and landfill monitoring.	Annual	VOCs[1]
W-2-N	Monitoring of groundwater quality downgradient of the closed North Settling Lagoon.	Annual	VOCs[1]	Retain well for annual monitoring. Well required for long-term lagoon monitoring.	Annual	VOCs[1]
W-3-N	Monitoring of groundwater quality downgradient of the closed North Settling Lagoon.	Annual	VOCs[1]	Retain well for annual monitoring. Well required for long-term lagoon monitoring.	Annual	VOCs[1]
W-4-N	Monitoring of groundwater quality downgradient of the closed North Settling Lagoon and Landfills L2 and L3.	Annual	VOCs[1]	Retain well for annual monitoring. Well required for long-term lagoon monitoring.	Annual	VOCs[1]
HR-2	Monitoring groundwater quality downgradient of Landfills L2 and L3.	Annual	VOCs[1]	Retain well for annual monitoring. Well required for long-term landfill monitoring.	Annual	VOCs[1]

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Table 21. Summary of Site-Wide Groundwater Monitoring Plan for 2009, General Motors Corporation, Moraine, Ohio.

Monitor Wells	Reason for Monitoring in 2008	Monitoring Frequency	Parameter List	Revised Reason for Monitoring in 2009	Revised Monitoring Frequency	Revised Parameter List
HR-5	Monitoring of groundwater quality downgradient of the North Settling Lagoon.	Annual	VOCs(1)	Remove well from annual monitoring. Groundwater quality downgradient of the lagoon will be monitored using W-2-N, W-3-N, and W-4-N.	Every 5 years	VOCs(1)
HR-1	Monitoring groundwater quality in the central portion of the site.	Annual	VOCs(1)	Remove well from annual monitoring. Groundwater quality on the western side of the plume to be monitored using well GM-43.	Every 5 years	VOCs(1)
GM-43	Monitoring groundwater quality in the central portion of the site.	Annual	VOCs(1)	Retain well for annual monitoring. This well location better represents Building 14 groundwater quality.	Annual	VOCs(1)
GM-30	Monitoring effectiveness of corrective measures at AOI 7.	Annual	VOCs (1) Biogeochemical(2)	Remove well from annual monitoring. Analysis indicates well primarily contains ethylbenzene and xylene with decreasing trend. No other well in the Former Oil House Area contains these VOCs therefore, it is local to the former tank farm area.	Every 5 years	VOCs(1)
GM-23	Monitoring effectiveness of corrective measures at RZ-1.	Annual	VOCs (1) Biogeochemical(2)	Retain well for annual monitoring. Well represents groundwater quality within the Former Oil House Area.	Annual	VOCs (1) Biogeochemical(2)
GM-27	Monitoring effectiveness of corrective measures at RZ-1 in lower portion of the upper aquifer.	Annual	VOCs(1)	Remove well from annual monitoring. Stable VOC concentration data trend has been observed over 10 years along with reduction in TCE concentrations.	Every 5 years	VOCs(1)

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Table 21. Summary of Site-Wide Groundwater Monitoring Plan for 2009, General Motors Corporation, Moraine, Ohio.

Monitor Wells	Reason for Monitoring in 2008	Monitoring Frequency	Parameter List	Revised Reason for Monitoring in 2009	Revised Monitoring Frequency	Revised Parameter List
GM-29	Monitoring effectiveness of corrective measures sidegradient to RZ-1.	Annual	VOCs (1) Biogeochemical(2)	Retain well for annual monitoring of RZ-1 performance.	Annual	VOCs (1) Biogeochemical(2)
GM-28	Monitoring effectiveness of corrective measures downgradient of RZ-1.	Annual	VOCs (1) Biogeochemical(2)	Retain well for annual monitoring of RZ-1 performance.	Annual	VOCs (1) Biogeochemical(2)
ME-6	Monitoring effectiveness of corrective measures at the upgradient boundary of RZ-2.	Annual	VOCs (1) Biogeochemical(2)	Remove well from annual monitoring. Stable VOC concentration data trend has been observed since former RZ-2 operations ceased.	Every 5 years	VOCs(1)
GM-31	Monitoring effectiveness of corrective measures beneath the introduction zone within RZ-2.	Annual	VOCs (1) Biogeochemical(2)	Remove well from annual monitoring. Other wells will be retained to monitor groundwater quality in the central portion of the site (GM-59, GM-60, GM-75S).	Every 5 years	VOCs(1)
ME-3	Monitoring effectiveness of corrective measures at the downgradient boundary of RZ-2.	Annual	VOCs (1) Biogeochemical(2)	Remove well from annual monitoring. Stable VOC concentration data trend has been observed since former RZ-2 operations ceased.	Every 5 years	VOCs(1)
GM-22	Monitoring effectiveness of corrective measures upgradient of RZ-3 East.	Annual	VOCs (1) Biogeochemical(2)	Remove well from annual monitoring. Low level stable VOC concentrations have been observed for 10 years. Other wells will be retained to monitor groundwater quality in the central portion of the site (GM-59, GM-60, GM-75S).	Every 5 years	VOCs(1)

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Table 21. Summary of Site-Wide Groundwater Monitoring Plan for 2009, General Motors Corporation, Moraine, Ohio.

Monitor Wells	Reason for Monitoring in 2008	Monitoring Frequency	Parameter List	Revised Reason for Monitoring in 2009	Revised Monitoring Frequency	Revised Parameter List
GM-19S	Monitoring effectiveness of corrective measures downgradient of RZ-4 East and groundwater quality upgradient of Landfill L1.	Annual	VOCs (1) Biogeochemical(2) SVOCs, Metals, PCBs(3)	Retain well for annual monitoring of RZ-4 performance.	Annual	VOCs (1) Biogeochemical(2)
GM-33	Monitoring effectiveness of corrective measures upgradient of RZ-3 West and groundwater quality upgradient of Landfill L1.	Annual	VOCs(1)	Remove well from annual monitoring. The WPSA and upgradient groundwater quality for RZ-3 and Landfill L1 will be monitored using GM-35.	Every 5 years	VOCs(1)
GM-35	Monitoring effectiveness of corrective measures upgradient of RZ-3 West and groundwater quality upgradient of Landfill L1.	Annual	VOCs (1) SVOCs, Metals, PCBs(3)	Retain well for annual monitoring of the WPSA and upgradient groundwater quality for RZ-3 and Landfill L1.	Annual	VOCs(1)
GM-32	Monitoring effectiveness of corrective measures downgradient of RZ-3 West and groundwater quality upgradient of Landfill L1.	Annual	VOCs (1) Biogeochemical(2)	Retain well for TOC analysis only. Low VOC concentrations trends are stable.	Annual	TOC
GM-21	Monitoring effectiveness of corrective measures downgradient of RZ-3 West.	Annual	VOCs (1) Biogeochemical(2)	Retain well for annual monitoring of RZ-3 performance.	Annual	VOCs (1) Biogeochemical(2)
HR-17	Monitoring of groundwater quality upgradient of the closed South Settling Lagoon.	Annual	VOCs(1)	Retain well for annual monitoring. Well required for long-term lagoon monitoring.	Annual	VOCs(1)
W-2-S	Monitoring of groundwater quality downgradient of the closed South Settling Lagoon.	Annual	VOCs(1)	Retain well for annual monitoring. Well required for long-term lagoon monitoring.	Annual	VOCs(1)
W-3-S	Monitoring of groundwater quality downgradient of the closed South Settling Lagoon.	Annual	VOCs(1)	Retain well for annual monitoring. Well required for long-term lagoon monitoring.	Annual	VOCs(1)

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Table 21. Summary of Site-Wide Groundwater Monitoring Plan for 2009, General Motors Corporation, Moraine, Ohio.

Monitor Wells	Reason for Monitoring in 2008	Monitoring Frequency	Parameter List	Revised Reason for Monitoring in 2009	Revised Monitoring Frequency	Revised Parameter List
W-4-S	Monitoring of groundwater quality downgradient of the closed South Settling Lagoon and sidegradient to RZ-4 West.	Annual	VOCs(1) Biogeochemical(2)	Retain well for annual monitoring. Well required for long-term lagoon monitoring.	Annual	VOCs(1)
GM-8	Monitoring groundwater quality downgradient of RZ-3 West and within Landfill L1.	Annual	VOCs (1) Biogeochemical(2)	Retain well for annual monitoring of RZ-3 performance and for long-term landfill monitoring.	Annual	VOCs (1) Biogeochemical(2)
GM-6	Monitoring groundwater quality downgradient of RZ-3 West and within Landfill L1.	Annual	VOCs (1) Biogeochemical(2)	Retain well for annual long-term landfill monitoring.	Annual	VOCs(1)
GM-47	Monitoring effectiveness of corrective measures downgradient of RZ-4 West.	Annual	VOCs (1) Biogeochemical(2)	Retain well for annual monitoring of offsite groundwater quality in the residential area.	Annual	VOCs(1)
GM-50	Monitoring effectiveness of corrective measures downgradient of RZ-4 West.	Annual	VOCs (1) Biogeochemical(2)	Retain well for annual monitoring of offsite groundwater quality in the residential area.	Annual	VOCs(1)
GM-51	Monitoring effectiveness of corrective measures downgradient of the site.	Annual	VOCs(1)	Remove well from annual monitoring. Other offsite downgradient wells selected for POC.	Every 5 years	VOCs(1)
GM-52	Monitoring effectiveness of corrective measures downgradient of the site.	Annual	VOCs(1)	Retain well for annual monitoring of VOC concentrations on the eastern side of the river.	Annual	VOCs(1)
GM-63	Monitoring effectiveness of corrective measures downgradient of RZ-4 West.	Annual	VOCs (1) Biogeochemical(2)	Remove from annual monitoring. Groundwater quality in this area to be monitored using GM-47/GM-50.	Every 5 years	VOCs(1)

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Table 21. Summary of Site-Wide Groundwater Monitoring Plan for 2009, General Motors Corporation, Moraine, Ohio.

Monitor Wells	Reason for Monitoring in 2008	Monitoring Frequency	Parameter List	Revised Reason for Monitoring in 2009	Revised Monitoring Frequency	Revised Parameter List
GM-64	Monitoring effectiveness of corrective measures downgradient of RZ-4 West.	Annual	VOCs [1] Biogeochemical[2]	Remove from annual monitoring. Groundwater quality in this area to be monitored using GM-47/GM-50.	Every 5 years	VOCs[1]
TW-2	Monitoring groundwater quality downgradient of the site and Landfill L1.	Annual	VOCs[1]	Retain well for annual monitoring. Capture zone well.	Annual	VOCs[1]
GM-2	Monitoring groundwater quality downgradient of the site.	Annual	VOCs[1]	Retain well for annual long-term landfill monitoring.	Annual	VOCs[1]
GM-16	Monitoring groundwater quality downgradient of the site.	Annual	VOCs[1]	Retain well for annual monitoring of offsite PCE and TCE concentration trends.	Annual	VOCs[1]
GM-17	Monitoring groundwater quality downgradient of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Other offsite downgradient wells selected for POC.	Every 5 years	VOCs[1]
GM-18	Monitoring groundwater quality downgradient of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Other offsite downgradient wells selected for POC.	Every 5 years	VOCs[1]
WSU-24	Monitoring groundwater quality downgradient of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Other offsite downgradient wells selected for POC.	Every 5 years	VOCs[1]
GM-10	Monitoring groundwater quality downgradient of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Other offsite downgradient wells selected for POC.	Every 5 years	VOCs[1]
GM-26	Monitoring groundwater quality downgradient of the site. Point of compliance well.	Annual	VOCs[1]	Retain well for annual monitoring as POC.	Annual	VOCs[1]

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Table 21. Summary of Site-Wide Groundwater Monitoring Plan for 2009, General Motors Corporation, Moraine, Ohio.

Monitor Wells	Reason for Monitoring in 2008	Monitoring Frequency	Parameter List	Revised Reason for Monitoring in 2009	Revised Monitoring Frequency	Revised Parameter List
GM-59	Monitoring groundwater quality for the proposed corrective measures.	Annual	VOCs (1) Biogeochemical(2)	Retain well for annual monitoring. Data from this well will be used to support the future CMP design and establish a data trend.	Annual	VOCs (1) Biogeochemical(2)
GM-60	Monitoring groundwater quality for the proposed corrective measures.	Annual	VOCs (1) Biogeochemical(2)	Retain well for annual monitoring. Data from this well will be used to support the future CMP design and establish a data trend.	Annual	VOCs (1) Biogeochemical(2)
GM-75S	Monitoring groundwater quality for the proposed corrective measures.	Annual	VOCs (1) Biogeochemical(2)	Retain well for annual monitoring. Data from this well will be used to support the future CMP design and establish a data trend.	Annual	VOCs (1) Biogeochemical(2)
GM-55	Monitoring groundwater quality for the proposed point of compliance well.	Annual	VOCs(1)	Retain well for annual monitoring as proposed POC in the CMP and to establish a data trend.	Annual	VOCs(1)
GM-65S	Monitoring groundwater quality for the proposed point of compliance well.	Annual	VOCs(1)	Retain well for annual monitoring as proposed POC in the CMP and to establish a data trend.	Annual	VOCs(1)
GM-78	Monitoring groundwater quality for the proposed point of compliance well.	Annual	VOCs(1)	Retain well for annual monitoring as proposed POC in the CMP and to establish a data trend.	Annual	VOCs(1)
GM-79	Monitoring groundwater quality for the proposed point of compliance well.	Annual	VOCs(1)	Retain well for annual monitoring as proposed POC in the CMP and to establish a data trend.	Annual	VOCs(1)

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Table 21. Summary of Site-Wide Groundwater Monitoring Plan for 2009, General Motors Corporation, Moraine, Ohio.

Monitor Wells	Reason for Monitoring in 2008	Monitoring Frequency	Parameter List	Revised Reason for Monitoring in 2009	Revised Monitoring Frequency	Revised Parameter List
GM-80	Monitoring groundwater quality for the proposed point of compliance well.	Annual	VOCs(1)	Retain well for annual monitoring as proposed POC in the CMP and to establish a data trend.	Annual	VOCs(1)
HR-3	Monitoring groundwater quality downgradient of Landfill L2.	Annual	VOCs(1)	Remove well for annual long-term landfill monitoring. Other wells retained to monitor groundwater quality in this area.	Every 5 years	VOCs(1)
Lower Aquifer Wells						
HR-10	Monitoring groundwater quality upgradient of the site.	Annual	VOCs(1)	Remove well from annual monitoring. VOCs have been nondetect for 10 years and well is redundant with HR-12.	Every 5 years	VOCs(1)
HR-12	Monitoring groundwater quality upgradient of the site.	Annual	VOCs(1)	Retain for annual monitoring. Well contains low level chlorinated VOC concentrations. Well retained to monitor upgradient groundwater quality.	Annual	VOCs(1)
HR-15	Monitoring groundwater quality in the central portion of the site.	Annual	VOCs(1)	Retain well for annuall monitoring. Well contains vinyl chloride and will be retained to monitor groundwater quality on the western plume boundary.	Annual	VOCs(1)
GM-39	Monitoring groundwater quality in the central portion of the site.	Annual	VOCs(1)	Remove well from annual monitoring. Low level stable VOC concentrations have been observed for 6 years. Other wells will be retained to monitor groundwater quality in the central portion of the site (GM-68D, GM-75D).	Every 5 years	VOCs(1)

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Table 21. Summary of Site-Wide Groundwater Monitoring Plan for 2009, General Motors Corporation, Moraine, Ohio.

Monitor Wells	Reason for Monitoring in 2008	Monitoring Frequency	Parameter List	Revised Reason for Monitoring in 2009	Revised Monitoring Frequency	Revised Parameter List
GM-40	Monitoring groundwater quality in the central portion of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Low level stable VOC concentrations have been observed for 6 years. Other wells will be retained to monitor groundwater quality on the western plume boundary (GM-19D).	Every 5 years	VOCs[1]
GM-41	Monitoring groundwater quality in the central portion of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Well contains TCE that can be monitored by downgradient onsite well GM-69.	Every 5 years	VOCs[1]
GM-42	Monitoring groundwater quality in the central portion of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Low level stable VOC concentrationshave been observed for 6 years. Other wells will be retained to monitor groundwater quality on the western plume boundary (GM-19D).	Every 5 years	VOCs[1]
GM-54	Monitoring groundwater quality in the central portion of the site.	Annual	VOCs[1]	Retain well for annuall monitoring. Well contains PCE and will be retained to monitor groundwater quality on the eastern plume boundary.	Annual	VOCs[1]
GM-58	Monitoring groundwater quality in the central portion of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Well contains PCE that can be monitored by downgradient onsite well GM-54.	Every 5 years	VOCs[1]

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Table 21. Summary of Site-Wide Groundwater Monitoring Plan for 2009, General Motors Corporation, Moraine, Ohio.

Monitor Wells	Reason for Monitoring in 2008	Monitoring Frequency	Parameter List	Revised Reason for Monitoring in 2009	Revised Monitoring Frequency	Revised Parameter List
GM-61	Monitoring groundwater quality in the central portion of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Other wells will be retained to monitor groundwater quality in the central portion of the site (GM-68D, GM-75D). This well may be added in the future to support the CMP design.	Every 5 years	VOCs[1]
GM-19D	Monitoring groundwater quality downgradient of the site.	Annual	VOCs[1]	Retain well for annual monitoring. Well contains vinyl chloride and will be retained to monitor groundwater quality on the western plume boundary.	Annual	VOCs[1]
GM-3	Monitoring groundwater quality downgradient of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Stable VOC concentrations have been observed for 10 years. Groundwater in this area will be monitored by POC wells.	Every 5 years	VOCs[1]
GM-1	Monitoring groundwater quality downgradient of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Stable VOC concentrations have been observed for 10 years. Groundwater in this area will be monitored by POC wells.	Every 5 years	VOCs[1]
GM-15	Monitoring groundwater quality downgradient of the site. Point of compliance well.	Annual	VOCs[1]	Retain well for annual monitoring as POC.	Annual	VOCs[1]
GM-11	Monitoring groundwater quality downgradient of the site. Point of compliance well.	Annual	VOCs[1]	Retain well for annual monitoring as POC.	Annual	VOCs[1]
GM-20D	Monitoring groundwater quality downgradient of the site. Point of compliance well.	Annual	VOCs[1]	Retain well for annual monitoring as POC.	Annual	VOCs[1]

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Table 21. Summary of Site-Wide Groundwater Monitoring Plan for 2009, General Motors Corporation, Moraine, Ohio.

Monitor Wells	Reason for Monitoring in 2008	Monitoring Frequency	Parameter List	Revised Reason for Monitoring in 2009	Revised Monitoring Frequency	Revised Parameter List
DN-13	Monitoring groundwater quality downgradient of the site.	Annual	VOCs[1]	Retain well for annual monitoring. Capture zone well.	Annual	VOCs[1]
GM-9	Monitoring groundwater quality downgradient of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Stable VOC concentrations have been observed for 10 years. Groundwater in this area will be monitored by POC wells.	Every 5 years	VOCs[1]
MT-69	Monitoring groundwater quality downgradient of the site.	Annual	VOCs[1]	Remove well from annual monitoring. Well screen is damaged, groundwater quality in this area can be monitored using GM-56.	NA	NA
GM-68D	Monitoring groundwater quality for the proposed corrective measures.	Annual	VOCs[1]	Retain well for annual monitoring. Data from this well will be used to support the future CMP design and establish a data trend.	Annual	VOCs[1]
GM-75D	Monitoring groundwater quality for the proposed corrective measures.	Annual	VOCs[1]	Retain well for annual monitoring. Data from this well will be used to support the future CMP design and establish a data trend.	Annual	VOCs[1]
GM-82	Monitoring groundwater quality for the proposed corrective measures.	Annual	VOCs[1]	Remove well from annual monitoring. Other wells will be retained to monitor groundwater quality in the central portion of the site (GM-68D, GM-75D). This well will be added in the future to support the CMP design.	Every 5 years	VOCs[1]
GM-83D	Monitoring groundwater quality for the proposed point of compliance well.	Annual	VOCs[1]	Retain well for annual monitoring as proposed POC in the CMP and to establish a data trend.	Annual	VOCs[1]

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Table 21. Summary of Site-Wide Groundwater Monitoring Plan for 2009, General Motors Corporation, Moraine, Ohio.

Monitor Wells	Reason for Monitoring in 2008	Monitoring Frequency	Parameter List	Revised Reason for Monitoring in 2009	Revised Monitoring Frequency	Revised Parameter List
GM-84	Monitoring groundwater quality for the proposed point of compliance well.	Annual	VOCs(1)	Retain well for annual monitoring as proposed POC in the CMP and to establish a data trend.	Annual	VOCs(1)

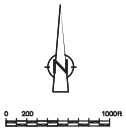
(1) The parameters for the remaining annual sampling events will include the site-specific list of VOCs: benzene, 1,1,-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, ethylbenzene, tetrachloroethene, toluene, 1,1,1-trichloroethane, trichloroethene, vinyl chloride, and xylenes.

(2) The biogeochemical list includes the following field and laboratory parameters: Field parameter - pH, specific conductivity, dissolved oxygen, oxidation reduction potential, and temperature, and Laboratory parameters - manganese (total and dissolved), iron (total and dissolved), sulfate, sulfide, total organic carbon, chlorides, ethane, ethene, and methane.

(3) Additional parameters include benzo(a)anthracene, benzo(b)fluoranthene, antimony (total), cadmium (total), chromium (total), and PCBs.

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: FIG 1 SITE LAYOUT SAVED: 2/26/2009 11:30 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/27/2009 10:06 AM BY: SMITH, BOB

XREFS: PROJECTNAME: ----
OH294BASE MAP 2008



LEGEND

PROPERTY BOUNDARY
RIVER LEVEE

GENERAL MOTORS CORPORATION
MORAINE, OHIO
OH000294.0012

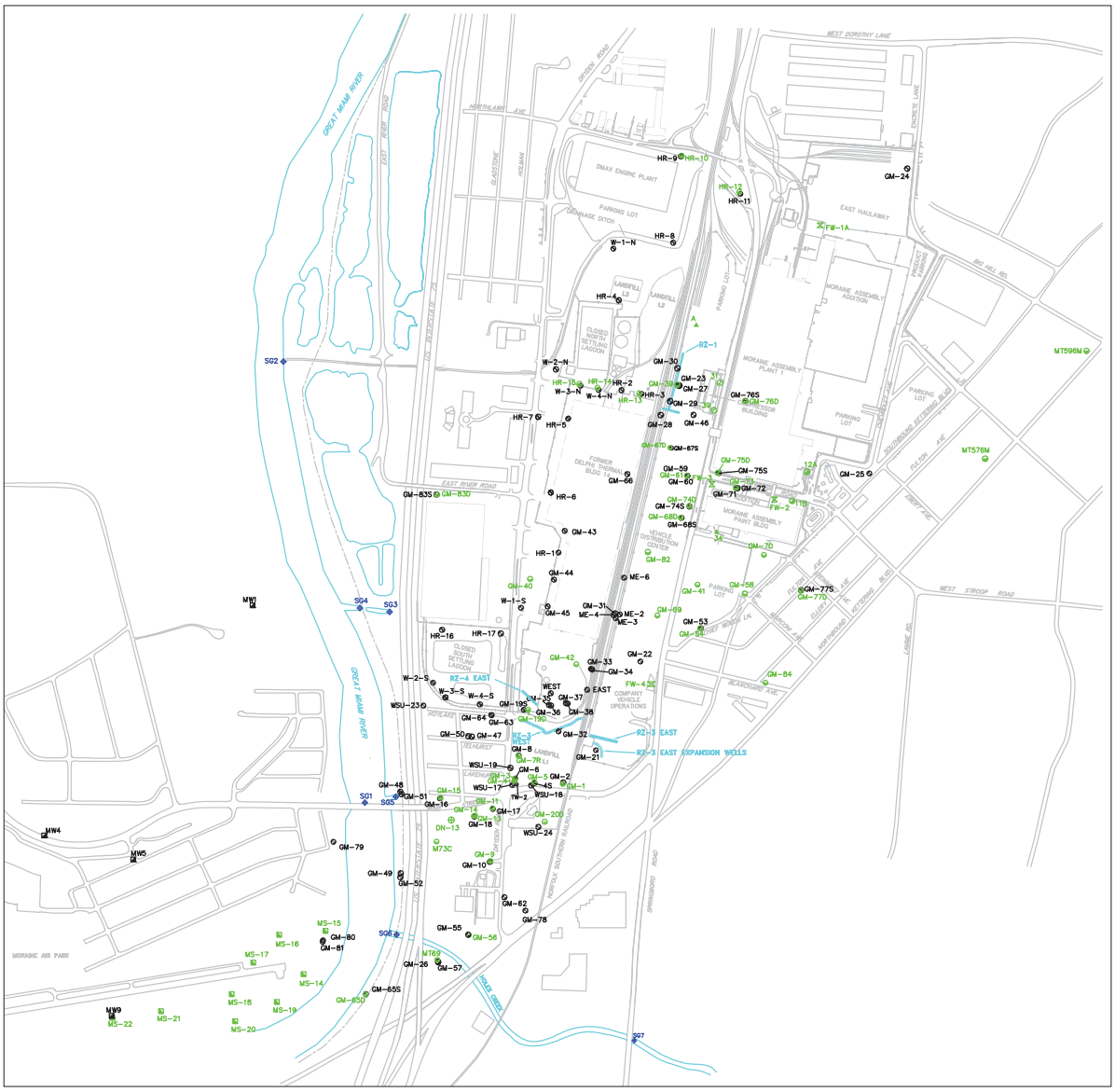
SITE LAYOUT

ARCADIS

FIGURE
1

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: FIG 2 - SITE LAYOUT-ALL WELLS SAVED: 2/26/2009 11:30 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/27/2009 10:09 AM BY: SMITH, BOB

XREFS: PROJECTNAME: ----
OH294BASE MAP 2008



LEGEND

- MONITORING WELL (UPPER AQUIFER)
- RECOVERY WELL (TW-2)
- MONITORING WELL (LOWER AQUIFER)
- CARBON SOURCE INTRODUCTION WELLS, REACTIVE ZONES (RZ-1, RZ-3, AND RZ-4)
- FIRE WELL
- PRODUCTION WELL CONVERTED TO MONITORING WELL (31, 39)
- INACTIVE PRODUCTION WELL (31, 39)
- ACTIVE PRODUCTION WELL (11B, 12A)
- MONTGOMERY COUNTY WELL (USED BY GM FOR PUMP TO WASTE PROGRAM)
- MONTGOMERY COUNTY WELL (INACTIVE MIAMI SHORES DAYTON PRIMARY PUBLIC SUPPLY BACKUP)
- STREAM GAUGE
- RIVER LEVEE
- CITY OF MORAINE MONITORING WELL

NOTES:
1. GREEN INDICATES LOWER AQUIFER WELLS.
2. BLACK INDICATES UPPER AQUIFER WELLS.

N

0 200 1000ft

GENERAL MOTORS CORPORATION
MORAINE, OHIO
OH000294.0012

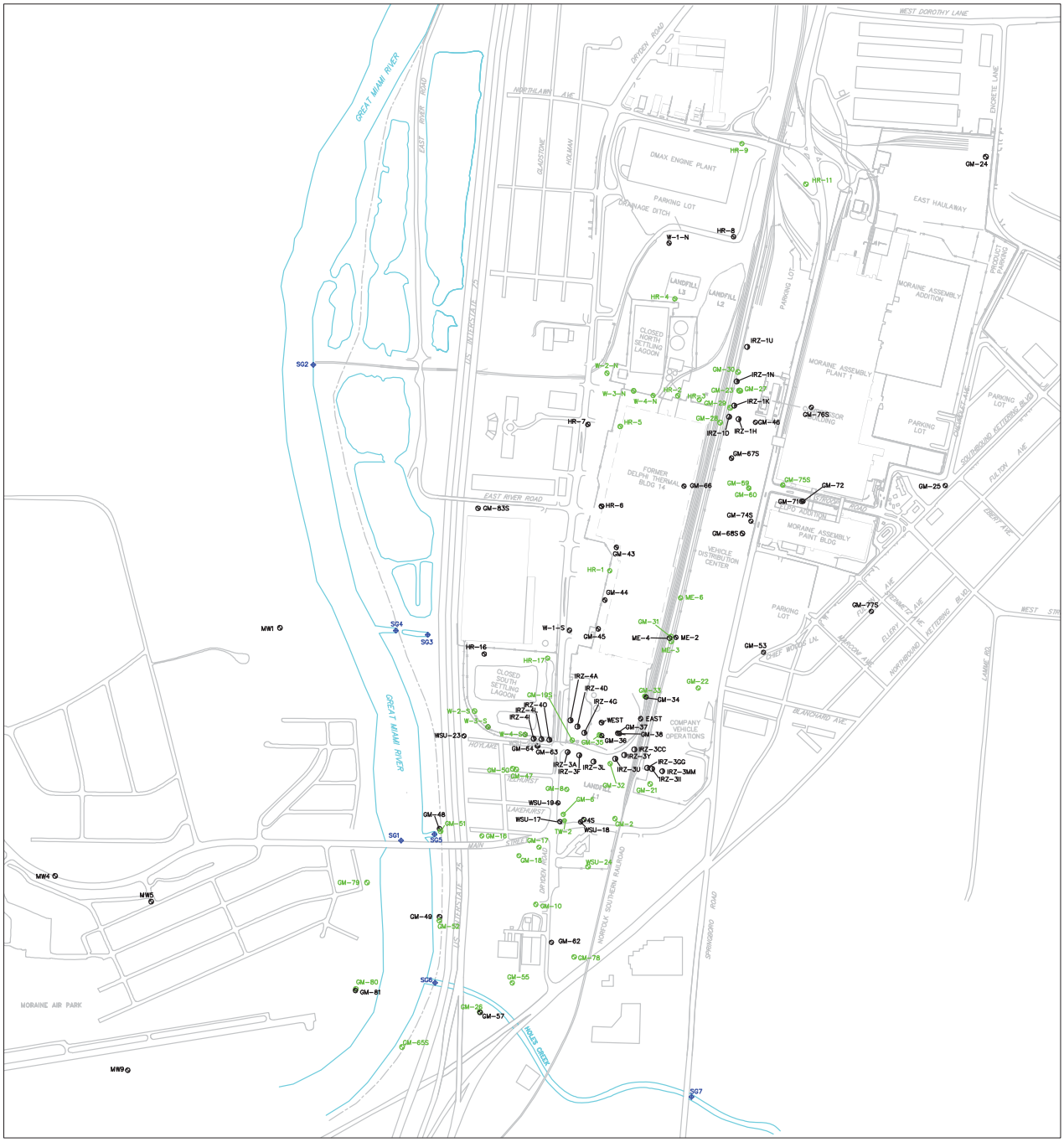
SITE-WIDE CORRECTIVE MEASURES

ARCADIS

FIGURE
2

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: FIG 3 UPPER WELLS SAVED: 2/26/2009 11:30 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/27/2009 10:10 AM BY: SMITH, BOB

XREFS: PROJECTNAME: ----
OH294BASE MAP 2008



LEGEND

- MONITORING WELL (UPPER AQUIFER)
- RECOVERY WELL (USED FOR SITE-WIDE MONITORING)
- STREAM GAUGE
- CARBON INTRODUCTION WELL
- MONITORING WELL USED FOR SITE-WIDE MONITORING (UPPER AQUIFER)
- FORMER BUILDING 14 FOOTPRINT
- RIVER LEVEE

N

0 200 1000ft

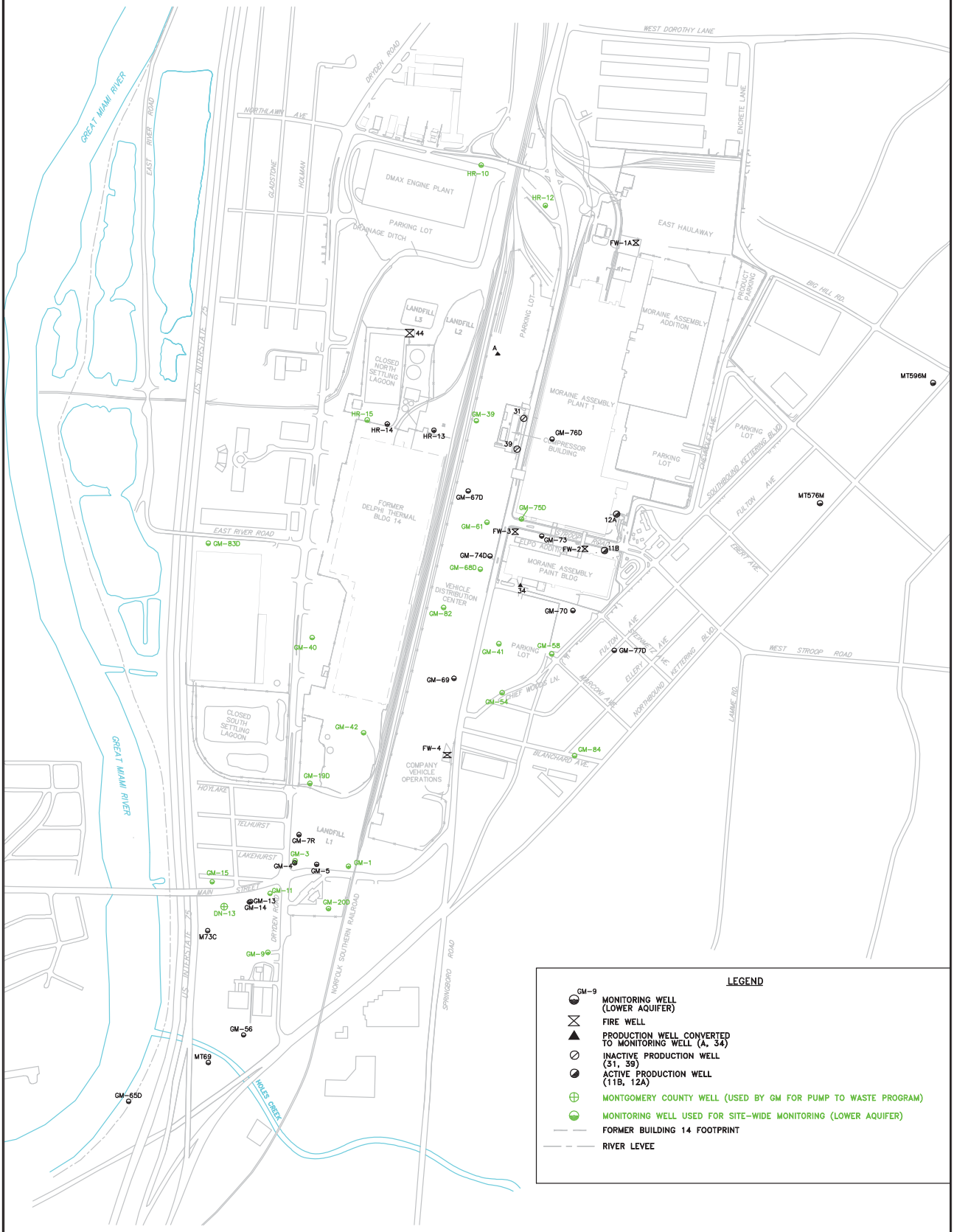
GENERAL MOTORS CORPORATION
MORAINE, OHIO

UPPER AQUIFER MONITORING WELLS FOR SITE-WIDE GROUNDWATER MONITORING

ARCADIS

FIGURE
3

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: FIG 4 DEEP WELLS SAVED: 2/27/2009 10:12 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/27/2009 10:13 AM BY: SMITH, BOB
XREFS: PROJECTNAME: ----
OH294BASE MAP 2006



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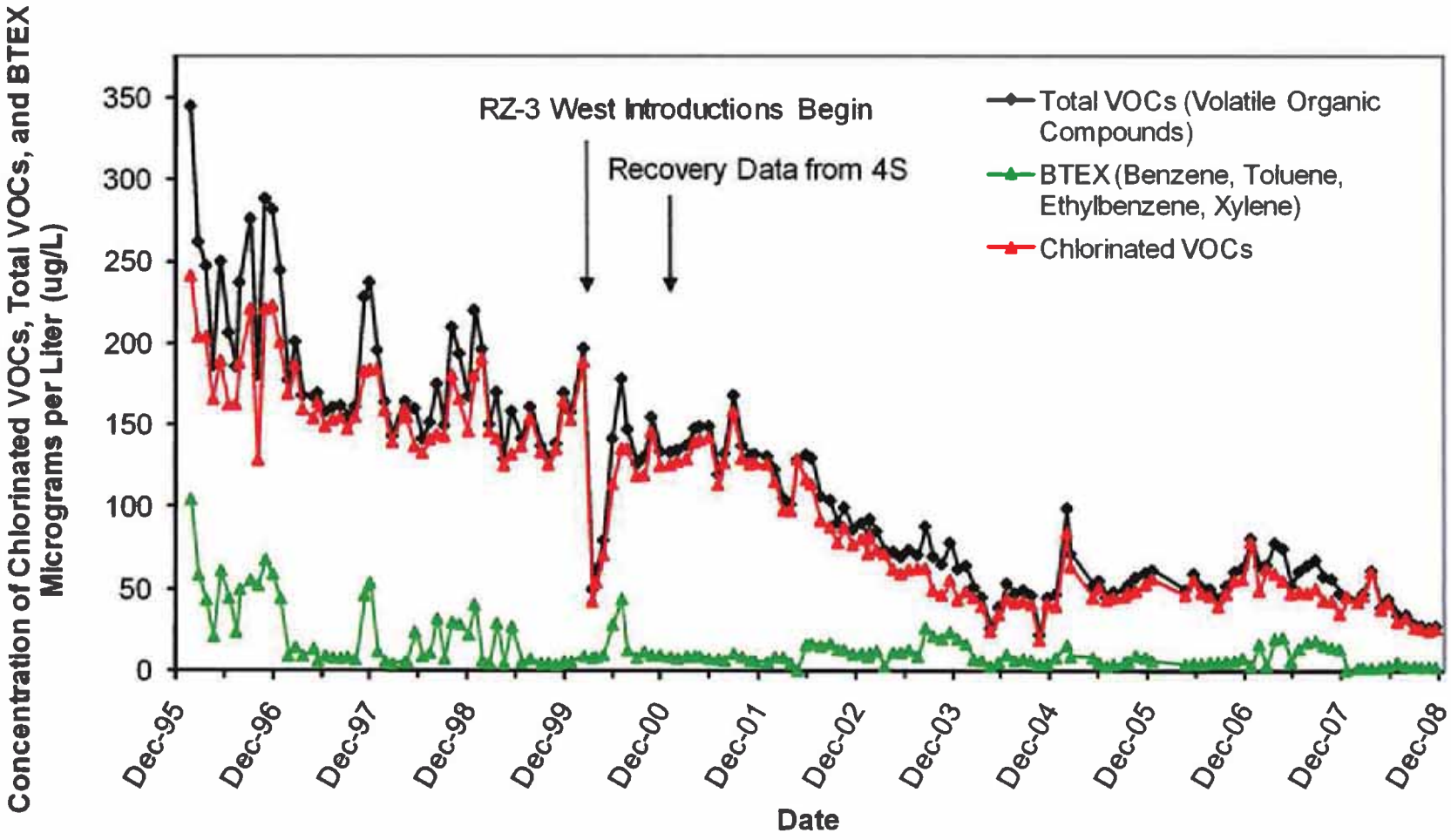
MORAINE, OHIO
OH000294.0012

LOWER AQUIFER MONITORING WELLS FOR SITE-WIDE GROUNDWATER MONITORING

ARCADIS

FIGURE
4

CITY (DUBLIN) DIV/GROUP (SER2) DB (R. SMITH) LD (Opt) PIC (Opt) PM (N. GILLOTT) TM (T. FORTNER) LYR (Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: FIG 5 INFLUENT VOCS SINCE STARTUP SAVED: 2/27/2009 10:58 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: --- PLOTTED: 2/27/2009 11:22 AM BY: SMITH, BOB
PROJECTNAME: ---



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MORAINE, OHIO
OH000294.0012

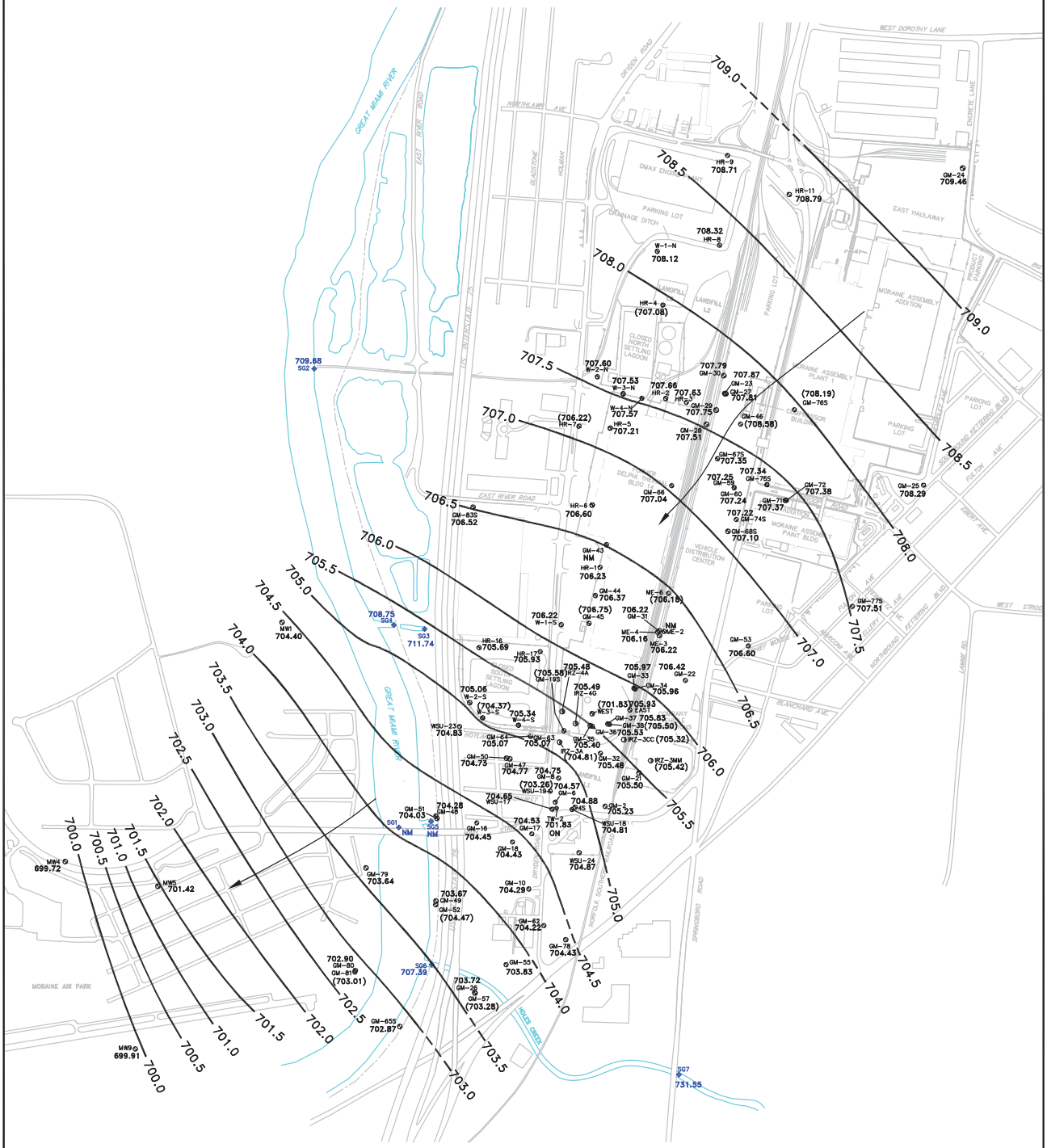
INFLUENT VOCs SINCE START-UP, GROUNDWATER RECOVERY AND TREATMENT SYSTEM

ARCADIS

FIGURE
5

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: FIG 6 GW ELEV 1117-1808 SHAL SAVED: 2/27/2009 10:12 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/27/2009 10:14 AM BY: SMITH, BOB

XREFS: PROJECTNAME: ----
OH294BASE MAP 2008



LEGEND

	MONITORING WELL (UPPER AQUIFER)
	RECOVERY WELL (TW-2)
707.94	STREAM GAUGE AND STREAM GAUGE MEASUREMENT; NOT USED FOR CONTOURING
	CARBON INTRODUCTION WELL
	RIVER LEVEE
706.23	GROUNDWATER ELEVATION (FEET MSL)
706.0	GROUNDWATER CONTOUR (FEET MSL) (DASHED WHERE INFERRED)
( )	NOT USED FOR CONTOURING
NM	NOT MEASURED; DUE TO FLOODING OR DAMAGED WELL
	FLOW DIRECTION
ON/OFF	INDICATES WHETHER RECOVERY WELL IS IN OPERATION

CONTOUR INTERVAL = 0.5 FOOT

GENERAL MOTORS CORPORATION
MORAINE, OHIO

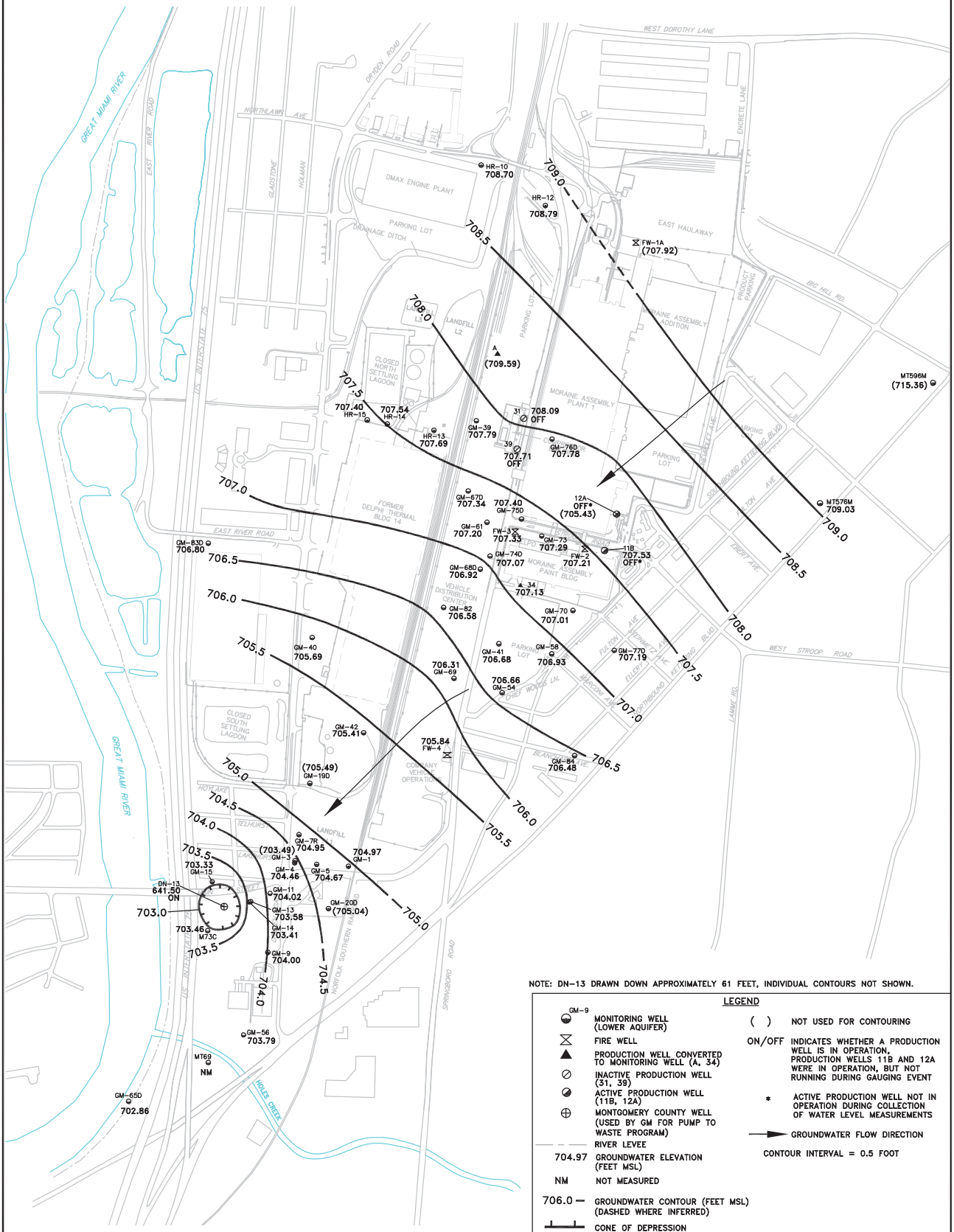
POTENTIOMETRIC SURFACE (UPPER AQUIFER) ON NOVEMBER 17-18, 2008

ARCADIS

FIGURE
6

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: FIG 7 GW ELEV 1117-1808 DEEP SAVED: 2/27/2009 12:26 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/27/2009 12:26 PM BY: SMITH, BOB

XREFS: PROJECTNAME: ----
OH294BASE MAP 2008



NOTE: DN-13 DRAWN DOWN APPROXIMATELY 61 FEET, INDIVIDUAL CONTOURS NOT SHOWN.

LEGEND

GM-9	MONITORING WELL (LOWER AQUIFER)	( )	NOT USED FOR CONTOURING
	FIRE WELL	ON/OFF	INDICATES WHETHER A PRODUCTION WELL IS IN OPERATION. PRODUCTION WELLS 11B AND 12A WERE IN OPERATION, BUT NOT RUNNING DURING GAUGING EVENT
	PRODUCTION WELL CONVERTED TO MONITORING WELL (A, 34)	*	ACTIVE PRODUCTION WELL NOT IN OPERATION DURING COLLECTION OF WATER LEVEL MEASUREMENTS
	INACTIVE PRODUCTION WELL (31, 39)		GROUNDWATER FLOW DIRECTION
	ACTIVE PRODUCTION WELL (11B, 12A)		CONTOUR INTERVAL = 0.5 FOOT
	MONTGOMERY COUNTY WELL (USED BY GM FOR PUMP TO WASTE PROGRAM)		
	RIVER LEVEE		
704.97	GROUNDWATER ELEVATION (FEET MSL)		
NM	NOT MEASURED		
706.0	GROUNDWATER CONTOUR (FEET MSL) (DASHED WHERE INFERRED)		
	CONE OF DEPRESSION		

0 200 700ft

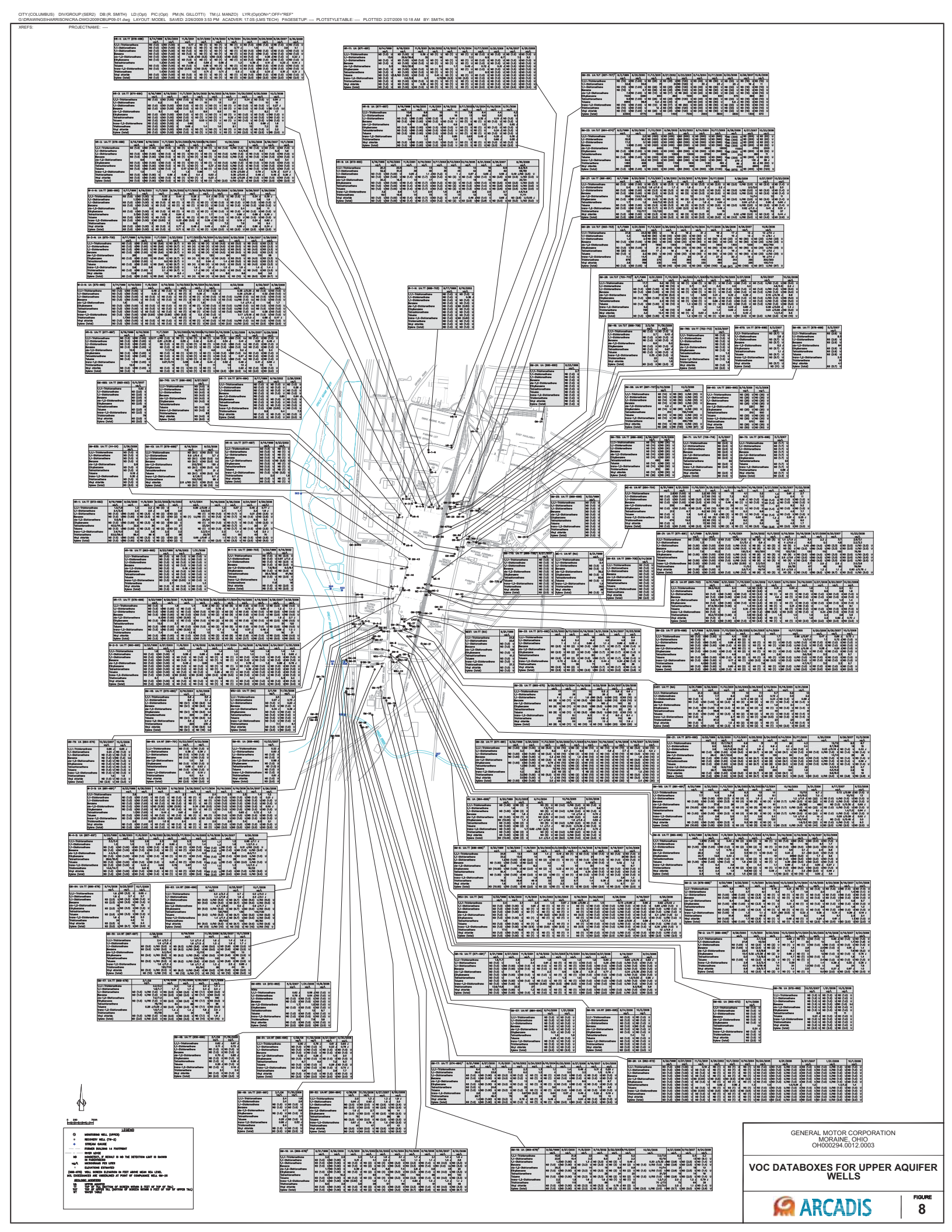
GENERAL MOTORS CORPORATION
MORAINE, OHIO

POTENTIOMETRIC SURFACE (LOWER AQUIFER) ON NOVEMBER 17-18, 2008

ARCADIS

FIGURE 7

CITY:(COLUMBUS) DIV/GROUP:(SER2) DB:(R. SMITH) LD:(Opt) PIC:(Opt) PM:(N. GILLOTTI) TM:(J. MANZO) LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2009\DBUP09-01.dwg LAYOUT: MODEL SAVED: 2/26/2009 3:53 PM ACADVER: 17.05 (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/27/2009 10:18 AM BY: SMITH, BOB
XREFS: PROJECTNAME: ----



GENERAL MOTOR CORPORATION
MORAINE, OHIO
OH000294.0012.0003

VOC DATABOXES FOR UPPER AQUIFER WELLS

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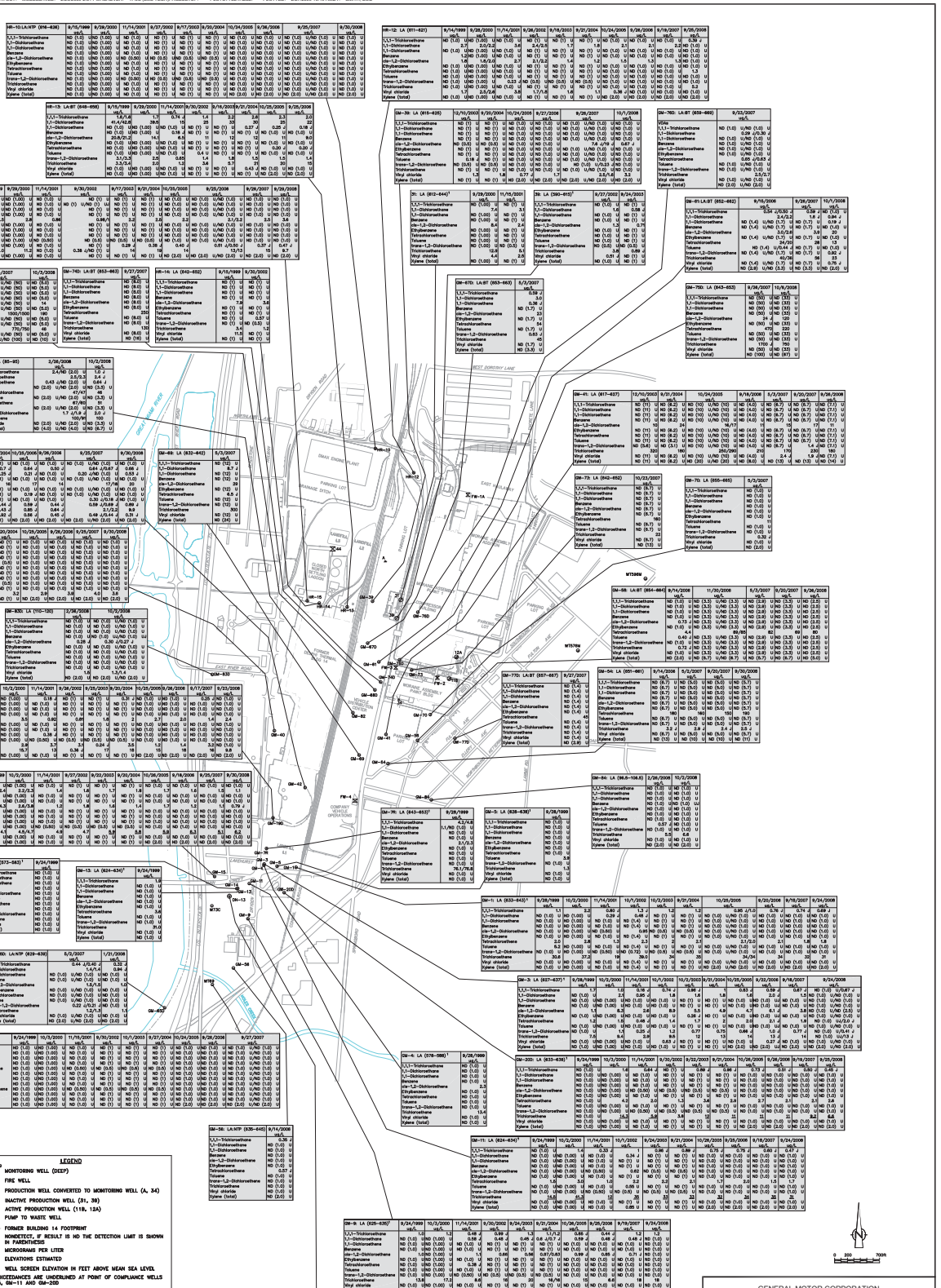
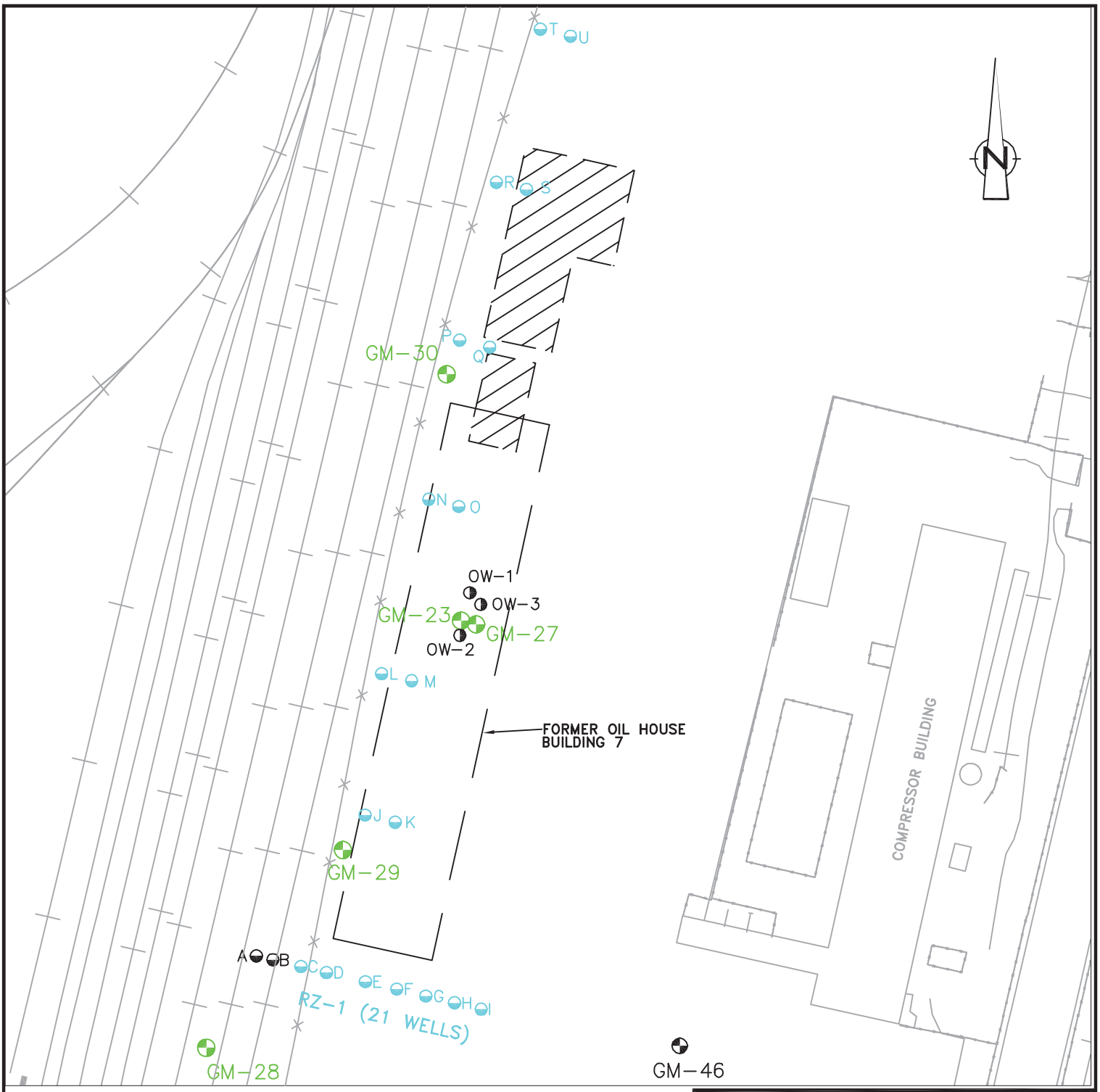
FIGURE 8

CITY:(COLUMBUS) DIV/GROUP:(SER2) DB:(R. SMITH) LD:(Cpt) PIC:(Cpt) PM:(N. GILLOTTI) TM:(J. MANZO) LYR:(Opt)ON=*;OFF=*REF*
G:\SHAWINGS\HARRISON\CRA-DWG\2008DELOW09-02.dwg LAYOUT: MODELSAVED: 2/26/2009 2:31 PMACADVER: 17.05 (LMS TECH)PAGESETUP: ----PLOTSTYLETABLE: ----PLOTTED: 2/27/2009 10:19 AMBY: SMITH, BOB
XREFS: PROJECTNAME: ----





0 150 FT

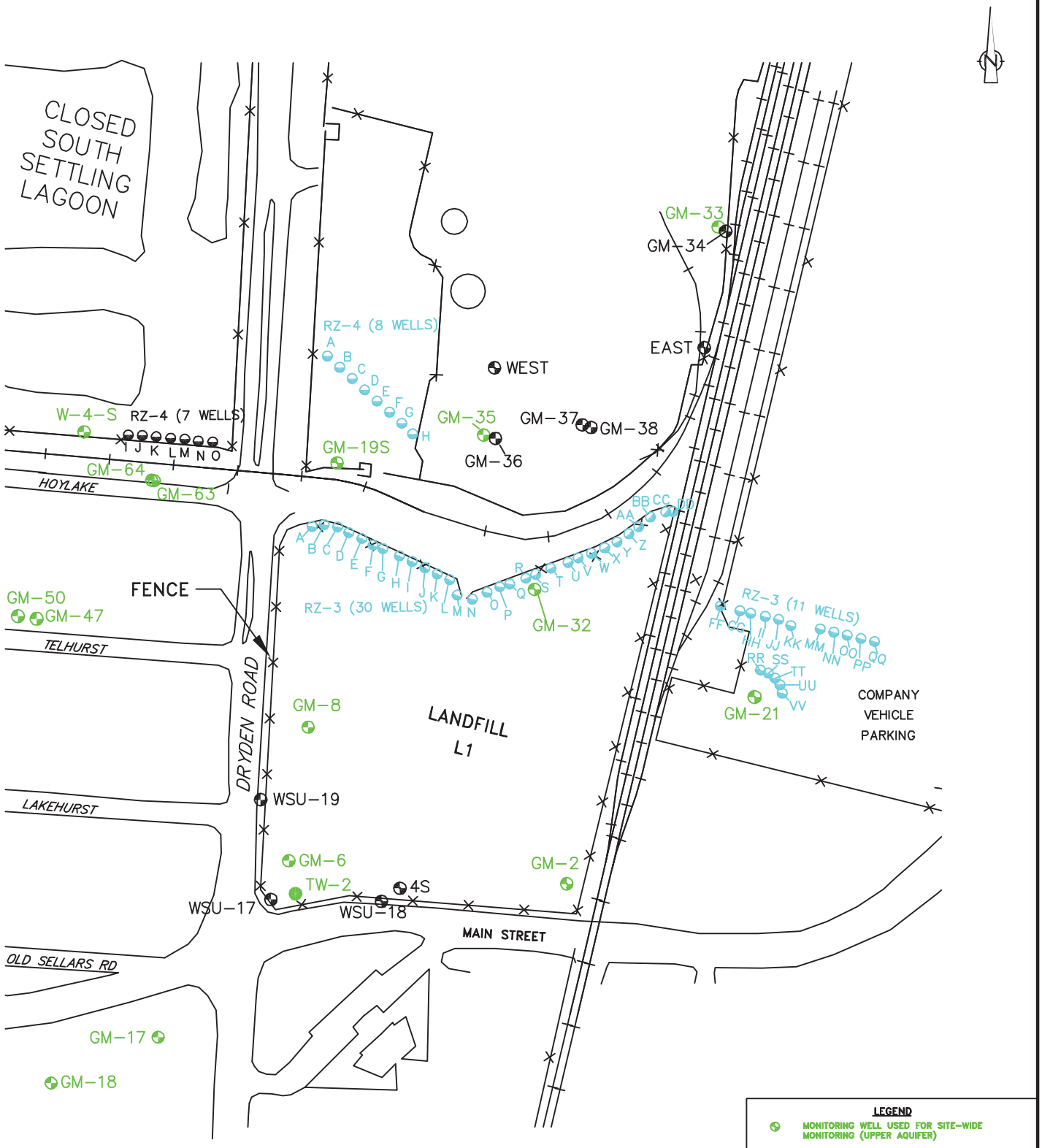
LEGEND

- MONITORING WELL (UPPER AQUIFER)
- OXIDATION WELLS USED AS CARBON SOURCE INTRODUCTION WELLS (INACTIVE)
- MONITORING WELL USED FOR SITE-WIDE (UPPER AQUIFER)
- CARBON SOURCE INTRODUCTION WELL
- INACTIVE CARBON SOURCE INTRODUCTION WELL
- APPROXIMATE LOCATION OF FORMER MORAINE ENGINE TANK FARM

ARCADIS
284 Cramer Creek Court
Dublin, OH 43017
Tel: 614/764-2310 Fax: 614/764-1270

REACTIVE ZONE #1
GENERAL MOTORS CORPORATION
MORAINE, OHIO

DATE	PROJECT MANAGER	DRAWING NAME
2/16/2009	N. GILLOTTI	C\07\ANN\ANN08-07
DRAWN	LEAD DESIGN PROF.	CHECKED
R. SMITH	J. HUNT	T. FORTNER
PROJECT NUMBER		FIGURE NUMBER
OH000294.0012.0002		10



NOTE: INTRODUCTION WELL RZ-3LL WAS NOT INSTALLED DUE TO PRESENCE OF UNDERGROUND UTILITIES.

ARCADIS
284 Cramer Creek Court
Dublin, OH 43017
Tel: 614/764-2310 Fax: 614/764-1270

REACTIVE ZONES #3 AND #4
GENERAL MOTORS CORPORATION
MORAINE, OHIO

DATE	PROJECT MANAGER	DRAWING NAME
2/16/2009	N. GILLOTTI	C\07\ANN\ANN08-09
DRAWN	LEAD DESIGN PROF.	CHECKED
R. SMITH	J. HUNT	N. GILLOTTI
PROJECT NUMBER		FIGURE NUMBER
0H000294.0012.0002		11

ARCADIS

Appendix A

Site-Wide Groundwater VOC
Analytical Results from 1999 to 2007

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Table A-1. Groundwater Analytical Results for the Upper Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

		VOCs											
Well	**Date**	**1,1,1-TCA**	**1,1-DCA**	**1,1-DCE**	**Benzene**	**cis-1,2-DCE**	**Ethyl-benzene**	**PCE**	**Toluene**	**trans-1,2-DCE**	**TCE**	**Vinyl Chloride**	**Xylenes**
Upgradient of the Site													
HR-9	9/16/1999	20.3	52.2	<1.0	<1.0	20.3	<1.0	<1.0	<1.0	3.2	18.1	<1.0	<1.0
HR-9	9/18/2000	20.5	51.0	<1.0	<1.0	16.3	<1.0	<1.0	<1.0	2.6	16.9	<1.0	<1.0
HR-9	11/6/2001	17	38	0.95J	< 1.4	12	< 1.4	< 1.4	< 1.4	1.7	14	< 1.4	< 1.4
HR-9	9/19/2002	13	46	1.1J	< 1.7	17	< 1.7	< 1.7	< 1.7	2.5	15	< 1.7	< 1.7
HR-9	9/17/2003	12	35	< 1.2 U	< 1.2 U	11	< 1.2 U	< 1.2 U	< 1.2 U	1.5	11	< 1.2 U	< 1.2 U
HR-9	9/13/2004	15	45	1 J	< 2 U	17	< 2 U	< 2 U	< 2 U	2.5	13	0.44 J	< 2 U
HR-9	10/19/2005	14	42	0.97 J	< 1.2 U	19	< 1.2 U	< 1.2 U	< 1.2 U	2.8	12	0.46 J	< 2.5 U
HR-9	9/21/2006	16	36	0.65 J	< 1.4 U	15	< 1.4 U	< 1.4 U	< 1.4 U	2.5	13	< 1.4 U	< 2.9 U
HR-9	9/25/2007	8.9	62	0.56J	< 2.5 U	25	< 2.5 U	< 2.5 U	< 2.5 U	3.7	12	0.66J	<5 U
HR-11	9/14/1999	<1.0	13.5	<1.0	<1.0	3.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
HR-11	9/18/2000	<1.0	32.9	<1.0	<1.0	18.5	<1.0	<1.0	<1.0	2.6	<1.0	<1.0	<1.0
HR-11	11/6/2001	0.30J	33	<1.0	< 1.0	18	< 1.0	< 1.0	< 1.0	2.3	< 1.0	< 1.0	< 1.0
HR-11	9/26/2002	< 1	18	< 1	< 1	6.1	< 1	< 1	< 1	0.72	< 1	< 1	< 1
HR-11	9/18/2003	< 1 U	10	< 1 U	< 1 U	1.7	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U
HR-11	9/15/2004	< 1 U	7.3	< 1 U	< 1 U	0.45 J	< 1 U	2.2	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U
HR-11	10/17/2005	< 1.0 U	6.5	< 1.0 U	< 1.0 U	0.72 J	< 1.0 U	6.0	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U
HR-11	9/25/2006	< 1 U	6.7	< 1 U	< 1 U	0.31 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
HR-11	9/19/2007	< 1 U	7.1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
GM-24	9/23/1999	2.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
On-Site													
HR-8	9/16/1999	10.6	26.4	<1.0	<1.0	4.4	<1.0	<1.0	<1.0	1.5	1.6	<1.0	<1.0
HR-8	9/18/2000	9.9	29.0	<1.0	<1.0	5.6	<1.0	<1.0	<1.0	1.8	1.1	<1.0	<1.0
HR-8	11/6/2001	10	26	< 1.0	< 1.0	5.4	< 1.0	< 1.0	< 1.0	1.3	1.4	< 1.0	< 1.0
HR-8	9/19/2002	11	18	0.44J	< 1.0	4.8	< 1.0	< 1.0	< 1.0	0.85	1.8	< 1.0	< 1.0
HR-8	9/17/2003	7.8	13	< 1 U	< 1 U	2.8	< 1 U	< 1 U	< 1 U	0.63	1.3	< 1 U	< 1 U
HR-8	9/13/2004	6.4	8.6	0.32 J	< 1 U	1.5	< 1 U	< 1 U	< 1 U	0.45 J	1	< 1 U	< 1 U
HR-8	10/19/2005	4.4	5.5	0.19 J	< 1.0 U	1.3	< 1.0 U	0.24 J	< 1.0 U	0.28 J	0.66 J	< 1.0 U	< 2.0 U
HR-8	9/21/2006	4.2	6.1	< 1 U	< 1 U	0.92 J	< 1 U	< 1 U	< 1 U	0.3 J	0.55 J	< 1 U	< 2 U
W-1-N	9/17/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
W-1-N	9/19/2002	< 1.0	0.36J	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0
HR-4	9/14/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	1.4	<1.0	<1.0
HR-4	9/20/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
HR-4	11/6/2001	0.17J	< 1.0	< 1.0	< 1.0	0.28J	< 1.0	0.88J	< 1.0	< 0.50	1.0	< 1.0	< 1.0
HR-4	9/27/2002	< 1	< 1	< 1	< 1	< 0.5	< 1	0.59J	< 1	< 0.5	0.71J	< 1	< 1
HR-4	9/18/2003	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	0.55 J	< 1 U	< 0.5 U	0.71 J	< 1 U	< 1 U
HR-4	9/16/2004	< 1 U	0.77 J	< 1 U	< 1 U	< 0.5 U	< 1 U	1.3	< 1 U	< 0.5 U	0.5 J	< 1 U	< 1 U

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Table A-1. Groundwater Analytical Results for the Upper Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

		VOCs											
Well	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	Benzene	cis-1,2-DCE	Ethyl-benzene	PCE	Toluene	trans-1,2-DCE	TCE	Vinyl Chloride	Xylenes
HR-4	10/20/2005	< 1.0 U	1.5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.39 J	< 1.0 U	< 1.0 U	0.32 J	< 1.0 U	< 2.0 U
HR-4	9/25/2006	< 1 U	1.6	< 1 U	< 1 U	0.26 J	< 1 U	0.41 J	< 1 U	< 1 U	0.34 J	< 1 U	< 2 U
HR-4	9/26/2007	< 1 U	3.6	< 1 U	< 1 U	< 1 U	< 1 U	0.33 J	< 1 U	< 1 U	0.31 J	< 1 U	< 2 U
W-2-N	9/14/1999	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0
W-2-N	9/19/2000	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
W-2-N	11/6/2001	0.48J	0.33J	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 0.50	1.3	< 1.0	< 1.0
W-2-N	9/19/2002	< 1.0	0.31J	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 0.50	1.4	< 1.0	< 1.0
W-2-N	9/18/2003	< 1 U	< 1 U	< 1 U	< 1 U	1.3	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U
W-2-N	9/16/2004	0.3 J	0.36 J	< 1 U	< 1 U	1.8	< 1 U	0.31 J	< 1 U	0.2 J	1.4	< 1 U	< 1 U
W-2-N	10/20/2005	< 1.0 U	0.28 J	< 1.0 U	< 1.0 U	1.3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.91 J	< 1.0 U	< 2.0 U
W-2-N	9/22/2006	0.25 J	0.29 J	< 1 UJ	< 1 UJ	1.4 J	< 1 UJ	< 1 UJ	< 1 UJ	0.18 J	1 J	< 1 UJ	< 2 UJ
W-2-N	9/25/2007	< 1 U	0.22 J	< 1 U	< 1 U	1.6	< 1 U	< 1 U	0.28J	< 1 U	0.88J	< 1 U	< 2 U
W-3-N	9/17/1999	<1.0	<1.0	<1.0	<1.0	291	<1.0	2.5	<1.0	2.6	<1.0	12.8	<1.0
W-3-N	9/19/2000	<1.0	<1.0	<1.0	<1.0	282	<1.0	<1.0	<1.0	3.9	<1.0	24.0	<1.0
W-3-N	11/7/2001	< 5.6	< 5.6	< 5.6	< 5.6	160	< 5.6	9.0	< 5.6	2.2J	2.1J	7.6	< 5.6
W-3-N	9/23/2002	< 6.7	< 6.7	< 6.7	< 6.7	150	< 6.7	< 6.7	< 6.7	< 3.3	< 6.7	6.5J	< 6.7
W-3-N	9/17/2003	< 4 U	< 4 U	< 4 U	< 4 U	100	< 4 U	5.1	< 4 U	1.6 J	1.7 J	6.6	< 4 U
W-3-N	9/16/2004	< 4 U	< 4 U	< 4 U	< 4 U	120	< 4 U	0.94 J	< 4 U	1.6 J	< 4 U	6.1	< 4 U
W-3-N	10/20/2005	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	84	< 4.0 U	1.4 J	< 4.0 U	1.0 J	< 4.0 U	8.0	< 8.0 U
W-3-N	9/25/2006	< 5 U	< 5 U	< 5 U	< 5 U	140	< 5 U	< 5 U	< 5 U	1.9 J	< 5 U	9.6	< 10 U
W-3-N	9/26/2007	< 4 U	< 4 U	< 4 U	< 4 U	110	< 4 U	< 4 U	< 4 U	1.4 J	< 4 U	5.6	< 8 U
W-4-N	9/17/1999	<1.0	1.3	<1.0	<1.0	2.2	<1.0	2.1	<1.0	<1.0	9.8	<1.0	<1.0
W-4-N	9/19/2000	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	7.3	<1.0	<1.0
W-4-N	11/7/2001	0.33J	0.89J	< 1.0	< 1.0	1.6	< 1.0	0.92J	< 1.0	< 0.50	7.1	< 1.0	< 1.0
W-4-N	9/24/2002	0.44J	1.7	< 1	< 1	5.2	< 1	0.94J	< 1	0.33J	8.5	0.77J	< 1
W-4-N	9/17/2003	0.26 J	0.94 J	< 1 U	< 1 U	1.7	< 1 U	1.1	< 1 U	< 0.5 U	8.1	0.48 J	< 1 U
W-4-N	9/16/2004	0.4 J	1.7	< 1 U	< 1 U	5.8	< 1 U	1.7	< 1 U	0.38 J	12	0.49 J	< 1 U
W-4-N	10/20/2005	< 1.0 U	1.2	< 1.0 U	< 1.0 U	2.0	< 1.0 U	1.0	< 1.0 U	< 1.0 U	7.2	0.54 J	< 2.0 U
W-4-N	9/25/2006	< 1 U	1.3	< 1 U	< 1 U	2.4	< 1 U	0.96 J	< 1 U	0.19 J	7.6	0.56 J	< 2 U
W-4-N	9/26/2007	0.34J	1.6	< 1 U	< 1 U	2.6	< 1 U	0.88 J	< 1 U	0.24 J	10	0.96 J	< 2 U
HR-2	9/16/1999	<1.0	3.9	<1.0	<1.0	9.6	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<1.0
HR-2	9/19/2000	<1.0	4.6	<1.0	<1.0	8.6	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0
HR-2	11/7/2001	< 1.0	4.2	< 1.0	< 1.0	8.3	< 1.0	< 1.0	< 1.0	1.1	0.56J	< 1.0	< 1.0
HR-2	9/24/2002	< 1	4.9	< 1	< 1	8.8	< 1	< 1	< 1	1.2	0.46J	< 1	< 1
HR-2	9/16/2003	< 1 U	4.5	< 1 U	< 1 U	7.2	< 1 U	< 1 U	< 1 U	0.96	0.4 J	< 1 U	< 1 U
HR-2	9/16/2004	< 1 U	5.6	< 1 U	< 1 U	7.8	< 1 U	0.37 J	< 1 U	1.1	0.53 J	0.23 J	< 1 U
HR-2	10/20/2005	< 1.0 U	4.4	< 1.0 U	< 1.0 U	5.0	< 1.0 U	< 1.0 U	< 1.0 U	0.78 J	0.35 J	0.29 J	< 2.0 U

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Table A-1. Groundwater Analytical Results for the Upper Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

		VOCs											
Well	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	Benzene	cis-1,2-DCE	Ethyl-benzene	PCE	Toluene	trans-1,2-DCE	TCE	Vinyl Chloride	Xylenes
HR-2	9/25/2006	< 1 U	5.2	< 1 U	< 1 U	5.6	< 1 U	< 1 U	< 1 U	0.79 J	0.48 J	< 1 U	< 2 U
HR-2	9/26/2007	< 1 U	5.3	< 1 U	< 1 U	5.0	< 1 U	< 1 U	< 1 U	0.76J	0.45J	< 1 U	< 2 U
HR-3	9/16/1999	<1.0	6.2	<1.0	<1.0	6.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
HR-3	9/19/2000	<1.0	5.1	<1.0	<1.0	4.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
HR-3	11/7/2001	< 1.0	6.9	< 1.0	< 1.0	5.1	< 1.0	< 1.0	< 1.0	0.60	0.66J	< 1.0	< 1.0
HR-3	9/24/2002	< 1	15	< 1	< 1	9.9	< 1	< 1	< 1	1	1.4	< 1	< 1
HR-3	9/16/2003	< 1 U	13	< 1 U	< 1 U	9.9	< 1 U	< 1 U	< 1 U	1.1	1.6	< 1 U	< 1 U
HR-3	9/16/2004	0.27 J	23	< 1 U	< 1 U	18	< 1 U	0.32 J	< 1 U	1.8	8.1	< 1 U	< 1 U
HR-3	10/20/2005	0.34 J	18	< 1.0 U	< 1.0 U	11	< 1.0 U	< 1.0 U	< 1.0 U	1.5	10	< 1.0 U	< 2.0 U
HR-3	9/25/2006	< 1 U	10	< 1 U	< 1 U	8.2	< 1 U	< 1 U	< 1 U	0.99 J	7.2	< 1 U	< 2 U
GM-30	9/2/1999	<10	53.8J	<10	<10	7.5J	7030J	9.5J	6950J	<10	<10	<10	23300J
GM-30	9/20/2000	<1.0	50.6	<1.0	2.7	<1.0	2290	<1.0	98.9	<1.0	<1.0	<1.0	6770
GM-30	11/13/2001	< 25	31	< 25	< 25	< 12	840	< 25	5.0J	< 12	12J	< 25	2000
GM-30	9/27/2002	< 33	34	< 33	< 33	< 17	350	< 33	< 33	< 17	< 33	< 33	1400
GM-30	9/23/2003	< 120 U	< 120 U	< 120 U	< 120 U	< 62 U	1000	< 120 U	240	< 62 U	< 120 U	< 120 U	7000
GM-30	9/14/2004	< 40 U	33 J	< 40 U	< 40 U	< 20 U	530	< 40 U	< 40 U	< 20 U	< 40 U	< 40 U	3000
GM-30	10/17/2005	< 50 U	23 J	< 50 U	< 50 U	< 50 U	620	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	3800
GM-30	9/20/2006	< 33 U	25 J	< 33 U	< 33 U	< 33 U	570	< 33 U	5.8 J	< 33 U	< 33 U	< 33 U	2500
GM-30	9/26/2007	< 18 U	16 J	< 18 U	< 18 U	< 18 U	380	< 18 U	< 18 U	< 18 U	< 18 U	< 18 U	1300
GM-23	9/2/1999	7.2	32.5	17.2	1.9	7530	<1.0	6250	<1.0	54.5	1460	2500	7.0
GM-23	9/20/2000	2.0	16.3	5.1	<1.0	5620	<1.0	3470	<1.0	33.2	609	801	<1.0
GM-23	11/12/2001	< 420	< 420	< 420	< 420	8400	< 420	15000	< 420	< 210	2200	1200	< 420
GM-23	9/26/2002	< 400	< 400	< 400	< 400	7700	< 400	10000	< 400	< 200	1700	540	< 400
GM-23	9/23/2003	< 500 U	< 500 U	< 500 U	< 500 U	5800	< 500 U	12000	< 500 U	< 250 U	1600	690	< 500 U
GM-23	9/14/2004	< 500 U	< 500 U	< 500 U	< 500 U	4600	< 500 U	6700	< 500 U	< 250 U	1100	870	< 500 U
GM-23	10/17/2005	< 560 U	< 560 U	< 560 U	< 560 U	19000	< 560 U	2300	< 560 U	< 560 U	490 J	2800	< 1100 U
GM-23	9/28/2006	< 330 U	< 330 U	< 330 U	< 330 U	11000	< 330 U	370	< 330 U	270 J	95 J	4100	< 670 U
GM-23	9/27/2007	< 200 U	< 200 U	< 200 U	< 200 U	4700	< 200 U	280	< 200 U	130 J	82 J	2600	< 400 U
GM-27	9/1/1999	<1.0	2.4	<1.0	<1.0	20.6	<1.0	1.7	<1.0	<1.0	121	<1.0	<1.0
GM-27	9/20/2000	<1.0	2.2	<1.0	<1.0	13.9	<1.0	1.2	<1.0	<1.0	112	<1.0	<1.0
GM-27	11/13/2001	< 3.3	1.8J	< 3.3	< 3.3	13	< 3.3	6.8	< 3.3	< 1.7	110	< 3.3	< 3.3
GM-27	9/26/2002	< 3.3	1.7J	< 3.3	< 3.3	14	< 3.3	< 3.3	< 3.3	< 1.7	100	< 3.3	< 3.3
GM-27	9/23/2003	< 5 U	1.9 J	< 5 U	< 5 U	12	< 5 U	2.1 J	< 5 U	< 2.5 U	100	< 5 U	< 5 U
GM-27	9/15/2004	< 3.3 U	2 J	< 3.3 U	< 3.3 U	13	< 3.3 U	1.8 J	< 3.3 U	< 1.7 U	81	< 3.3 U	< 3.3 U
GM-27	10/17/2005	< 2.5 U	2.2 J	< 2.5 U	< 2.5 U	14	< 2.5 U	0.94 J	< 2.5 U	0.49 J	76	0.82 J	< 5.0 U
GM-27	9/28/2006	< 2.5 U	2.6	< 2.5 U	< 2.5 U	14	< 2.5 U	1 J	< 2.5 U	1 J	80	< 2.5 U	< 5 U
GM-27	9/27/2007	< 2 U	2.3	< 2 U	< 2 U	12	< 2 U	0.9 J	< 2 U	0.41 J	70	< 2 U	< 4 U

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Table A-1. Groundwater Analytical Results for the Upper Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

		VOCs											
Well	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	Benzene	cis-1,2-DCE	Ethyl-benzene	PCE	Toluene	trans-1,2-DCE	TCE	Vinyl Chloride	Xylenes
GM-29	9/1/1999	37.8	4.3	1.3	<1.0	320	<1.0	<20	<1.0	11.1	878	3.8	<1.0
GM-29	9/21/2000	24.5	16.6	3.1	<1.0	2871	<1.0	20.0	2.2	14.4	289	788	<1.0
GM-29	11/13/2001	< 50	< 50	< 50	< 50	1800	21J	17J	< 50	26	270	230	52
GM-29	9/25/2002	16J	< 40	< 40	< 40	1300	< 40	18J	< 40	21	310	140	< 40
GM-29	9/24/2003	18 J	< 33 U	< 33 U	< 33 U	1200	< 33 U	18 J	< 33 U	20	390	150	< 33 U
GM-29	9/15/2004	21 J	< 50 U	< 50 U	< 50 U	1200	< 50 U	20 J	< 50 U	21 J	440	230	< 50 U
GM-29	10/17/2005	19 J	18 J	< 50 U	< 50 U	1600	< 50 U	15 J	< 50 U	27 J	390	490	< 100 U
GM-29	9/28/2006	17 J	15 J	< 33 U	< 33 U	1300	< 33 U	15 J	< 33 U	20 J	310	210	< 67 U
GM-29	9/26/2007	15 J	15 J	< 50 U	< 50 U	1200	< 50 U	18 J	< 50 U	19 J	350	290	< 100 U
GM-28	9/1/1999	17.7	3.3	<1.0	<1.0	175	<1.0	316	<1.0	9.2	768	3.2	<1.0
GM-28	9/21/2000	5.0	9.9	<1.0	<1.0	37.0	<1.0	2.3	<1.0	22.3	1.6	12.4	<1.0
GM-28	11/15/2001	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	11	< 10	< 10	< 10
GM-28	9/24/2002	< 1	2.7	< 1	< 1	1.1	< 1	< 1	< 1.3 U	11	0.86J	< 1	< 1.2 U
GM-28	10/1/2003	< 1 U	3.3	< 1 U	< 1 U	0.58	< 1 U	< 1 U	< 1 U	4	1.6	0.53 J	< 1 U
GM-28	9/15/2004	< 1 U	3.3	< 1 U	< 1 U	0.41 J	< 1 U	0.88 J	< 1 U	1.2	1.4	0.44 J	< 1 U
GM-28	10/18/2005	< 1.0 U	4.0	< 1.0 U	< 1.0 U	0.32 J	< 1.0 U	< 1.0 U	< 1.0 U	0.63 J	0.66 J	1.1	< 2.0 U
GM-28	9/27/2006	< 1 U	4.2	< 1 U	< 1 U	0.26 J	< 1 U	< 1 U	< 1 U	0.66 J	0.43 J	0.42 J	< 2 U
GM-28	9/20/2007	< 1 U	4.6	< 1 U	< 1 U	0.72 J	< 1 U	< 1 U	< 1 U	0.58 J	0.51 J	1.2	< 2 U
GM-25	9/22/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GM-25	9/22/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
HR-7	9/17/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	9.8	<1.0	<1.0
HR-7	9/19/2002	< 1.0	< 1.0	< 1.0	< 1.0	0.65	< 1.0	< 1.0	< 1.0	< 0.50	9.4	< 1.0	< 1.0
HR-7	9/19/2002	< 1.0	< 1.0	< 1.0	< 1.0	0.65	< 1.0	< 1.0	< 1.0	< 0.50	9.4	< 1.0	< 1.0
HR-5	9/16/1999	<1.0	<1.0	<1.0	<1.0	10.5	<1.0	<1.0	<1.0	1.1	12.0	<1.0	<1.0
HR-5	9/19/2000	<1.0	<1.0	<1.0	<1.0	5.6	<1.0	<1.0	3.0	<1.0	8.1	<1.0	2.0
HR-5	11/7/2001	0.17J	0.55J	< 1.0	< 1.0	7.8	< 1.0	< 1.0	< 1.0	0.74	11	< 1.0	< 1.0
HR-5	9/23/2002	< 1	0.55J	< 1	< 1	7.5	< 1	< 1	< 1	0.58	13	< 1	< 1
HR-5	9/18/2003	< 1 U	0.42 J	< 1 U	< 1 U	5	< 1 U	< 1 U	< 1 U	0.46 J	11	< 1 U	< 1 U
HR-5	9/13/2004	< 1 U	0.43 J	< 1 U	< 1 U	4.8	< 1 U	< 1 U	< 1 U	0.44 J	11	< 1 U	< 1 U
HR-5	10/18/2005	< 1.0 U	0.54 J	< 1.0 U	< 1.0 U	4.6	< 1.0 U	< 1.0 U	< 1.0 U	0.52 J	13	1.1	< 2.0 U
HR-5	9/22/2006	< 1 UJ	0.41 J	< 1 UJ	< 1 UJ	5.2 J	< 1 UJ	0.27 J	< 1 UJ	0.46 J	13 J	0.22 J	< 2 UJ
HR-5	9/24/2007	< 1 U	0.51J	< 1 U	< 1 U	5.4	< 1 U	< 1 U	< 1 U	0.41J	13	< 1 U	< 2 U
HR-6	9/16/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	<1.0
HR-6	9/23/2002	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	1.5	< 1	< 1
HR-1	9/16/1999	1.6	2.4	<1.0	<1.0	5.8	<1.0	44.3	<1.0	3.9	56.0	<1.0	<1.0
HR-1	9/25/2000	1.3	2.4	<1.0	<1.0	8.5	<1.0	32.6	<1.0	3.2	56.4	<1.0	<1.0
HR-1	11/8/2001	2.2J	2.8J	< 3.3	< 3.3	9.9	< 3.3	36	< 3.3	2.8	86B	< 3.3	< 3.3

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Table A-1. Groundwater Analytical Results for the Upper Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

		VOCs											
Well	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	Benzene	cis-1,2-DCE	Ethyl-benzene	PCE	Toluene	trans-1,2-DCE	TCE	Vinyl Chloride	Xylenes
HR-1	9/23/2002	< 2	2.8	< 2	< 2	4.5	< 2	33	< 2	3.2	33	< 2	< 2
HR-1	9/18/2003	1 J	2.6	< 2 U	< 2 U	2.3	< 2 U	27	< 2 U	3.2	56	< 2 U	< 2 U
HR-1	9/13/2004	0.56 J	2.5	< 1 U	< 1 UJ	24	< 1 U	23	< 1 U	2.3	30	0.55 J	< 1 U
HR-1	10/18/2005	1.2	2.7	< 1.0 U	< 1.0 U	19	< 1.0 U	28	< 1.0 U	2.3	43	1.1	< 2.0 U
HR-1	9/25/2006	0.57 J	1.7	< 1.7 U	< 1.7 U	14	< 1.7 U	< 1.7 U	< 1.7 U	1.4 J	50	< 1.7 U	< 3.3 U
HR-1	9/24/2007	0.45J	2.2	0.21J	< 1 U	9.5	< 1 U	20	< 1 U	1.9	40	< 1 U	< 2 U
W-1-S	9/22/1999	<1.0	<1.0	<1.0	<1.0	8.0	<1.0	30.9	<1.0	1.1	11.6	<1.0	<1.0
W-1-S	9/19/2002	< 2.0	0.97J	< 2.0	< 2.0	6.0	< 2.0	62	< 2.0	1.3	16	< 2.0	< 2.0
W-1-S	9/19/2002	< 2.0	0.97J	< 2.0	< 2.0	6.0	< 2.0	62	< 2.0	1.3	16	< 2.0	< 2.0
ME-6	8/31/1999	2.9	<1.0	<1.0	<1.0	255	<1.0	213	<1.0	<1.0	474	<1.0	<1.0
ME-6	9/21/2000	<1.0	<1.0	<1.0	<1.0	98.8	<1.0	6.7	1.9	2.5	19.0	6.1	<1.0
ME-6	11/15/2001	2.2	2.7	< 2.0	< 2.0	65	< 2.0	8.2	0.42J	1.8	23	13	< 2.0
ME-6	9/25/2002	< 10	< 10	< 10	< 10	5.2	< 10	< 10	6.6J	< 5	< 10	< 10	< 10
ME-6	10/1/2003	13	7.2	< 2 U	0.46 J	20	< 2 U	12	< 2 U	< 1 U	31	2.9	< 2 U
ME-6	9/15/2004	4.1	6.3	0.26 J	< 1 U	14	< 1 U	5.3	< 1 U	0.56	9.2	2.4	< 1 U
ME-6	10/18/2005	2.2	7.0	< 1.0 U	< 1.0 U	13	< 1.0 U	9.8	< 1.0 U	0.93 J	25	5.6	< 2.0 U
ME-6	9/27/2006	1.4	6.3	< 1.4 U	< 1.4 U	27	< 1.4 U	13	< 1.4 U	1.3 J	32	11	< 2.9 U
ME-6	9/20/2007	0.61 J	6.4	< 1 U	< 1 U	9.2	< 1 U	4.5	< 1 U	0.51 J	12	4.5	< 2 U
ME-1	8/31/1999	13.5	2.4	<1.0	<1.0	38.2	<1.0	83.6	<1.0	1.5	292	36	<1.0
GM-31	9/1/1999	<1.0	1.3	<1.0	<1.0	7.8	<1.0	1.3	<1.0	<1.0	27.2	<1.0	<1.0
GM-31	9/21/2000	<1.0	1.1	<1.0	<1.0	40.2	<1.0	<1.0	<1.0	<1.0	8.5	<1.0	<1.0
GM-31	11/15/2001	< 4.0	3.1J	< 4.0	< 4.0	120	< 4.0	< 4.0	< 4.0	1.8J	11	7.4	< 4.0
GM-31	9/24/2002	< 6	5.9J	< 6	< 6	200	< 6	< 6	< 6	3.5	10	19	< 6
GM-31	10/1/2003	< 5 U	6	< 5 U	< 5 U	170	< 5 U	< 5 U	< 5 U	3.5	28	10	< 5 U
GM-31	9/15/2004	1.4 J	4 J	< 5 U	< 5 U	120	< 5 U	2.5 J	< 5 U	2.7	29	2.4 J	< 5 U
GM-31	10/18/2005	3.4	6.2	0.42 J	< 2.0 U	120	< 2.0 U	< 2.0 U	< 2.0 U	3.7	67	3.1	< 4.0 U
GM-31	9/27/2006	2.3 J	5.1	< 4 U	< 4 U	110	< 4 U	< 4 U	< 4 U	2.9 J	65	1.2 J	< 8 U
GM-31	9/20/2007	3.7	4.8	< 3.3 U	< 3.3 U	100	< 3.3 U	< 3.3 U	< 3.3 U	2.8 J	90	1.1 J	6.7 U
ME-3	8/31/1999	42.5	6.1	<1.0	<1.0	5.7	<1.0	57.9	<1.0	<1.0	47.5	<1.0	<1.0
ME-3	9/21/2000	6.4	3.4	<1.0	<1.0	2.9	<1.0	<1.0	1.4	2.9	<1.0	2.1	<1.0
ME-3	11/15/2001	1.6	5.9	< 1.0	< 1.0	16	< 1.0	1.3	0.34J	2.7	3.8	7.3	< 1.0
ME-3	9/24/2002	< 2.5	< 2.5	< 2.5	< 2.5	< 1.2	< 2.5	< 2.5	< 2.5	< 1.2	< 2.5	< 2.5	< 2.5
ME-3	10/1/2003	0.31 J	24	< 1 U	0.6 J	0.96	< 1 U	< 1 U	< 1 U	< 0.5 U	1.5	< 1 U	< 1 U
ME-3	9/15/2004	0.53 J	18	< 1 U	< 1 U	2.2	< 1 U	0.21 J	< 1 U	< 0.5 U	1.5	1.1	< 1 U
ME-3	10/18/2005	1.6	15	< 1.0 U	< 1.0 U	1.1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	1.9	1.6	< 2.0 U
ME-3	9/27/2006	1.1	8.5	< 1 U	< 1 U	3.5	< 1 U	1.9	< 1 U	0.34 J	2.4	2.2	< 2 U
ME-3	9/20/2007	2	3.8	< 1 U	< 1 U	1.2	< 1 U	5.2	< 1 U	< 1 U	3.6	0.82 J	< 2 U

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Table A-1. Groundwater Analytical Results for the Upper Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

		VOCs											
Well	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	Benzene	cis-1,2-DCE	Ethyl-benzene	PCE	Toluene	trans-1,2-DCE	TCE	Vinyl Chloride	Xylenes
GM-43	9/22/2006	< 5 UJ	3.7 J	< 5 UJ	< 5 UJ	120 J	< 5 UJ	21 J	< 5 UJ	5.7 J	98 J	< 5 UJ	< 10 UJ
GM-45	9/22/2006	3.5 J	3.1 J	< 8 UJ	< 8 UJ	54 J	< 8 UJ	230 J	< 8 UJ	2.7 J	230 J	< 8 UJ	< 16 UJ
HR-16	9/23/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.7	<1.0	<1.0
HR-16	9/18/2002	< 1.0	< 1.0	< 1.0	< 1.0	0.46J	< 1.0	< 1.0	< 1.0	< 0.50	1.5	< 1.0	< 1.0
HR-17	9/23/1999	<1.0	<1.0	<1.0	<1.0	6.2	<1.0	15.5	<1.0	<1.0	7.4	<1.0	<1.0
HR-17	9/28/2000	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	3.7	<1.0	<1.0	4.4	<1.0	<1.0
HR-17	11/8/2001	1.4	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	3.3	< 1.0	< 0.50	4.2B	< 1.0	< 1.0
HR-17	9/18/2002	0.39J	1.5	< 1.0	< 1.0	5.1	< 1.0	22	< 1.0	1.4	12	< 1.0	< 1.0
HR-17	9/25/2003	< 2 U	0.75 J	< 2 U	< 2 U	2.2	< 2 U	64	< 2 U	0.7 J	10	< 2 U	< 2 U
HR-17	9/17/2004	< 5 U	2 J	< 5 U	< 5 U	7.1	< 5 U	82	< 5 U	1.6 J	18	< 5 U	< 5 U
HR-17	10/19/2005	< 1.8 U	0.70 J	< 1.8 U	< 1.8 U	3.1	< 1.8 U	45	< 1.8 U	0.57 J	8.3	< 1.8 U	< 3.7 U
HR-17	9/18/2006	< 1 U	0.6 J	< 1 U	< 1 U	4.6	< 1 U	34	< 1 U	0.46 J	5.6	< 1 U	< 2 U
HR-17	9/25/2007	< 2.5 U	1.2 J	< 2.5 U	< 2.5 U	1.9 J	< 2.5 U	51	< 2.5 U	0.69 J	16	< 2.5 U	< 5 U
W-2-S	9/23/1999	1.9J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	6.1	<1.0	<1.0
W-2-S	9/27/2000	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.0	<1.0	<1.0
W-2-S	11/8/2001	1.7	0.58J	< 1.0	< 1.0	0.49J	< 1.0	< 1.0	< 1.0	< 0.50	5.2B	< 1.0	< 1.0
W-2-S	9/18/2002	1.5	0.98J	< 1.0	< 1.0	0.90	< 1.0	< 1.0	< 1.0	< 0.50	4.9	< 1.0	< 1.0
W-2-S	9/26/2003	1.4	0.99 J	< 1 U	< 1 U	0.74	< 1 U	< 1 U	0.25 J	< 0.5 U	5.5	< 1 U	< 1 U
W-2-S	9/17/2004	1.5	1.3	< 1 U	< 1 U	1.1	< 1 U	0.55 J	< 1 U	< 0.5 U	6	< 1 U	< 1 U
W-2-S	10/19/2005	1.6	1.2	< 1.0 U	< 1.0 U	0.78 J	< 1.0 U	0.36 J	< 1.0 U	< 1.0 U	5.4	< 1.0 U	< 2.0 U
W-2-S	9/18/2006	1.8	1.2	< 1 U	< 1 U	1.2	< 1 U	< 1 U	< 1 U	< 1 U	5.1	< 1 U	< 2 U
W-2-S	9/24/2007	1.4	1.1	< 1 U	< 1 U	0.89 J	< 1 U	< 1 U	< 1 U	< 1 U	5.3	< 1 U	< 2 U
W-3-S	9/23/1999	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	2.6	<1.0	<1.0
W-3-S	9/28/2000	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.5	<1.0	<1.0
W-3-S	11/8/2001	1.6	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	0.44J	< 1.0	< 0.50	1.5B	< 1.0	< 1.0
W-3-S	9/18/2002	2.1	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	0.61J	< 1.0	< 0.50	2.4	< 1.0	< 1.0
W-3-S	9/26/2003	1.8	< 1 U	< 1 U	< 1 U	0.34 J	< 1 U	0.81 J	< 1 U	< 0.5 U	2	< 1 U	< 1 U
W-3-S	9/17/2004	2.4	0.21 J	< 1 U	< 1 U	< 0.5 U	< 1 U	1.2	< 1 U	< 0.5 U	2.9	< 1 U	< 1 U
W-3-S	10/19/2005	2.5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	1.0	< 1.0 U	< 1.0 U	2.9	< 1.0 U	< 2.0 U
W-3-S	9/18/2006	2.5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.6 J	< 1 U	< 1 U	3.4	< 1 U	< 2 U
W-3-S	9/24/2007	1.4	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.72 J	< 1 U	< 1 U	2	< 1 U	< 2 U
W-4-S	9/23/1999	3.3	1.2	<1.0	<1.0	4.4	<1.0	30.5J	<1.0	<1.0	14.7J	<1.0	<1.0
W-4-S	9/28/2000	3.0	1.0	<1.0	<1.0	4.0	<1.0	15.4	<1.0	<1.0	11.3	<1.0	<1.0
W-4-S	11/8/2001	2.9	1.1	< 1.0	< 1.0	3.3	< 1.0	13	< 1.0	0.43J	8.9B	< 1.0	< 1.0
W-4-S	9/18/2002	2.3	0.87J	< 1.0	< 1.0	3.6	< 1.0	17	< 1.0	0.60	9.8	< 1.0	< 1.0
W-4-S	9/26/2003	2	0.92 J	< 1 U	< 1 U	3.6	< 1 U	24	0.25 J	0.78	13	< 1 U	< 1 U
W-4-S	9/17/2004	2.3	1.2	< 1 U	< 1 U	4.4	< 1 U	18	< 1 U	0.97	13	< 1 U	< 1 U

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Table A-1. Groundwater Analytical Results for the Upper Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

		VOCs											
Well	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	Benzene	cis-1,2-DCE	Ethyl-benzene	PCE	Toluene	trans-1,2-DCE	TCE	Vinyl Chloride	Xylenes
W-4-S	10/19/2005	2.4	1.4	< 1.0 U	< 1.0 U	4.3	< 1.0 U	20	< 1.0 U	1.1	13	< 1.0 U	< 2.0 U
W-4-S	9/19/2006	1.7	1.3	< 1 U	< 1 U	4.3	< 1 U	18	< 1 U	1	12	< 1 U	< 2 U
W-4-S	9/24/2007	1.5	1.8	< 1 U	< 1 U	5.9	< 1 U	26	< 1 U	1.3	16	< 1 U	< 2 U
GM-19S	9/20/1999	16.0	7.7	1.0	<1.0	34.6	<10	46.0	<1.0	2.3	71.1	<1.0	<10
GM-19S	9/22/2000	14.5	4.4	<1.0	<1.0	37.6	<1.0	68.0	<1.0	2.6	104	<1.0	<1.0
GM-19S	11/12/2001	7.6	2.9J	< 3.3	< 3.3	26	< 3.3	64	< 3.3	2.0	97	< 3.3	< 3.3
GM-19S	9/26/2002	6.3	6.3	< 4	< 4	39	< 4	52	< 4	2.7	110	5.2	< 4
GM-19S	9/25/2003	13	8.3	1.6 J	< 5 U	89	< 5 U	62	< 5 U	2.9	140	< 5 U	< 5 U
GM-19S	9/13/2004	14	8.1	1.9 J	< 4 U	61	< 4 U	71	< 4 U	2.4	120	< 4 U	< 4 U
GM-19S	10/18/2005	13	9.0	1.2 J	< 1.7 U	29	< 1.7 U	95	< 1.7 U	1.0 J	140	1.8	< 3.3 U
GM-19S	9/21/2006	9.7 J	7 J	< 22 U	< 22 U	660	< 22 U	9.1 J	< 22 U	10 J	11 J	< 22 U	< 44 U
GM-19S	9/17/2007	0.59 J	10	< 1 U	< 1 U	0.3 J	< 1 U	1.5	< 1 U	0.29 J	0.46 J	< 1 U	< 2 U
EAST	9/21/1999	21.0	5.4	<1.0	<1.0	9.1	<1.0	61.0	<1.0	<1.0	56.1	<1.0	<1.0
EAST	9/22/2000	22.2	7.7	1.2	<1.0	77.3	<1.0	55.8	<1.0	1.8	97.2	3.0	<1.0
EAST	11/12/2001	13	6.2	0.90J	< 3.3	51	< 3.3	56	< 3.3	2.7	92	1.5J	< 3.3
EAST	9/23/2002	10	3.9	0.73J	< 2	8.8	< 2	49	< 2	< 1	46	< 2	< 2
EAST	9/25/2003	7.1	2.3	< 2 U	< 2 U	4.3	< 2 U	47	< 2 U	< 1 U	35	< 2 U	< 2 U
EAST	9/13/2004	5.7	0.72 J	0.34 J	< 1 U	1.6	< 1 U	40	< 1 U	< 0.5 U	23	< 1 U	< 1 U
EAST	10/18/2005	5.9	3.0	< 1.0 U	< 1.0 U	3.1	< 1.0 U	47	< 1.0 U	< 1.0 U	23	1.2	< 2.0 U
EAST	9/21/2006	10	3.2	0.59 J	< 1.4 U	4.1	< 1.4 U	41	< 1.4 U	< 1.4 U	29	< 1.4 U	< 2.9 U
WEST	9/21/1999	24.8	25.6	<1.0	<1.0	125	<1.0	41.3	<1.0	<1.0	37.3	<1.0	<1.0
GM-33	9/25/2003	21	8.4	1 J	< 2.5 U	19	< 2.5 U	37	< 2.5 U	0.72 J	75	< 2.5 U	< 2.5 U
GM-33	9/13/2004	17	5.4	1.1 J	< 2 U	9.5	< 2 U	37	< 2 U	0.45 J	55	< 2 U	< 2 U
GM-33	10/18/2005	18	6.4	0.69 J	< 1.0 U	7.4	< 1.0 U	50	< 1.0 U	0.36 J	71	1.0	< 2.0 U
GM-33	9/21/2006	18	4.5	1.1 J	< 1.7 U	6.9	< 1.7 U	37	< 1.7 U	0.44 J	64	< 1.7 U	< 3.3 U
GM-33	9/24/2007	15	4.9	0.68 J	< 1.7 U	5.5	< 1.7 U	32	< 1.7 U	0.34 J	49	< 1.7 U	< 3.3 U
GM-35	9/25/2003	17	46	4 J	< 8 U	300	< 8 U	21	< 8 U	12	270	59	< 8 U
GM-35	9/13/2004	17	36	4.1 J	< 11 U	270	< 11 U	21	< 11 U	9.1	230	50	< 11 U
GM-35	10/18/2005	12	36	1.8 J	< 5.0 U	190	< 5.0 U	29	< 5.0 U	9.3	240	23	< 10 U
GM-35	9/22/2006	5.5 J	26 J	< 5 UJ	< 5 UJ	160 J	< 5 UJ	14 J	< 5 UJ	11 J	130 J	13 J	< 10 UJ
GM-35	9/24/2007	5.8 J	26	< 10 U	< 10 U	140	< 10 U	22	< 10 U	8 J	110	12	< 20 U
GM-32	9/22/1999	<1.0	3.3	<1.0	<1.0	2.6	<1.0	1.2	1.0	4.2	3.2	3.0	<1.0
GM-32	9/25/2000	<1.0	35.9	<1.0	<1.0	<1.0	<1.0	<1.0	10.4	20.3	<1.0	<1.0	<1.0
GM-32	11/12/2001	< 5.0	6.2	< 5.0	4.3J	< 2.5	0.79J	< 5.0	12	2.9	< 5.0	1.1J	3.0J
GM-32	9/20/2002	< 10	9.7J	< 10	< 10	< 5	< 10	< 10	< 10	< 5	< 10	< 10	< 10
GM-32	10/1/2003	< 2 U	5.5	< 2 U	1.5 J	< 1 U	< 2 U	< 2 U	< 2 U	1	< 2 U	< 2 U	< 2 U
GM-32	9/14/2004	< 10 U	3 J	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U

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Table A-1. Groundwater Analytical Results for the Upper Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

		VOCs											
Well	**Date**	**1,1,1-TCA**	**1,1-DCA**	**1,1-DCE**	**Benzene**	**cis-1,2-DCE**	**Ethyl-benzene**	**PCE**	**Toluene**	**trans-1,2-DCE**	**TCE**	**Vinyl Chloride**	**Xylenes**
GM-32	10/19/2005	< 10 U	4.9 J	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U
GM-32	9/19/2006	< 10 U	3.7 J	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U
GM-32	9/18/2007	< 5 U	4.3 J	< 5 U	1.6 J	< 5 U	< 5 U	< 5 U	< 5 U	1 J	< 5 U	< 5 U	3.4 J
GM-22	9/1/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.6	<1.0	<1.0	4.0	<1.0	<1.0
GM-22	9/21/2000	<1.0	2.4	<1.0	<1.0	1.9	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0
GM-22	11/13/2001	4.4	6.8	0.58J	< 1.0	8.5	< 1.0	4.9	< 1.0	0.17J	7.5	0.60J	< 1.0
GM-22	9/25/2002	0.93J	< 2	< 2	< 2	< 1	< 2	2.3	< 2	< 1	7.6	< 2	< 2
GM-22	9/24/2003	1.2	1	< 1 U	< 1 U	0.45 J	< 1 U	2.9	< 1 U	< 0.5 U	7.6	< 1 U	< 1 U
GM-22	9/14/2004	1.7	2.1	< 1 U	< 1 U	0.9	< 1 U	2.9	< 1 U	< 0.5 U	10	< 1 U	< 1 U
GM-22	10/17/2005	0.96 J	1.0	< 1.0 U	< 1.0 U	0.36 J	< 1.0 U	3.6	< 1.0 U	< 1.0 U	4.7	< 1.0 U	< 2.0 U
GM-22	9/20/2006	0.47 J	1.1	< 1 U	< 1 U	0.28 J	< 1 U	3.2	< 1 U	< 1 U	3	< 1 U	< 2 U
GM-22	9/26/2007	0.66 J	0.72 J	< 1 U	< 1 U	0.24 J	< 1 U	3.3	< 1 U	< 1 U	3.3	< 1 U	< 2 U
GM-21	9/22/1999	53.1	9.0	3.9	<1.0	66.4	<1.0	<1.0	<1.0	7.8	28.7	<1.0	<1.0
GM-21	9/22/2000	15.7	5.6	1.6	<1.0	38.7	<1.0	<1.0	<1.0	12.9	189	<1.0	<1.0
GM-21	11/13/2001	6.9	3.8J	< 5.0	< 5.0	39	< 5.0	< 5.0	< 5.0	15	160	< 5.0	< 5.0
GM-21	9/25/2002	31	5J	2.6J	< 6.7	43	< 6.7	< 6.7	< 6.7	5.1	230	< 6.7	< 6.7
GM-21	9/24/2003	31	6.9 J	2 J	< 8 U	100	< 8 U	< 8 U	< 8 U	2.9 J	200	< 8 U	< 8 U
GM-21	9/14/2004	26	4.2 J	3.1 J	< 9.1 U	56	< 9.1 U	< 9.1 U	< 9.1 U	7.9	180	< 9.1 U	< 9.1 U
GM-21	10/17/2005	4.3	3.4	< 1.0 U	< 1.0 U	20	< 1.0 U	< 1.0 U	< 1.0 U	22	1.8	13	< 2.0 U
GM-21	9/20/2006	12	8.6	0.19 J	< 1 U	14	< 1 U	< 1 U	< 1 U	4.3	5.9	9.3	< 2 U
GM-21	9/26/2007	8.5	18	<1.4 U	<1.4 U	26	<1.4 U	<1.4 U	<1.4 U	2.5	2.8	12	< 2.9 U
GM-8	9/20/1999	1.9	30.2	<1.0	3.4	26.2	20.7	14.8	<1.0	12.0	30.4	8.4	2.3
GM-8	9/26/2000	<1.0	36.5	<1.0	1.1	1.5	12.5	<1.0	<1.0	5.4	6.6	2.4	1.9
GM-8	11/9/2001	0.40J	40	< 1.0	0.78J	2.0	0.40J	< 1.0	< 1.0	3.6	4.4	1.9	0.39J
GM-8	9/20/2002	< 2	63	< 2	5.5	5.5	7.5	< 2	1.8J	9	< 2	5.8	1.5J
GM-8	10/1/2003	< 2 U	48	< 2 U	5.4	< 1 U	11	< 2 U	< 2 U	4.4	< 2 U	< 2 U	< 2 U
GM-8	9/14/2004	< 1 U	15	< 1 U	4.2	< 0.5 U	19	< 1 U	< 1 U	1.1	< 1 U	0.48 J	1.1
GM-8	10/19/2005	< 1.0 U	16	< 1.0 U	3.5	0.24 J	29	< 1.0 U	0.39 J	0.99 J	< 1.0 U	0.73 J	< 2.0 U
GM-8	9/19/2006	< 5 U	18	< 5 U	2.1 J	2.1 J	< 5 U	< 5 U	< 5 U	1 J	< 5 U	3.2 J	< 10 U
GM-8	9/18/2007	< 2 U	9.1	< 2 U	2.4	< 2 U	1.7 J	< 2 U	< 2 U	0.9 J	< 2 U	< 2 U	0.9 J

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Table A-1. Groundwater Analytical Results for the Upper Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

		VOCs											
Well	**Date**	**1,1,1-TCA**	**1,1-DCA**	**1,1-DCE**	**Benzene**	**cis-1,2-DCE**	**Ethyl-benzene**	**PCE**	**Toluene**	**trans-1,2-DCE**	**TCE**	**Vinyl Chloride**	**Xylenes**
GM-6	9/20/1999	24.6	33.2	1.2	<1.0	52.9	<10	81.4	<1.0	2.0	78.2	1.6	<10
GM-6	9/26/2000	12.1	13.0	<1.0	<1.0	41.0	<1.0	51.5	<1.0	2.2	56.6	3.7	<1.0
GM-6	11/9/2001	3.9	14	< 2.0	< 2.0	8.2	< 2.0	14	< 2.0	1.8	48	1.9J	< 2.0
GM-6	9/20/2002	1.4J	60	< 2	2.2	43	< 2	14	< 2	8.6	33	12	< 2
GM-6	10/2/2003	0.19 J	20	< 1 U	1	13	0.22 J	11	< 1 U	2.5	23	3.3	< 1 U
GM-6	9/14/2004	< 1 U	18	< 1 U	1.7	10	< 1 U	2.6	< 1 U	1.9	5.7	3	< 1 U
GM-6	10/19/2005	< 1.0 U	21	< 1.0 U	0.49 J	20	< 1.0 U	0.34 J	< 1.0 U	2.1	1.4	11	< 2.0 U
GM-6	9/19/2006	< 1 U	16	< 1 U	< 1 U	18	< 1 U	< 1 U	< 1 U	1.6	0.35 J	7.3	< 2 U
GM-6	9/18/2007	< 1 U	26	< 1 U	0.42 J	16	< 1 U	< 1 U	< 1 U	2.6	0.34 J	6.7	< 2 U
Downgradient of the Site													
TW-2	9/26/2000	4.5	27.8	<1.0	<1.0	22.5	10.4	5.0	<1.0	2.9	43.1	5.9	3.2
TW-2	11/9/2001	3.9	20	< 2.0	< 2.0	8.8	0.38J	8.5	< 2.0	2.4	48	2.7	< 2.0
TW-2	9/20/2002	2.2	9	< 2	< 2	26	< 2	5.9	< 2	1.4	70	2.5	< 2
TW-2	10/2/2003	0.66 J	5.7	< 1 U	1.5	8.3	0.86 J	4.7	< 1 U	0.59	24	1.4	< 1 U
TW-2	9/14/2004	< 1 U	22	< 1 U	2.9	5.5	< 1 U	< 1 U	< 1 U	2	1.5	2.5	< 1 U
TW-2	10/20/2005	< 1.0 U	12	< 1.0 U	2.5	5.3	12	< 1.0 U	3.4	1.4	< 1.0 U	4.4	5.0
TW-2	9/19/2006	0.55 J	3.4	< 1 U	< 1 U	11	< 1 U	7	< 1 U	0.38 J	32	0.27 J	< 2 U
TW-2	9/18/2007	< 1 U	1.7	< 1 U	0.81 J	7.9	< 1 U	1.9	< 1 U	0.25 J	24	0.97 J	< 2 U
4S	9/20/1999	<1.0	1.6	<1.0	1.6	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<10
4S	10/2/2003	< 2 U	7	< 2 U	1.6 J	< 1 U	1.7 J	< 2 U	< 2 U	1.7	< 2 U	< 2 U	< 2 U
4S	9/14/2004	< 5 U	7.5	< 5 U	4.5 J	< 2.5 U	4.7 J	< 5 U	1.1 J	< 2.5 U	< 5 U	< 5 U	2.4 J
4S	10/19/2005	< 4.0 U	2.3 J	< 4.0 U	1.6 J	< 4.0 U	1.6 J	< 4.0 U	< 4.0 U	0.95 J	< 4.0 U	< 4.0 U	< 8.0 U
4S	9/20/2006	< 1 U	5.6	< 1 U	0.7 J	0.25 J	0.52 J	< 1 U	< 1 U	0.75 J	< 1 U	< 1 U	< 2 U
GM-2	9/20/1999	5.5	1.4	<1.0	<1.0	8.4	<10	6.0	<1.0	<1.0	61.6	<1.0	<10
GM-2	9/25/2000	5.7	3.7	<1.0	<1.0	39.2	<1.0	7.7	<1.0	1.3	82.8	1.7	<1.0
GM-2	11/9/2001	6.1	6.1	< 3.3	< 3.3	26	< 3.3	8.4	< 3.3	1.1J	65	< 3.3	< 3.3
GM-2	9/20/2002	0.75J	3.4	< 1	< 1	7.6	< 1	8.7	< 1	0.37J	26	< 1	< 1
GM-2	10/2/2003	0.21 J	1.7	< 1 U	< 1 U	4.7	0.21 J	5.7	< 1 U	< 0.5 U	13	0.46 J	< 1 U
GM-2	9/14/2004	< 1 U	1.6	< 1 U	< 1 U	5.6	< 1 U	4	< 1 U	0.23 J	6.2	< 1 U	< 1 U
GM-2	10/19/2005	< 1.0 U	2.0	< 1.0 U	< 1.0 U	6.8	< 1.0 U	3.6	< 1.0 U	0.26 J	4.6	0.24 J	< 2.0 U
GM-2	9/20/2006	< 1 U	2.1	< 1 U	< 1 U	7.7	< 1 U	2.6	< 1 U	0.34 J	5.1	0.61 J	< 2 U
GM-2	9/18/2007	< 1 U	1.4	< 1 U	< 1 U	4.9	< 1 U	1.6	< 1 U	0.28 J	2.3	1.1	< 2 U
GM-16	9/21/1999	2.2	<1.0	<1.0	<1.0	1.7	<1.0	44.1	<1.0	<1.0	8.5	<1.0	<1.0
GM-16	9/26/2000	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	16.2	<1.0	<1.0	3.5	<1.0	<1.0
GM-16	11/8/2001	2.2	0.31J	< 1.0	< 1.0	0.39J	< 1.0	17	< 1.0	< 0.50	3.6	< 1.0	< 1.0
GM-16	9/24/2002	1.4J	4.1	< 2	< 2	6.2	< 2	63	< 2	1.6	28	< 2	< 2
GM-16	9/22/2003	1.9 J	2.8 J	< 4 U	< 4 U	5.8	< 4 U	110	< 4 U	1.1 J	57	< 4 U	< 4 U

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Table A-1. Groundwater Analytical Results for the Upper Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

		VOCs											
Well	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	Benzene	cis-1,2-DCE	Ethyl-benzene	PCE	Toluene	trans-1,2-DCE	TCE	Vinyl Chloride	Xylenes
GM-16	9/16/2004	3.1 J	4.3	< 3.3 U	< 3.3 U	7.4	< 3.3 U	130	< 3.3 U	1 J	90	< 3.3 U	< 3.3 U
GM-16	10/19/2005	1.7 J	1.1 J	< 3.3 U	< 3.3 U	2.8 J	< 3.3 U	100	< 3.3 U	0.90 J	55	< 3.3 U	< 6.7 U
GM-16	9/18/2006	2.1	1.1 J	< 1.4 U	< 1.4 U	3.8	< 1.4 U	98	< 1.4 U	1 J	51	< 1.4 U	< 2.9 U
GM-16	9/25/2007	1.4 J	1.5 J	< 4 U	< 4 UJ	43	< 4 U	94	< 4 U	1.3 J	52	< 4 U	< 8 U
GM-17	9/21/1999	6.4	26.4	<1.0	<1.0	30.0	<1.0	<1.0	<1.0	2.6	28.7	1.4	<1.0
GM-17	9/27/2000	6.7	23.9	<1.0	<1.0	41.6	<1.0	24.6	<1.0	2.5	48.4	<1.0	<1.0
GM-17	11/8/2001	6.8	7.3	< 3.3	< 3.3	16	< 3.3	48	< 3.3	1.8	79	< 3.3	< 3.3
GM-17	9/19/2002	2.3	6.0	< 1.2	< 1.2	13	< 1.2	22	< 1.2	0.67	39	0.79J	< 1.2
GM-17	9/24/2003	1.3	1.2	< 1 U	< 1 U	2.9	< 1 U	12	< 1 U	< 0.5 U	24	< 1 U	< 1 U
GM-17	9/15/2004	1.1	4	< 1 U	< 1 U	11	< 1 U	3.6	< 1 U	0.64	22	0.49 J	< 1 U
GM-17	10/20/2005	1.4	5.5	< 1.0 U	< 1.0 U	9.0	< 1.0 U	8.1	< 1.0 U	0.57 J	29	2.0	< 2.0 U
GM-17	9/27/2006	0.46 J	3.2	< 1 U	< 1 U	9.5	< 1 U	11	< 1 U	0.49 J	24	0.54 J	< 2 U
GM-17	9/18/2007	0.31 J	1.5	< 1 U	< 1 U	4	< 1 U	7.3	< 1 U	0.22 J	15	< 1 U	< 2 U
GM-18	9/22/1999	42.6	22.6	1.3	<1.0	35.3	<1.0	4.9	<1.0	2.2	131	<1.0	<1.0
GM-18	9/27/2000	31.8	10.4	<1.0	<1.0	23.9	<1.0	7.8	<1.0	1.8	115	<1.0	<1.0
GM-18	11/8/2001	23	3.3	1.3J	< 3.3	14	< 3.3	12	< 3.3	1.6J	93	< 3.3	< 3.3
GM-18	9/19/2002	18	6.0	< 3.3	< 3.3	15	< 3.3	28	< 3.3	1.6J	98	< 3.3	< 3.3
GM-18	9/22/2003	10	3.7	< 2 U	< 2 U	8.8	< 2 U	24	< 2 U	< 1 U	77	0.75 J	< 2 U
GM-18	9/15/2004	5.2	2.2	0.46 J	< 2 U	5.9	< 2 U	20	< 2 U	< 1 U	53	< 2 U	< 2 U
GM-18	10/20/2005	7.0	15	0.30 J	< 1.0 U	14	< 1.0 U	21	< 1.0 U	1.2	70 J	3.0	< 2.0 U
GM-18	9/27/2006	6.2	17	< 2.9 U	< 2.9 U	21	< 2.9 U	15	< 2.9 U	2 J	72	2.5 J	< 5.7 U
GM-18	9/19/2007	5.4	13	< 2.5 U	< 2.5 U	19	< 2.5 U	14	< 2.5 U	1.2 J	64	1.1 J	< 5 U
WSU-24	9/23/1999	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	17.0	<1.0	<1.0
WSU-24	9/26/2000	2.1	<1.0	<1.0	<1.0	2.7	<1.0	1.2.	<1.0	<1.0	16.8	<1.0	<1.0
WSU-24	11/9/2001	2.4	0.81J	< 1.0	< 1.0	4.0	< 1.0	1.6	< 1.0	< 0.50	18	< 1.0	< 1.0
WSU-24	9/24/2002	1.4	< 1	< 1	< 1	< 0.5	< 1	1.2	< 1	< 0.5	13	< 1	< 1
WSU-24	9/22/2003	0.67 J	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	1	< 1 U	< 0.5 U	7.9	< 1 U	< 1 U
WSU-24	9/16/2004	0.58 J	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	1.3	< 1 U	< 0.5 U	8	< 1 U	< 1 U
WSU-24	10/20/2005	1.5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	1.2	< 1.0 U	< 1.0 U	11	< 1.0 U	< 2.0 U
WSU-24	9/26/2006	0.65 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.81 J	< 1 U	< 1 U	10	< 1 U	< 2 U
WSU-24	9/19/2007	0.66 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.89 J	< 1 U	< 1 U	7.9	< 1 U	< 2 U
GM-10	9/21/1999	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	14.8	<1.0	<1.0
GM-10	9/27/2000	2.5	1.4	<1.0	<1.0	5.7	<1.0	1.4	<1.0	<1.0	23.2	<1.0	<1.0
GM-10	11/8/2001	2.7	3.4	< 1.0	< 1.0	16	< 1.0	1.9	< 1.0	0.93	27	1.2	< 1.0
GM-10	9/18/2002	1.8	0.61J	< 1.0	< 1.0	2.3	< 1.0	1.1	< 1.0	< 0.50	19	< 1.0	< 1.0
GM-10	9/24/2003	0.96 J	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	2.2	< 1 U	< 0.5 U	33	< 1 U	< 1 U
GM-10	9/14/2004	1.2	< 1 U	< 1 U	< 1 U	0.38 J	< 1 U	1.5	< 1 U	< 0.5 U	15	< 1 U	< 1 U

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Table A-1. Groundwater Analytical Results for the Upper Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

		VOCs											
Well	**Date**	**1,1,1-TCA**	**1,1-DCA**	**1,1-DCE**	**Benzene**	**cis-1,2-DCE**	**Ethyl-benzene**	**PCE**	**Toluene**	**trans-1,2-DCE**	**TCE**	**Vinyl Chloride**	**Xylenes**
GM-10	10/20/2005	1.6	< 1.0 U	< 1.0 U	< 1.0 U	0.31 J	< 1.0 U	1.2	< 1.0 U	< 1.0 U	12	< 1.0 U	< 2.0 U
GM-10	9/27/2006	0.9 J	0.29 J	< 1 U	< 1 U	0.77 J	< 1 U	0.98 J	< 1 U	< 1 U	11	< 1 U	< 2 U
GM-10	9/19/2007	0.75 J	< 1 U	< 1 U	< 1 U	0.35 J	< 1 U	0.93 J	< 1 U	< 1 U	8.8	< 1 U	< 2 U
GM-26	9/22/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GM-26	9/27/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GM-26	11/12/2001	0.19J	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	1.1	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0
GM-26	9/25/2002	< 1	< 1	< 1	< 1	< 0.5	< 1	0.92J	< 1	< 0.5	< 1	< 1	< 1
GM-26	10/1/2003	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	0.85 J	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U
GM-26	9/16/2004	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	1.3	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U
GM-26	10/20/2005	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	1.0	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U
GM-26	9/21/2006	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.91 J	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
GM-26	9/27/2007	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	1.2	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
GM-47	9/25/2007	2.2 J	2.4 J	< 7.1 U	< 7.1 U	170	< 7.1 U	71	< 7.1 U	4.6 J	53	< 7.1 U	< 14 U
GM-50	9/25/2007	1.4 J	1.9 J	< 5.9 U	< 5.9 U	130	< 5.9 U	100	< 5.9 U	2.5 J	44	< 5.9 U	< 12 U
GM-51	9/27/2007	0.61 J	0.23 J	< 1 U	< 1 U	1	< 1 U	7.2	0.29 J	< 1 U	3.9	< 1 U	< 2 U
GM-52	9/26/2007	1.3 J	1.5 J	< 2.5 U	< 2.5 U	18	< 2.5 U	88	< 2.5 U	1 J	47	< 2.5 U	< 5 U
GM-63	9/25/2007	2.7 J	1.8 J	< 6.7 U	< 6.7 U	5 J	< 6.7 U	130	< 6.7 U	< 6.7 U	120	< 6.7 U	< 13 U
GM-64	9/25/2007	< 3.3 U	2.7 J	< 3.3 U	< 3.3 U	74	< 3.3 U	11	< 3.3 U	6.6	4.5	18	< 6.7 U

All concentrations presented in ug/l.
1,1-DCA - 1,1-Dichloroethane.
1,1-DCE - 1,1-Dichloroethene.
cis-1,2-DCE - cis-1,1-Dichloroethene.
trans-1,2-DCE - trans-1,2-Dichloroethene.
PCE - Tetrachloroethene.
1,1,1-TCA - 1,1,1-Trichloroethane.
TCE - Trichloroethene.
VOCs - Volatile Organic Compounds.

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Table A-2. Groundwater Analytical Results for the Lower Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

Well	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	Benzene	cis-1,2-DCE	VOCs Ethyl-benzene	PCE	Toluene	trans-1,2-DCE	TCE	Vinyl Chloride	Xylenes
Upgradient of the Site													
HR-10	9/15/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
HR-10	9/29/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
HR-10	11/14/2001	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0
HR-10	9/27/2002	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
HR-10	9/17/2003	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U
HR-10	9/20/2004	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U
HR-10	10/24/2005	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U
HR-10	9/26/2006	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
HR-10	9/25/2007	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
HR-12	9/14/1999	<1.0UJ	2.7	<1.0	1.2	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0
HR-12	9/28/2000	<1.0	2.2	<1.0	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.5	<1.0
HR-12	11/14/2001	< 1.0	3.6	< 1.0	< 1.0	2.7	< 1.0	< 1.0	< 1.0	0.23	< 1.0	3.8	< 1.0
HR-12	9/26/2002	< 1	2.4	< 1	< 1	2.1	< 1	< 1	< 1	< 0.5	< 1	1.7	< 1
HR-12	9/18/2003	< 1 U	1.7	< 1 U	< 1 U	1.4	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	1.6	< 1 U
HR-12	9/21/2004	< 1 U	1.8	< 1 U	< 1 U	1.2	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	1.1	< 1 U
HR-12	10/24/2005	< 1.0 U	2.1	< 1.0 U	< 1.0 U	1.5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.36 J	< 2.0 U
HR-12	9/26/2006	< 1 U	2.1	< 1 U	< 1 U	1.3	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
HR-12	9/19/2007	< 1 U	2.2	< 1 U	< 1 U	1.3	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
On-Site													
HR-14	9/15/1999	<1.0	<1.0	<1.0	<1.0	7.9	<1.0	<1.0	<1.0	<1.0	3.4	11.5	<1.0
HR-14	9/30/2002	< 1	< 1	< 1	< 1	3.6	< 1	< 1	< 1	< 0.5	1.2	< 1	< 1
HR-15	9/15/1999	<1.0	<1.0	<1.0	<1.0	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	11.0	<1.0
HR-15	9/29/2000	<1.0	<1.0	<1.0	<1.0	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	11.2	<1.0
HR-15	11/14/2001	< 1.0	< 1.0	< 1.0	< 1.0	0.86	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0
HR-15	9/30/2002	< 1	< 1UJ	< 1	< 1	1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
HR-15	9/17/2003	< 1 U	< 1 U	< 1 U	< 1 U	2.2	< 1 U	< 1 U	< 1 U	< 0.5 U	0.29 J	14	< 1 U
HR-15	9/21/2004	< 1 U	< 1 U	< 1 U	< 1 U	2.5	< 1 U	< 1 U	< 1 U	< 0.5 U	0.38 J	19	< 1 U
HR-15	10/25/2005	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	2.2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.40 J	14	< 2.0 U
HR-15	9/25/2006	< 1 U	< 1 U	< 1 U	< 1 U	2.2	< 1 U	< 1 U	< 1 U	< 1 U	0.5 J	13	< 2 U
HR-15	9/26/2007	< 1 U	< 1 U	< 1 U	< 1 U	2.5	< 1 U	< 1 U	< 1 U	< 1 U	0.37 J	15	< 2 U
HR-13	9/15/1999	1.6	41.4	<1.0	<1.0	20.8	<1.0	<1.0	<1.0	3.1	3.4	<1.0	<1.0
HR-13	9/29/2000	1.7	39.5	<1.0	<1.0	14.1	<1.0	<1.0	<1.0	2.5	2.0	<1.0	<1.0
HR-13	11/14/2001	0.74J	15	< 1.0	0.18J	6.5	< 1.0	< 1.0	< 1.0	0.65	1.2	< 1.0	< 1.0
HR-13	9/30/2002	1.4	25	< 1	< 1	11	< 1	< 1	< 1	1.4	3.6	< 1	< 1
HR-13	9/16/2003	2.2	33	< 1 U	< 1 U	12	< 1 U	< 1 U	< 1 U	1.8	5.7	< 1 U	< 1 U
HR-13	9/21/2004	2.6	30	0.27 J	< 1 U	12	< 1 U	< 1 U	< 1 U	1.5	21	0.43 J	< 1 U
HR-13	10/25/2005	2.3	25	0.25 J	< 1.0 U	11	< 1.0 U	0.20 J	< 1.0 U	1.5	20	< 1.0 U	< 2.0 U
HR-13	9/25/2006	2	22	0.18 J	< 1 U	9	< 1 U	0.2 J	< 1 U	1.4	15	< 1 U	< 2 U

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Table A-2. Groundwater Analytical Results for the Lower Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

Well	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	Benzene	cis-1,2-DCE	VOCs Ethyl-benzene	PCE	Toluene	trans-1,2-DCE	TCE	Vinyl Chloride	Xylenes
HR-13	9/25/2007	< 1 U	1.5	< 1 U	< 1 U	1.1	< 1 U	< 1 U	< 1 U	< 1 U	5.1	< 1 U	< 2 U
31	9/29/2000	<1.0	7.4	<1.0	<1.0	8.4	<1.0	<1.0	<1.0	<1.0	12.9	4.4	<1.0
31	11/15/2001	< 1.0	3.1	< 1.0	< 1.0	2.4	< 1.0	< 1.0	< 1.0	< 0.50	5.1	2.5	< 1.0
39	9/27/2002	< 1	1.6	< 1	< 1	1.3	< 1	< 1	< 1	< 0.5	3.8	0.51J	< 1
39	9/24/2003	< 1 U	0.58 J	< 1 U	< 1 U	0.71	< 1 U	< 1 U	< 1 U	< 0.5 U	0.89 J	< 1 U	< 1 U
GM-39	12/10/2003	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	0.18 J	< 0.5 U	< 1 U	1.3	< 1 U
GM-39	9/20/2004	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	1.8	< 1 U
GM-39	10/24/2005	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.77 J	< 2.0 U
GM-39	9/27/2006	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	1.7	< 2 U
GM-39	9/26/2007	< 1 U	< 1 U	< 1 U	< 1 U	19 J	< 1 U	< 1 U	< 1 U	0.23 J	< 1 U	1.6	< 2 U
GM-40	12/10/2003	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	3.1	< 1 U
GM-40	9/20/2004	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	3.2	< 1 U
GM-40	10/25/2005	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	2.9	< 2.0 U
GM-40	9/26/2006	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	3.9	< 2 U
GM-40	9/25/2007	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	4	< 2 U
GM-61	9/26/2007	0.59 J	1.6 J	< 1.7 U	< 1.7 U	3.9	< 1.7 U	28	< 1.7 U	< 1.7 U	56	< 1.7 U	< 3.3 U
GM-41	12/10/2003	< 11 U	< 11 U	< 11 U	< 1 U	10	< 11 U	< 11 U	< 11 U	< 5.6 U	320	< 11 U	< 11 U
GM-41	9/21/2004	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	24	< 6.2 U	< 6.2 U	< 6.2 U	< 3.1 U	180	< 6.2 U	< 6.2 U
GM-41	10/24/2005	< 10 U	< 10 U	< 10 U	< 10 U	16	< 10 U	< 10 U	< 10 U	< 10 U	250	< 10 U	< 20 U
GM-41	9/18/2006	< 4 U	< 4 U	< 4 U	< 4 U	11	< 4 U	< 4 U	< 4 U	< 4 U	210	< 4 U	< 8 U
GM-41	9/20/2007	< 6.7 U	< 6.7 U	< 6.7 U	< 6.7 U	17	< 6.7 U	< 6.7 U	< 6.7 U	1.4 J	230	1.9 J	< 13 U
GM-58	9/20/2007	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	69	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	< 6.7 U
GM-54	9/20/2007	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	150	< 5 U	< 5 U	2.4 J	< 5 U	< 10 U
GM-42	12/9/2003	< 1 U	0.46 J	< 1 U	< 1 U	11	< 1 U	0.27 J	< 1 U	0.34 J	0.37 J	1	< 1 U
GM-42	9/20/2004	< 1 U	0.7 J	0.25 J	< 1 U	16	< 1 U	< 1 U	< 1 U	0.44 J	0.43 J	0.92 J	< 1 U
GM-42	10/25/2005	< 1.0 U	0.64 J	0.21 J	< 1.0 U	17	< 1.0 U	0.19 J	< 1.0 U	0.59 J	0.85 J	0.56 J	< 2.0 U
GM-42	9/26/2006	< 1 U	0.5 J	< 1 U	< 1 U	14	< 1 U	< 1 U	< 1 U	0.44 J	0.64 J	0.45 J	< 2 U
GM-42	9/25/2007	< 1 U	0.67 J	< 1 U	< 1 U	18	< 1 U	< 1 U	0.18 J	0.69 J	2.2	0.44 J	< 2 U
GM-19D	9/28/1999	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	13.5	1.5	<1.0
GM-19D	10/2/2000	<1.0	<1.0	<1.0	<1.0	3.5	<1.0	<1.0	<1.0	<1.0	2.9	15.7	<1.0
GM-19D	11/14/2001	0.18J	< 1.0	< 1.0	< 1.0	0.92	< 1.0	< 1.0	0.38J	< 0.50	3.7	13	< 1.0
GM-19D	9/26/2002	< 1	< 1	< 1	< 1	0.81	< 1	< 1	< 1	< 0.5	3.1	0.36J	< 1
GM-19D	9/25/2003	< 1 U	< 1 U	< 1 U	< 1 U	1.8	< 1 U	< 1 U	< 1 U	< 0.5 U	0.24 J	17	< 1 U
GM-19D	9/20/2004	0.31 J	< 1 U	< 1 U	< 1 U	2	< 1 U	< 1 U	< 1 U	< 0.5 U	3.5	18	< 1 U
GM-19D	10/25/2005	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	2.7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	1.2	15	< 2.0 U
GM-19D	9/26/2006	< 1 U	< 1 U	< 1 U	< 1 U	2	< 1 U	< 1 U	< 1 U	< 1 U	1.4	18	< 2 U
GM-19D	9/17/2007	0.25 J	< 1 U	< 1 U	< 1 U	1.4	< 1 U	< 1 U	< 1 U	< 1 U	3.2	16	< 2 U
GM-7R	9/28/1999	4.2	<1.0	<1.0	<1.0	2.1	<1.0	<1.0	<1.0	<1.0	76.1	<1.0	<1.0

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Table A-2. Groundwater Analytical Results for the Lower Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

Well	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	Benzene	cis-1,2-DCE	VOCs Ethyl-benzene	PCE	Toluene	trans-1,2-DCE	TCE	Vinyl Chloride	Xylenes
Downgradient of the Site													
GM-3	9/28/1999	1.7	<1.0	<1.0	<1.0	1.1	<1.0	1.2	<1.0	<1.0	7.5	<1.0	<1.0
GM-3	10/2/2000	1.0	2.1	<1.0	<1.0	8.3	<1.0	1.5	<1.0	1.1	9.4	<1.0	<1.0
GM-3	11/14/2001	0.16J	0.95J	< 1.0	< 1.0	2.6	< 1.0	0.48J	< 1.0	0.25J	2.9	< 1.0	< 1.0
GM-3	10/1/2002	0.74J	1.8	< 1	< 1	8.9	< 1	1.4	< 1	1.2	9.5	0.63J	< 1
GM-3	10/2/2003	0.96 J	1.6	< 1 U	< 1 U	5.5	0.26 J	1.7	< 1 U	0.77	12	< 1 U	< 1 U
GM-3	9/21/2004	1	1.8	< 1 U	< 1 U	4.9	< 1 U	2	< 1 U	0.75	13	< 1 U	< 1 U
GM-3	10/25/2005	0.83 J	1.6	< 1.0 U	< 1.0 U	4.7	< 1.0 U	2.0	< 1.0 U	0.66 J	14	< 1.0 U	< 2.0 U
GM-3	9/22/2006	0.59 J	2 J	< 1 UJ	< 1 UJ	6.1 J	< 1 UJ	2.1 J	< 1 UJ	1 J	13 J	0.27 J	< 2 UJ
GM-3	9/18/2007	0.67 J	1.5	< 1 U	< 1 U	3.8	< 1 U	1.9	< 1 U	0.77 J	14	< 1 U	< 2 U
GM-4	9/28/1999	<1.0	<1.0	<1.0	<1.0	2.3	<1.0	<1.0	<1.0	<1.0	13.4	<1.0	<1.0
GM-5	9/28/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.9	<1.0	1.3	<1.0	<1.0
GM-1	9/28/1999	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	5.2	<1.0	30.6	<1.0	<1.0
GM-1	10/2/2000	2.2	<1.0	<1.0	<1.0	<1.0	<1.0	2.8	<1.0	<1.0	37.2	<1.0	<1.0
GM-1	11/14/2001	0.80J	0.29J	< 1.0	< 1.0	< 0.50	< 1.0	1.3	< 1.0	< 0.50	19	< 1.0	< 1.0
GM-1	10/1/2002	1.3 J	0.48 J	< 1.4 U	< 1.4 U	0.95	< 1.4 U	2.3	< 1.4 U	< 0.72 U	39	< 1.4 U	< 1.4 U
GM-1	10/2/2003	1.2	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	2	< 1 U	< 0.5 U	34	< 1 U	< 1 U
GM-1	9/21/2004	1.2	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	2.1	< 1 U	< 0.5 U	35	< 1 U	< 1 U
GM-1	10/25/2005	0.95 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	2.1	< 1.0 U	< 1.0 U	34	< 1.0 U	< 2.0 U
GM-1	9/20/2006	0.76 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	2.1	< 1 U	< 1 U	34	< 1 U	< 2 U
GM-1	9/18/2007	0.74 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	1.8	< 1 U	< 1 U	32	< 1 U	< 2 U
GM-15	9/24/1999	<1.0	2.4	<1.0	<1.0	4.3	<1.0	<1.0	<1.0	<1.0	4.1	<1.0	<1.0
GM-15	10/2/2000	<1.0	2.3	<1.0	<1.0	2.6	<1.0	<1.0	<1.0	<1.0	4.7	<1.0	<1.0
GM-15	11/14/2001	< 1.0	1.4	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0	< 0.50	4.9	< 1.0	< 1.0
GM-15	9/27/2002	< 1	1.6	< 1	< 1	1.8	< 1	< 1	< 1	< 0.5	4.7	< 1	< 1
GM-15	9/22/2003	< 1 U	1.7	< 1 U	< 1 U	1.6	< 1 U	< 1 U	< 1 U	< 0.5 U	5.9	< 1 U	< 1 U
GM-15	9/20/2004	< 1 U	1.8	< 1 U	< 1 U	1.4	< 1 U	< 1 U	< 1 U	< 0.5 U	5.8	< 1 U	< 1 U
GM-15	10/26/2005	< 1.0 U	1.7	< 1.0 U	< 1.0 U	1.7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	5.9	< 1.0 U	< 2.0 U
GM-15	9/18/2006	< 1 U	1.6	< 1 U	< 1 U	1.2	< 1 U	< 1 U	< 1 U	< 1 U	6.3	< 1 U	< 2 U
GM-15	9/25/2007	< 1 U	1.5	< 1 U	< 1 U	1.1	< 1 U	< 1 U	< 1 U	< 1 U	5.1	< 1 U	< 2 U
GM-14	9/24/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GM-13	9/24/1999	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	3.6	<1.0	<1.0	31.0	<1.0	<1.0
GM-11	9/24/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	14.5	<1.0	<1.0
GM-11	10/2/2000	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	3.0	<1.0	<1.0	41.3	<1.0	<1.0
GM-11	11/14/2001	0.33J	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	1.0	< 1.0	< 0.50	12	< 1.0	< 1.0
GM-11	10/1/2002	1	0.34J	< 1	< 1	0.62	< 1	2.2	< 1	< 0.5	35	< 1	< 1
GM-11	9/24/2003	0.96 J	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	2.2	< 1 U	< 0.5 U	33	< 1 U	< 1 U
GM-11	9/21/2004	0.89 J	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	2.1	< 1 U	< 0.5 U	33	< 1 U	< 1 U

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Table A-2. Groundwater Analytical Results for the Lower Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

Well	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	Benzene	cis-1,2-DCE	VOCs Ethyl-benzene	PCE	Toluene	trans-1,2-DCE	TCE	Vinyl Chloride	Xylenes
GM-11	10/26/2005	0.75 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	1.7	< 1.0 U	< 1.0 U	32	< 1.0 U	< 2.0 U
GM-11	9/25/2006	0.75 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	2	< 1 U	< 1 U	34	< 1 U	< 2 U
GM-11	9/18/2007	0.6 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	1.5	< 1 U	< 1 U	35	< 1 U	< 2 U
GM-20D	9/24/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
GM-20D	10/3/2000	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	4.2	<1.0	<1.0	14.3	<1.0	<1.0
GM-20D	11/14/2001	0.64J	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	2.0	< 1.0	< 0.50	5.9	< 1.0	< 1.0
GM-20D	9/30/2002	< 1	< 1	< 1	< 1	< 0.5	< 1	1.3	< 1	< 0.5	3.8	< 1	< 1
GM-20D	9/22/2003	0.89 J	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	3.6	< 1 U	< 0.5 U	12	< 1 U	< 1 U
GM-20D	9/21/2004	0.96 J	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	2.9	< 1 U	< 0.5 U	11	< 1 U	< 1 U
GM-20D	10/26/2005	0.73 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	2.7	< 1.0 U	< 1.0 U	11	< 1.0 U	< 2.0 U
GM-20D	9/26/2006	0.51 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	2.1	< 1 U	< 1 U	11	< 1 U	< 2 U
GM-20D	9/19/2007	0.5 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	2.1	< 1 U	< 1 U	9.2	< 1 U	< 2 U
DN-13	11/14/2001	1.1	2.5	< 1.0	< 1.0	6.2	< 1.0	< 1.0	< 1.0	0.37J	5.0	1.2	< 1.0
DN-13	9/27/2002	1.1	2.5	< 1	< 1	7.3	< 1	< 1	< 1	0.48J	6.1	1.3	< 1
DN-13	9/22/2003	1.1	2.4	< 1 U	< 1 U	6.8	< 1 U	0.31 J	< 1 U	0.4 J	6.4	1.1	< 1 U
DN-13	9/16/2004	0.84 J	2.2	< 1 U	< 1 U	6.7	< 1 U	0.44 J	< 1 U	0.49 J	6.8	2.1	< 1 U
DN-13	10/20/2005	1.5	2.0	< 1.0 U	< 1.0 U	5.5	< 1.0 U	0.38 J	< 1.0 U	< 1.0 U	7.2	2.6	< 2.0 U
DN-13	9/27/2006	0.51 J	1.5	< 1 U	< 1 U	6.1	< 1 U	0.33 J	< 1 U	0.41 J	5.7	2.3	< 2 U
DN-13	9/19/2007	0.48 J	2	< 1 U	< 1 U	6.4	< 1 U	< 1 U	< 1 U	0.4 J	3.3	2.6	< 2 U
GM-9	9/24/1999	1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	13.8	<1.0	<1.0
GM-9	10/3/2000	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	17.2	<1.0	<1.0
GM-9	11/14/2001	0.48J	0.58J	< 1.0	< 1.0	1.1	< 1.0	0.38J	< 1.0	< 0.50	8.6	< 1.0	< 1.0
GM-9	9/30/2002	0.99J	0.48J	< 1	< 1	0.66	< 1	< 1	< 1	< 0.5	16	< 1	< 1
GM-9	9/24/2003	1.3	0.45 J	< 1 U	< 1 U	0.56	< 1 U	< 1 U	< 1 U	< 0.5 U	20	< 1 U	< 1 U
GM-9	9/21/2004	1.1	0.6 J	< 1 U	< 1 U	0.97	< 1 U	< 1 U	< 1 U	< 0.5 U	16	< 1 U	< 1 U
GM-9	10/26/2005	0.85 J	0.59 J	< 1.0 U	< 1.0 U	0.99 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	15	< 1.0 U	< 2.0 U
GM-9	9/25/2006	0.44 J	0.48 J	< 1 U	< 1 U	0.85 J	< 1 U	< 1 U	< 1 U	< 1 U	6.6	< 1 U	< 2 U
GM-9	9/19/2007	1.2	0.48 J	< 1 U	< 1 U	0.71 J	< 1 U	< 1 U	< 1 U	< 1 U	18	< 1 U	< 2 U
MT-69	9/24/1999	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MT-69	10/3/2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MT-69	11/15/2001	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0
MT-69	9/30/2002	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
MT-69	10/1/2003	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U
MT-69	9/27/2004	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U

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Table A-2. Groundwater Analytical Results for the Lower Aquifer Wells from 1999-2007, General Motors Corporation, Moraine, Ohio.

		VOCs											
Well	**Date**	**1,1,1-TCA**	**1,1-DCA**	**1,1-DCE**	**Benzene**	**cis-1,2-DCE**	**Ethyl-benzene**	**PCE**	**Toluene**	**trans-1,2-DCE**	**TCE**	**Vinyl Chloride**	**Xylenes**
MT-69	10/24/2005	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U
MT-69	9/26/2006	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
MT-69	9/27/2007	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U

All concentrations presented in ug/l.
1,1-DCA - 1,1-Dichloroethane.
1,1-DCE - 1,1-Dichloroethene.
cis-1,2-DCE - cis-1,1-Dichloroethene.
trans-1,2-DCE - trans-1,2-Dichloroethene.
PCE - Tetrachloroethene.
1,1,1-TCA - 1,1,1-Trichloroethane.
TCE - Trichloroethene.
VOCs - Volatile Organic Compounds.

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Appendix B

Groundwater Sampling Data for 2008

Table B-1. Annual Groundwater Sampling Event Field Parameter Data Sheet for 2008, General Motors Corporation, Moraine, Ohio.

Well ID	Sample ID	pH (s.u.)	Temp (°C)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Purge Rate (mL/min)	Time - Start Purge	Time - End Purge	Volume Purged (gal)	Sample Date	Time - Sample	Total Depth (ft)	Sampler
Upper Aquifer Wells														
W-2-N	WG-092908-MB-035	6.93	16.17	-88.4	0.935	0.15	500	15:07	15:42	4.5	9/29/2008	15:50	63.00	MB
W-3-N	WG-092908-MB-030	6.84	16.39	-91.4	0.887	0.15	500	11:28	12:20	7.5	9/29/2008	12:30	58.90	MB
W-4-N	WG-092908-NZ-031	7.3	16.4	184	1.05	0.21	400	11:20	12:20	6	9/29/2008	12:25	67.15	NZ
W-2-S	WG-092508-MB-023	6.99	16:03	145	1.28	3.06	500	13:50	14:20	3.75	9/25/2008	14:30	68.40	MB
W-3-S	WG-092608-MB-024	6.81	14.5	169	1.13	2.41	500	7:50	8:15	3.5	9/26/2008	8:20	75.00	MB
W-4-S	WG-092608-MB-025	6.71	16.18	161	1.43	0	500	9:38	10:13	4.5	9/26/2008	10:20	71.20	MB
HR-1	WG-092908-MB-032	6.73	16.32	0.22	1.138	0.22	500	13:30	14:10	5	9/29/2008	14:20	59.40	MB
HR-2	WG-100108-NZ-052	6.8	13.9	279	0.999	0.23	400	10:20	10:55	3.75	10/1/2008	11:00	58.90	NZ
HR-3	WG-100208-NZ-064	6.9	14.6	161	1.17	0.27	400	15:55	16:35	4.5	10/2/2008	16:40	57.20	NZ
HR-4	WG-093008-NZ-041	7.26	15.9	219	0.996	0.35	400	14:10	14:55	4.75	9/30/2008	15:00	67.90	NZ
HR-5	WG-092908-NZ-033	7.29	17.25	191	1.008	0.23	400	12:55	13:45	5.5	9/29/2008	13:50	58.00	NZ
HR-9	WG-093008-MB-042	6.61	16.39	48	0.932	0.14	500	15:30	16:10	5.5	9/30/2008	16:15	69.76	MB
HR-11	WG-092508-MB-022	6.74	15.7	52	1.35	2.68	500	11:05	11:50	6.25	9/25/2008	11:55	68.90	MB
HR-17	WG-092608-NZ-027	7	15.79	326	1.106	0.3	400	9:45	10:10	3.5	9/26/2008	10:25	49.00	NZ
GM-2	WG-092408-MB-011	7.1	17.38	16	1.47	1.64	500	13:30	14:00	3.75	9/24/2008	14:10	56.90	MB
GM-6	WG-092408-MB-008	7.17	16.51	-159	2.16	1.43	500	9:57	10:22	3.125	9/24/2008	10:30	46.30	MB
GM-8	WG-092308-NZ-004	8.1	17.6	-262	2.06	0	400	14:30	14:55	2.5	9/23/2008	15:00	51.50	NZ
GM-10	WG-092408-MB-015	7.03	15.52	116	1.17	5.58	500	15:50	16:10	2.5	9/24/2008	15:20	49.48	MB
GM-16	WG-093008-NZ-046	7.1	15.89	196	1.361	0.17	400	16:50	17:30	5.5	9/30/2008	17:35	56.80	NZ
GM-17	WG-092408-NZ-012	6.81	16.57	20	1.71	0.36	300	13:40	14:20	3	9/24/2008	14:25	49.50	NZ
GM-18	WG-092408-NZ-016	6.86	16.74	22	1.61	0	300	15:40	16:20	3	9/24/2008	16:25	54.04	NZ
GM-19S	WG-092308-MB-002	7.1	16.9	-153	2.29	1.87	500	11:18	11:42	3	9/23/2008	11:50	56.20	MB
GM-21	WG-100308-NZ-068	6.05	16.5	68	1.405	0.12	400	10:15	11:10	6	10/3/2008	11:15	53.30	NZ
GM-22	WG-100308-NZ-069	6.76	16.79	174	1.28	3.15	400	11:50	12:45	6	10/3/2008	12:50	56.19	NZ
GM-23	WG-102308-NZ-083	7.74	17.12	189	1.465	0.11	400	14:25	15:00	NA	10/23/2008	15:00	31.96	NZ
GM-26	WG-100108-NZ-051	6.83	13.56	284	0.905	4.56	500	8:30	9:15	5	10/1/2008	9:20	58.34	NZ
GM-27	WG-102308-NZ-082	7.85	16.02	214	1.266	0.12	400	13:35	14:15	NA	10/23/2008	14:20	46.63	NZ
GM-28	WG-102208-NZ-078	6.49	16.38	27	1.428	0.13	400	15:55	16:55	NA	10/22/2008	17:00	36.34	nz
GM-29	WG-100608-NZ-074	7.1	16.78	-54	1.87	0.11	400	14:45	16:10	11	10/6/2008	16:15	32.61	NZ
GM-30	WG-100608-JC-073	6.53	18.13	129	2.62	0.17	400	14:38	16:40	13	10/6/2008	16:45	36.05	JC
GM-31	WG-102308-NZ-079	7.92	16.91	156	2.48	0.12	400	9:25	10:55	NA	10/23/2008	11:00	63.15	NZ
GM-32	WG-092308-MB-005	7.13	18.71	-200	3.22	1.79	400	14:38	15:03	2	9/23/2008	15:10	57.20	MB
GM-33	WG-102308-NZ-081	7.76	17.04	178	2.06	0.14	400	12:10	12:55	NA	10/23/2008	13:00	54.33	NZ
GM-35	WG-092908-NZ-034	8.77	18.07	146	6.09	0.13	400	14:05	14:55	5.5	9/29/2008	15:00	65.75	NZ
GM-47	WG-100108-MB-053	6.94	16.85	33.1	1.203	0.09	500	13:53	14:43	6.5	10/1/2008	14:50	59.40	MB
GM-50	WG-100108-MB-054	6.95	16.5	63.9	1.527	0.09	500	15:42	16:37	6.5	10/1/2008	16:45	39.75	MB
GM-51	WG-093008-NZ-038	6.99	16.23	91	1.181	0.65	400	9:40	10:45	6	9/30/2008	10:50	43.99	NZ
GM-52	WG-093008-NZ-040	7.02	15.54	0.19	1.345	0.19	400	10:55	11:35	4.5	9/30/2008	11:40	43.83	NZ
GM-55	WG-100108-MB-059	7.1	13.93	75.7	0.784	3.59	500	11:00	12:30	12	10/2/2008	12:35	35.03	MB
GM-59	WG-100308-MB-065	6.92	18.7	76.1	1.192	0.79	500	8:16	9:06	6	10/3/2008	9:15	34.26	MB
GM-60	WG-100308-MB-067	6.93	17.38	64	1.256	0.1	500	9:40	10:35	6	10/3/2008	10:40	50.28	MB

Table B-1. Annual Groundwater Sampling Event Field Parameter Data Sheet for 2008, General Motors Corporation, Moraine, Ohio.

Well ID	Sample ID	pH (s.u.)	Temp (°C)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Purge Rate (mL/min)	Time - Start Purge	Time - End Purge	Volume Purged (gal)	Sample Date	Time - Sample	Total Depth (ft)	Sampler
Upper Aquifer Wells														
GM-63	WG-100108-MB-048	6.96	16.85	77.1	1.669	0.2	500	8:45	9:24	5.5	10/1/2008	9:30	39.70	MB
GM-64	WG-100108-MB-050	6.93	17.2	-105.3	1.256	0.06	500	10:25	11:45	10.5	10/1/2008	11:45	58.40	MB
GM-65S	WG-100608-JC-071	7.14	14.37	226	1.074	1.42	400	11:20	12:35	6.5	10/6/2008	12:40	51.90	JC
GM-75S	WG-100608-NZ-072	6.9	19	204	1.299	1.05	400	11:55	12:40	5.5	10/6/2008	12:45	51.38	NZ
GM-78	WG-100208-MB-060	7.15	14.99	81.1	0.938	4.56	500	13:35	14:30	8	10/2/2008	14:35	49.25	MB
GM-79	WG-100208-MB-057	7.1	16.53	47.4	0.968	0.11	500	9:30	10:20	6.5	10/2/2008	10:30	54.10	MB
GM-80	WG-092208-NZ-001	6.86	14.99	40	1.08	1.18	400	16:25	17:10	5	9/22/2008	17:15	24.42	NZ
WSU-24	WG-092508-MB-019	6.81	15.25	120	1.39	6.33	500	9:22	10:02	5	9/25/2008	10:10	65.33	MB
TW-2	WG-092408-NZ-009	7.03	16:45	-180	1.74	0	600	11:15	11:35	3	9/24/2008	11:40	N/A	NZ
ME-3	WG-102208-NZ-077	7	17.23	179	2.34	1.06	400	14:35	15:15		10/22/2008	15:20	36.58	NZ
ME-6	WG-102208-NZ-076	6.68	17.2	206	2.23	1.31		13:45	14:10	7.5	10/22/2008	14:15	35.45	NZ
Lower Aquifer Wells														
GM-1	WG-092408-MB-010	6.97	15.25	106	1.31	3.03	500	11:37	12:02	5	9/24/2008	0:10	102.80	MB
GM-3	WG-092408-NZ-007	6.68	16.38	71	1.23	0.04	400	9:55	10:45	5	9/24/2008	10:55	102.10	NZ
GM-9	WG-092408-MB-014	7.08	15.5	65	1.38	1.8	500	14:50	15:20	4	9/24/2008	15:30	99.45	MB
GM-11	WG-092408-NZ-013	6.81	16.47	64	1.2	1.39	400	14:35	15:15	4	9/24/2008	15:20	98.95	NZ
GM-15	WG-093008-NZ-045	7.1	16.24	190	0.995	0.2	400	16:00	16:40	5.5	9/30/2008	16:45	98.70	NZ
GM-19D	WG-092308-NZ-003	6.9	17.07	-136	1.48	0	400	11:40	12:20	5	9/23/2008	12:25	148.05	NZ
GM-20D	WG-092508-NZ-018	7.02	14.86	260	1.001	0.32	400	9:25	10:20	5.5	9/25/2008	10:25	99.87	NZ
GM-39	WG-100108-NZ-055	6.94	15.29	102	1.134	0.17	400	14:18	15:13	5.5	10/1/2008	15:15	116.76	NZ
GM-40	WG-093008-MB-039	6.88	16.08	-120.8	1.082	0.22	500	10:40	11:10	4	9/30/2008	11:15	161.00	MB
GM-41	WG-092608-NZ-028	6.94	16.97	238	1.141	0.18	400	11:05	12:05	6	9/26/2008	12:10	116.07	NZ
GM-42	WG-093008-MB-037	6.83	16.49	-39.1	1.058	0.15	500	9:05	9:55	6	9/30/2008	10:05	151.03	MB
GM-54	WG-093008-MB-047	6.88	16.52	64.9	1.043	4.18	500	18:36	19:21	6	9/30/2008	19:35	79.27	MB
GM-58	WG-092608-MB-029	6.79	16.12	162	1.37	0	500	11:40	12:35	7	9/26/2008	12:45	81.50	MB
GM-61	WG-100108-NZ-056	6.72	16.72	127	1.151	0.17	400	15:55	16:55	6.5	10/1/2008	17:00	78.37	NZ
GM-68D	WG-100308-NZ-066	6.27	17.18	126	1.35	0.13	400	8:40	9:40	6.5	10/3/2008	9:45	74.21	NZ
GM-75D	WG-100608-NZ-070	6.6	17.81	178	1.222	0.22	400	10:55	11:50	6	10/6/2008	11:55	94.15	NZ
GM-82	WG-100208-MB-063	6.8	17.26	-8	1.198	0.08	500	15:51	17:06	6	10/2/2008	NA	95.26	MB
GM-83D	WG-100208-NZ-061	7.21	14.86	81	0.889	0.26	400	14:15	15:15	6	10/2/2008	15:20	119.14	NZ
GM-84	WG-100208-NZ-058	6.89	14.49	63	0.946	0.34	400	10:40	11:40	6.5	10/2/2008	11:45	106.87	NZ
HR-10	WG-093008-MB-044	6.83	15.43	-99.5	1.005	0.28	500	16:38	17:18	5.5	9/30/2008	NA	128.30	MB
HR-12	WG-092508-NZ-021	7.22	15.86	131	0.995	0.16	400	11:00	11:40	4	9/25/2008	11:45	131.10	NZ
HR-15	WG-092908-NZ-036	7.37	16.32	116	1.061	0.26	400	15:35	16:25	4.5	9/29/2008	16:30	105.40	NZ
DN-13	WG-092408-NZ-017	NM	NM	NM	NM	NM	NM	16:20	16:40	NA	9/24/2008	16:40	N/A	NZ

Notes:

pH - negative logarithm of the concentration (mol/L) of the $H_2O^+[H^+]$ ion; scale is commonly used over a range 0 to 14 standard units (s.u.)

Temp - temperature
ORP - oxidation reduction potential
DO - dissolved oxygen
ºC - degrees Celsius
mV - millivolts
mg/L - milligrams per liter
mS/cm - miillisiemens per centimeter
gal - gallons

mL/min - milliliters per minute
ft - feet
mL - millilliters
VOCs - volatile organic compounds
NM - not measured

NA - not available
WG - groundwater

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Appendix C

Groundwater Analytical Database for 2008

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Upgradient of the Site			On-Site			
		HR-9	Duplicate	HR-11	HR-4	W-2-N	W-3-N	W-4-N
		9/30/2008	9/30/2008	9/25/2008	9/30/2008	9/29/2008	9/29/2008	9/29/2008
	Units	Upper Aquifer	QA/QC	Upper Aquifer	Upper Aquifer	Upper Aquifer	Upper Aquifer	Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	8.2	8.5	< 1 U	< 1 U	< 1 U	< 3.3 U	0.39 J
1,1-Dichloroethane	ug/l	58	59	5.2	4.1	< 1 U	< 3.3 U	1.9
1,1-Dichloroethene	ug/l	0.49 J	< 2.5 U	< 1 U	< 1 U	< 1 U	< 3.3 U	< 1 U
Benzene	ug/l	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 3.3 U	< 1 U
cis-1,2-Dichloroethene	ug/l	32	34	< 1 U	0.23 J	1.7	98	11
Ethylbenzene	ug/l	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 3.3 U	< 1 U
Tetrachloroethene	ug/l	< 2.5 U	< 2.5 U	< 1 U	0.44 J	< 1 U	< 3.3 U	0.38 J
Toluene	ug/l	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 3.3 U	< 1 U
trans-1,2-Dichloroethene	ug/l	4.5	4.6	< 1 U	< 1 U	< 1 U	1.4 J	0.92 J
Trichloroethene	ug/l	11	11	< 1 U	0.31 J	0.47 J	< 3.3 U	8.4
Vinyl chloride	ug/l	< 2.5 U	0.55 J	< 1 U	< 1 U	< 1 U	3.8	0.34 J
Xylene (total)	ug/l	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 6.7 U	< 2 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

	Units	HR-2 10/1/2008 Upper Aquifer	HR-3 10/2/2008 Upper Aquifer	HR-5 9/29/2008 Upper Aquifer	On-Site HR-1 9/29/2008 Upper Aquifer	GM-30 10/6/2008 Upper Aquifer	GM-23 10/23/2008 Upper Aquifer	GM-27 10/23/2008 Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	< 1 U	0.84 J	< 1 U	0.77 J	< 10 U	< 62 U	< 1.4 U
1,1-Dichloroethane	ug/l	4.6	16	0.48 J	1.8 J	11	< 62 U	2
1,1-Dichloroethene	ug/l	< 1 U	0.27 J	< 1 U	< 2.5 U	< 10 U	< 62 U	< 1.4 U
Benzene	ug/l	< 1 U	< 1 UJ	< 1 U	< 2.5 U	< 10 U	< 62 U	< 1.4 U
cis-1,2-Dichloroethene	ug/l	3.4	17	5.4	5	< 10 U	2000	11
Ethylbenzene	ug/l	< 1 U	< 1 U	< 1 U	< 2.5 U	300	< 62 U	< 1.4 U
Tetrachloroethene	ug/l	< 1 U	< 1 U	< 1 U	27	< 10 U	71	0.9 J
Toluene	ug/l	< 1 U	< 1 U	< 1 U	< 2.5 U	< 10 U	< 62 U	< 1.4 U
trans-1,2-Dichloroethene	ug/l	0.47 J	1.6	0.59 J	2 J	< 10 U	58 J	0.51 J
Trichloroethene	ug/l	0.36 J	32	13	70	< 10 U	< 62 U	57
Vinyl chloride	ug/l	< 1 U	2.2	< 1 U	< 2.5 U	< 10 U	2100	0.44 J
Xylene (total)	ug/l	< 2 U	< 2 U	< 2 U	< 5 U	670	< 120 U	< 2.9 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

	Units	GM-29 10/6/2008 Upper Aquifer	Duplicate 10/6/2008 QA/QC	GM-28 10/22/2008 Upper Aquifer	On-Site GM-59 10/3/2008 Upper Aquifer	GM-60 10/3/2008 Upper Aquifer	GM-75S 10/6/2008 Upper Aquifer	ME-6 10/22/2008 Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	12 J	10 J	< 5 U	< 33 U	< 25 U	< 20 U	2.7
1,1-Dichloroethane	ug/l	11 J	9.1 J	2.2 J	< 33 U	< 25 U	< 20 U	11
1,1-Dichloroethene	ug/l	< 33 U	< 33 U	< 5 U	< 33 U	< 25 U	< 20 U	< 1 U
Benzene	ug/l	< 33 U	< 33 U	< 5 U	< 33 U	< 25 U	< 20 U	< 1 U
cis-1,2-Dichloroethene	ug/l	900	750	6.9	41	360	< 20 U	5.2
Ethylbenzene	ug/l	< 33 U	< 33 U	< 5 U	< 33 U	< 25 U	< 20 U	< 1 U
Tetrachloroethene	ug/l	17 J	12 J	< 5 U	750	900	690	7.7
Toluene	ug/l	< 33 U	< 33 U	< 5 U	< 33 U	< 25 U	< 20 U	< 1 U
trans-1,2-Dichloroethene	ug/l	16 J	14 J	1.3 J	< 33 U	< 25 U	< 20 U	0.25 J
Trichloroethene	ug/l	300	250	< 5 U	750	920	250	9
Vinyl chloride	ug/l	150	110	6.5	< 33 U	< 25 U	< 20 U	1.7
Xylene (total)	ug/l	< 67 U	< 67 U	< 10 U	< 67 U	< 50 U	< 40 U	< 2 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

	Units	GM-31 10/23/2008 Upper Aquifer	Duplicate 10/23/2008 QA/QC	ME-3 10/22/2008 Upper Aquifer	On-Site GM-22 10/3/2008 Upper Aquifer	GM-19S 9/23/2008 Upper Aquifer	GM-33 10/23/2008 Upper Aquifer	GM-35 9/29/2008 Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	2.9	3.1	2.1	0.73 J	< 1 U	8.4	4.6 J
1,1-Dichloroethane	ug/l	3.2	3.3	1.8	< 1 U	13	2.9	20
1,1-Dichloroethene	ug/l	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 1 U	0.58 J	< 10 U
Benzene	ug/l	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1.4 U	< 10 U
cis-1,2-Dichloroethene	ug/l	76	81	1.4	< 1 U	0.68 J	4.1	92
Ethylbenzene	ug/l	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1.4 U	< 10 U
Tetrachloroethene	ug/l	< 2.5 U	< 2.5 U	8.1	5.7	0.94 J	38	20
Toluene	ug/l	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1.4 U	< 10 U
trans-1,2-Dichloroethene	ug/l	3	2.8	< 1 U	< 1 U	0.52 J	< 1.4 U	9.4 J
Trichloroethene	ug/l	78	84	4.9	5.7	3	36	88
Vinyl chloride	ug/l	0.9 J	0.78 J	0.7 J	< 1 U	9.3	< 1.4 U	7.9 J
Xylene (total)	ug/l	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 2.9 U	< 20 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

	Units	GM-32 9/23/2008 Upper Aquifer	GM-21 10/3/2008 Upper Aquifer	HR-17 9/26/2008 Upper Aquifer	On-Site W-2-S 9/25/2008 Upper Aquifer	W-3-S 9/26/2008 Upper Aquifer	W-4-S 9/26/2008 Upper Aquifer	Duplicate 9/26/2008 QA/QC
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	< 10 U	8.7	< 4 U	1.4	1.2	0.95 J	1.1 J
1,1-Dichloroethane	ug/l	4 J	15	1.1 J	0.92 J	0.21 J	1.3	1.5 J
1,1-Dichloroethene	ug/l	< 10 U	0.33 J	< 4 U	< 1 U	< 1 U	0.21 J	< 2 U
Benzene	ug/l	< 10 U	< 1.4 U	< 4 U	< 1 U	< 1 U	< 1 U	< 2 U
cis-1,2-Dichloroethene	ug/l	< 10 U	38	2.7 J	0.78 J	0.52 J	6	7.1
Ethylbenzene	ug/l	< 10 U	< 1.4 U	< 4 U	< 1 U	< 1 U	< 1 U	< 2 U
Tetrachloroethene	ug/l	< 10 U	0.56 J	120	< 1 U	1.3	32	46
Toluene	ug/l	< 10 U	< 1.4 U	< 4 U	< 1 U	< 1 U	< 1 U	< 2 U
trans-1,2-Dichloroethene	ug/l	< 10 U	4.7	1 J	< 1 U	< 1 U	1.2	1.5 J
Trichloroethene	ug/l	< 10 U	18	31	5.2	2.1	16	22
Vinyl chloride	ug/l	< 10 U	19	< 4 U	< 1 U	< 1 U	< 1 U	< 2 U
Xylene (total)	ug/l	< 20 U	< 2.9 U	< 8 U	< 2 U	< 2 U	< 2 U	< 4 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Downgradient of the Site						
	Units	GM-63 10/1/2008 Upper Aquifer	Duplicate 10/1/2008 QA/QC	GM-64 10/1/2008 Upper Aquifer	GM-47 10/1/2008 Upper Aquifer	GM-50 10/1/2008 Upper Aquifer	GM-8 9/23/2008 Upper Aquifer	GM-6 9/24/2008 Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	4 J	4.2 J	0.55 J	1.4 J	1.6 J	< 1 U	< 1 U
1,1-Dichloroethane	ug/l	2.2 J	2.1 J	2.7	2 J	1.7 J	1.7	< 8.4 U
1,1-Dichloroethene	ug/l	< 5 U	< 5 U	< 1 U	< 5 U	< 2.5 U	< 1 U	< 1 U
Benzene	ug/l	< 5 U	< 5 U	< 1 U	< 5 U	< 2.5 U	6.8	1.2
cis-1,2-Dichloroethene	ug/l	4.9 J	4.7 J	15	160	13	< 1 U	6.7
Ethylbenzene	ug/l	< 5 U	< 5 U	< 1 U	< 5 U	< 2.5 U	8.6	< 1 U
Tetrachloroethene	ug/l	140	130	31	86	82	< 1 U	< 1 U
Toluene	ug/l	< 5 U	< 5 U	< 1 U	< 5 U	< 2.5 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/l	< 5 U	< 5 U	2.3	3.9 J	0.68 J	0.27 J	1.3
Trichloroethene	ug/l	92	92	14	36	54	< 1 U	< 1 U
Vinyl chloride	ug/l	< 5 U	< 5 U	2.3	1.9 J	< 2.5 U	0.48 J	2.1
Xylene (total)	ug/l	< 10 U	< 10 U	< 2 U	< 10 U	< 5 U	3.9	< 2 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Downgradient of the Site					
	Units	TW-2 9/24/2008 Upper Aquifer	GM-2 9/24/2008 Upper Aquifer	GM-51 9/30/2008 Upper Aquifer	GM-16 9/30/2008 Upper Aquifer	GM-17 9/24/2008 Upper Aquifer	GM-18 9/24/2008 Upper Aquifer
Volatile Organic Compounds							
1,1,1-Trichloroethane	ug/l	< 1 U	< 1 U	0.6 J	1.8 J	0.29 J	2.3
1,1-Dichloroethane	ug/l	< 1.9 U	< 1.1 U	0.78 J	3.8	< 1 U	< 6.1 U
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 3.3 U	< 1 U	< 1.4 U
Benzene	ug/l	1.4	< 1 U	< 1 U	< 3.3 U	< 1 U	< 1.4 U
cis-1,2-Dichloroethene	ug/l	< 5.2 U	6.7	2	20	< 1.9 U	13
Ethylbenzene	ug/l	0.76 J	< 1 U	< 1 U	< 3.3 U	< 1 U	< 1.4 U
Tetrachloroethene	ug/l	1.4	1.3	9.3	100	4.8	16
Toluene	ug/l	< 1 U	< 1 U	< 1 U	< 3.3 U	< 1 U	< 1.4 U
trans-1,2-Dichloroethene	ug/l	0.36 J	0.19 J	0.7 J	1.1 J	< 1 U	0.79 J
Trichloroethene	ug/l	7.5	2.4	7.7	48	10	38
Vinyl chloride	ug/l	1	< 1 U	< 1 U	< 3.3 U	< 1 U	< 1.4 U
Xylene (total)	ug/l	< 2 U	< 2 U	< 2 U	< 6.7 U	< 2 U	< 2.9 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Downgradient of the Site						
	Units	WSU-24 9/25/2008 Upper Aquifer	Duplicate 9/25/2008 QA/QC	GM-52 9/30/2008 Upper Aquifer	GM-10 9/24/2008 Upper Aquifer	GM-79 10/2/2008 Upper Aquifer	GM-55 10/2/2008 Upper Aquifer	GM-78 10/2/2008 Upper Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	0.62 J	0.42 J	1.9 J	0.53 J	0.65 J	< 1 U	< 1 U
1,1-Dichloroethane	ug/l	0.85 J	< 1 U	3	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U
Benzene	ug/l	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 UJ	< 1 UJ	< 1 UJ
cis-1,2-Dichloroethene	ug/l	2.4 J	< 1 UJ	14	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/l	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/l	1.7	1.3	88	0.85 J	< 1 U	7.2	11
Toluene	ug/l	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/l	0.35 J	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/l	12 J	4.9 J	43	5.9	1.8	< 1 U	< 1 U
Vinyl chloride	ug/l	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/l	< 2 U	< 2 U	< 5 U	< 2 U	< 2 U	< 2 U	< 2 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Downgradient of the Site			Upgradient of the Site		On-Site	
		GM-80	GM-26	GM-65S	HR-10	HR-12	HR-15	GM-39
		9/22/2008	10/1/2008	10/6/2008	9/30/2008	9/25/2008	9/29/2008	10/1/2008
	Units	Upper Aquifer	Upper Aquifer	Upper Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	0.39 J	< 1 U	< 1 U
1,1-Dichloroethane	ug/l	0.39 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Benzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/l	3.6	< 1 U	< 1 U	< 1 U	< 1 U	3.6	0.67 J
Ethylbenzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/l	0.93 J	1.4	8.7	< 1 U	1.3	< 1 U	< 1 U
Toluene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/l	0.19 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/l	5.4	< 1 U	3.8	< 1 U	5.1	0.47 J	< 1 U
Vinyl chloride	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	9.7	3.2
Xylene (total)	ug/l	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

	Units	GM-83D 10/2/2008 Lower Aquifer	Duplicate 10/2/2008 QA/QC	GM-40 9/30/2008 Lower Aquifer	On-Site GM-61 10/1/2008 Lower Aquifer	GM-75D 10/6/2008 Lower Aquifer	GM-68D 10/3/2008 Lower Aquifer	GM-82 10/2/2008 Lower Aquifer
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 33 U	< 5 U	1 J
1,1-Dichloroethane	ug/l	< 1 U	< 1 U	< 1 U	0.94 J	< 33 U	< 5 U	2.4 J
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	0.19 J	< 33 U	< 5 U	0.64 J
Benzene	ug/l	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 33 U	< 5 U	< 3.3 U
cis-1,2-Dichloroethene	ug/l	0.3 J	0.27 J	< 1 U	20	120	14	46
Ethylbenzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 33 U	< 5 U	< 3.3 U
Tetrachloroethene	ug/l	< 1 U	< 1 U	< 1 U	13	220	190	51
Toluene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 33 U	< 5 U	< 3.3 U
trans-1,2-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	0.92 J	< 33 U	< 5 U	2 J
Trichloroethene	ug/l	< 1 U	< 1 U	< 1 U	23	750	46	100
Vinyl chloride	ug/l	1.3	1.4	3.6	0.75 J	< 33 U	< 5 U	< 3.3 U
Xylene (total)	ug/l	< 2 U	< 2 U	< 2 U	< 2 U	< 67 U	< 10 U	< 6.7 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		On-Site						Downgradient of the Site	
		GM-41	GM-58	GM-54	GM-42	GM-84	GM-19D	GM-3	Duplicate
		9/26/2008	9/26/2008	9/30/2008	9/30/2008	10/2/2008	9/23/2008	9/24/2008	9/24/2008
	Units	Lower Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer	Lower Aquifer	QA/QC
Volatile Organic Compounds									
1,1,1-Trichloroethane	ug/l	< 7.1 U	< 2.5 U	< 5.7 U	< 1 U	< 1 U	< 1 U	< 1 U	0.67 J
1,1-Dichloroethane	ug/l	< 7.1 U	< 2.5 U	< 5.7 U	0.66 J	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/l	< 7.1 U	< 2.5 U	< 5.7 U	0.53 J	< 1 U	< 1 U	< 1 U	< 1 U
Benzene	ug/l	< 7.1 U	< 2.5 U	< 5.7 U	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/l	11	< 2.5 U	< 5.7 U	20	< 1 U	2.4	< 1 U	< 2.5 U
Ethylbenzene	ug/l	< 7.1 U	< 2.5 U	< 5.7 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/l	< 7.1 U	80	190	< 1 U	< 1 U	< 1 U	< 1 UJ	2 J
Toluene	ug/l	< 7.1 U	< 2.5 U	< 5.7 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/l	< 7.1 U	< 2.5 U	< 5.7 U	0.89 J	< 1 U	< 1 U	< 1 U	0.41 J
Trichloroethene	ug/l	180	< 2.5 U	2.5 J	9.9	6.6	< 1 U	< 1 UJ	13 J
Vinyl chloride	ug/l	< 7.1 U	< 2.5 U	< 5.7 U	0.31 J	< 1 U	9.8	< 1 U	< 1 U
Xylene (total)	ug/l	< 14 U	< 5 U	< 11 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U

ug/l - Micrograms per liter.
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J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Downgradient of the Site					
	Units	GM-1 9/24/2008 Lower Aquifer	GM-15 9/30/2008 Lower Aquifer	GM-11 9/24/2008 Lower Aquifer	GM-20D 9/25/2008 Lower Aquifer	DN-13 9/24/2008 Lower Aquifer	GM-9 9/24/2008 Lower Aquifer
Volatile Organic Compounds							
1,1,1-Trichloroethane	ug/l	0.69 J	< 1 U	0.47 J	0.45 J	0.63 J	1.2
1,1-Dichloroethane	ug/l	< 1 U	1.1	< 1 U	< 1 U	< 1.7 U	< 1 U
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Benzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/l	< 1 U	0.79 J	< 1 U	< 1 U	6.2	< 1 U
Ethylbenzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/l	1.8	< 1 U	1.7	2.6	< 1 U	< 1 U
Toluene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	0.44 J	< 1 U
Trichloroethene	ug/l	31	6.2	31	6.6	4.5	18
Vinyl chloride	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	1.4	< 1 U
Xylene (total)	ug/l	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Rinse Blanks							
	Units	9/24/2008 QA/QC	9/25/2008 QA/QC	9/29/2008 QA/QC	9/30/2008 QA/QC	10/1/2008 QA/QC	10/2/2008 QA/QC	10/6/2008 QA/QC	10/23/2008 QA/QC
Volatile Organic Compounds									
1,1,1-Trichloroethane	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/l	1.7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Benzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/l	1.1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	1.5	< 1 U
Toluene	ug/l	< 1 U	< 1 U	0.36 J	0.28 J	0.22 J	0.21 J	0.42 J	< 1 U
trans-1,2-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/l	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-1. Summary of Groundwater VOC Analytical Results from Upper/Lower Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		Trip Blanks									
	Units	9/23/2008 QA/QC	9/24/2008 QA/QC	9/25/2008 QA/QC	9/26/2008 QA/QC	9/29/2008 QA/QC	9/30/2008 QA/QC	10/1/2008 QA/QC	10/2/2008 QA/QC	10/6/2008 QA/QC	10/23/2008 QA/QC
Volatile Organic Compounds											
1,1,1-Trichloroethane	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Benzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/l	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U

ug/l - Micrograms per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Table C-2. Summary of Additional Groundwater Analytical Results from Upper Aquifer Monitoring Wells in September-October 2008, General Motors Corporation, Moraine, Ohio.

		On-Site	
	Units	GM-19S 9/23/2008 Upper Aquifer	GM-35 9/29/2008 Upper Aquifer
Semi-Volatile Organic Compounds			
Benzo(a)anthracene	ug/l	< 10 U	< 40 U
Benzo(b)fluoranthene	ug/l	< 10 U	< 40 U
Metals			
Antimony	mg/l	< 0.06 U	< 0.06 U
Cadmium	mg/l	< 0.005 U	< 0.005 U
Chromium	mg/l	0.0026 J	0.0071 J
Polychlorinated Biphenyls			
Aroclor-1016	ug/l	< 1 U	< 1 U
Aroclor-1221	ug/l	< 1 U	< 1 U
Aroclor-1232	ug/l	< 1 U	< 1 U
Aroclor-1242	ug/l	< 1 U	< 1 U
Aroclor-1248	ug/l	< 1 U	< 1 U
Aroclor-1254	ug/l	< 1 U	< 1 U
Aroclor-1260	ug/l	< 1 U	< 1 U

ug/l - Micrograms per liter.
mg/l - Milligrams per liter.
< - Constituent not detected above laboratory reporting limit shown.
J - Value is estimated.
U - Constituent not detected above laboratory reporting limit shown.

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Appendix D

In-Situ Reactive Zones Performance Results for 2008

In-Situ Reactive Zones Performance Results

As described in Section 3.1.1 of the Site-Wide Groundwater Monitoring Report for 2008 (Monitoring Report), the carbon solution delivery network consisted of three reactive zones, RZ-1, RZ-3 (East and West) and RZ-4 (East). During 2008, a carbon solution was introduced into the groundwater through introduction points at RZ-1, RZ-3 (East and West), and RZ-4 (East) shown on Figures 10, and 11 of the Monitoring Report, respectively. RZ-1 was originally installed in 1999 as a nine well barrier downgradient of the Former Oil House Area source area, and then based on the performance of the ERD technology, RZ-1 was expanded into portions of the Former Oil House Area source area by the addition of 12 introduction points in 2002. RZ-3 was originally installed in 1999 and has been operated as a cut-off barrier (30 wells in RZ-3 East and 11 wells in RZ-3 West) to mitigate further downgradient VOC migration. In 2005, RZ-3 East was modified by the addition of 5 introduction wells (RZ-3RR through RZ-3VV) and cessation of introduction in 5 existing wells (RZ-3MM through RZ-3QQ) to improve performance at the far eastern edge of the plume. Using data obtained from the Supplemental Groundwater Investigation conducted in 2006, RZ-4 was designed and installed to address VOC concentrations present on the western side of the plume. RZ-4 consists of 15 introduction wells, 7 wells in RZ-4 West and 8 wells in RZ-4 East. The RZ-4 West wells are located in the southeast corner of the closed South Settling Lagoon and the RZ-4 East wells are located north of Landfill L1 and west of the Waste Pile/Staging Area. Introductions to RZ-4 began in August 2006. RZ-4 West was not in operation in 2008. The following sections discuss the monitoring completed to assess the effectiveness of the in-situ reactive zones and the results of this monitoring.

Reactive Zone Monitoring

Operation of the reactive zones was monitored through the collection of field parameter measurements, and laboratory analyses of biogeochemical indicator parameters and volatile organic compounds (VOCs), according to the Site-Wide Groundwater Monitoring Plan (ARCADIS G&M, Inc. 2002). Field parameter measurements included: pH, specific conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and temperature. Biogeochemical parameters included manganese (total and dissolved), iron (total and dissolved), sulfate, sulfide, total organic carbon (TOC), chlorides, light hydrocarbons (ethane and ethene), and methane. The monitored VOCs included: benzene, toluene, ethylbenzene, xylenes, tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), vinyl chloride, 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), and trans-1,2-dichloroethene (trans-1,2-DCE). The VOC data collected are presented in Tables 9 through 12 of the Monitoring Report. The bioattenuation parameter data is presented on Tables 13 through 16. An evaluation of pertinent monitoring data is presented in the following sections.

The operational monitoring data collected, as indicated above, can be broadly categorized as: (i) “primary” operational monitoring data, which tracks the actual operation of the remediation system and determines whether the operation is proceeding as planned, and (ii) “secondary” operational monitoring data, which assists in the occasional troubleshooting of the system. The

secondary data becomes important in the event that degradation of the VOCs is not proceeding as expected, and the cause cannot be determined from the primary operational monitoring data. The primary operational monitoring data includes pH, TOC, VOCs, ethene, ethane, and methane. Secondary operational monitoring data includes dissolved manganese, dissolved iron, sulfate, and ORP. The primary operational data for select monitoring wells is discussed below and presented graphically on Figures D-1 through D-8.

The purpose of upgradient and downgradient monitor wells, separate from the introduction points within the reactive zones, is to collect and compare data before and after biodegradation by the stimulated microbial population. Locations of these wells are shown on Figures 10 and 11 of the Monitoring Report.

- At RZ-1, GM-29 is designated as the upgradient monitoring well, while GM-28 is designated as the downgradient monitor well. These wells are ideally positioned, relative to estimated groundwater travel time, approximately 100 days upgradient and 100 days downgradient from the original introduction wells installed to create the RZ-1 introduction zone (line of nine introduction wells, RZ-1A through 1I, placed in an East-West direction). GM-29 is located within the area of the RZ-1 expansion wells (twelve introduction wells placed in two rows north of the original nine wells, RZ-1J through 1U). Therefore, GM-23 is also used as an upgradient monitoring point because this well is located within the source area.

- For RZ-3 West, monitor well GM-19S is used as the upgradient well. It should be noted that as of August 2006 GM-19S is now the downgradient monitoring well for RZ-4 East. At RZ-3 West, GM-32, which is within the introduction zone due to its location being constrained by the proximity of Landfill L1, is designated as the downgradient monitor well. Results at GM-32 are analyzed with caution, as this well is located in the early stages of the reactive zone due to its proximity to the introduction points. Annual data collected from GM-8 and GM-6, which are further downgradient from the introduction zone and located along the west side of Landfill L1, have also been evaluated with respect to monitoring the performance of RZ-3 West. At RZ-3 West, carbon solution is introduced in thirty wells, RZ-3A through RZ-3DD.

- For RZ-3 East, GM-22 is designated as the upgradient monitor well and GM-21 is designated as the downgradient monitor well. At RZ-3 East, carbon solution is introduced in the original wells, RZ-3FF through RZ-3KK, and five additional wells, RZ-3RR through RZ-3VV.

- For RZ-4 East monitoring well GM-19S is used at the downgradient monitoring well. For RZ-4 West monitoring well pair GM-63 and GM-64 are used as the downgradient monitoring wells. This well pair has screened intervals in the intermediate and deep portions of the upper aquifer.

In 2008, in general, a target volume of 800 gallons of 5 percent molasses solution (approximately 17,400 milligrams per liter [mg/L] TOC) was injected into the introduction wells of RZ-1 during January, March, April, May, July, August, September, October, November, and December. The

introduction wells at RZ-3 West and RZ-3 East introduction wells RZ-3FF through RZ-3KK received a target volume of approximately 1,600 gallons of 2 percent molasses solution (approximately 17,400 mg/L TOC) monthly in general from January through December 2008. The RZ-3 East replacement wells (RZ-3RR through RZ-3VV) received a target volume of approximately 1,600 gallons of 2.7 percent molasses solution (approximately 9,405 mg/L TOC) in 2008. A target volume of 3,000 gallons of 2 percent molasses solution (approximately 6,960 mg/L TOC) was injected into the RZ-4 East wells from January through December 2008. Table 18 in the Monitoring Report presents the carbon solution introduction volumes for different introduction wells in 2008.

Analysis of Primary Operational Monitoring Data

The primary operational data is comprised of a limited number of variables that are monitored at a frequency necessary to supply the information required for the operation of the remediation system. The entire data set is presented in Tables 9 through 16 of the Monitoring Report. These tables are organized such that upgradient and downgradient changes can be easily identified for each reactive zone from 1999 to 2008. Figures D-1 through D-8 present the primary operational data (pH, TOC, methane, VOCs, ethane, and ethene) graphically for monitoring wells used for monitoring the effectiveness of each of the IRZs (GM-23, GM-29, GM-28, GM-32, GM-8, GM-6, GM-21, and GM-19S). The graphs are organized to allow a simple comparison of the trends in each monitoring well for pH, TOC, methane, VOCs, ethene, ethane, and total parent-daughter compound molarity. A discussion of the primary operational data is provided below.

pH

The preferred pH range for reductive dechlorination is between 6 and 8, and the acceptable pH range extends from 5 to 9. All pH measurements collected in 2008 from upgradient and downgradient monitoring wells were within the acceptable pH range.

Total Organic Carbon/Methane

At RZ-1, the reductive dechlorination process is continuing effectively even though the TOC levels at the designated downgradient well, GM-28, is only 5 to 6 mg/L which is at background levels. Considering the differences in the VOC concentrations at the upgradient wells GM-29 and GM-23, and the VOC concentrations at GM-28, the RZ is performing as an effective barrier, reducing the total target VOC concentrations from 1,406 micrograms per liter (µg/L) in GM-29 and 4,229 µg/L in GM-23 (September-October 2008) to 16.9 µg/L at GM-28 (September-October 2008). Based on the TOC values in the RZ-1 injectate, the carbon was consumed rapidly by an active soil microbial community. Methane concentrations in GM-28 continue to be sustained above background concentrations, which provides evidence that methanogenesis is occurring and that the desired reducing conditions are being sustained in the reactive zone. TOC concentrations at GM-29 have increased since introductions began at the RZ-1 expansion wells

and methane concentrations in GM-29 remain above the background levels observed in this monitoring well in the 1999 sampling before the start of carbon introductions.

TOC and methane concentrations at RZ-3 West downgradient well GM-32 were sustained above background levels through 2008. TOC and methane concentrations observed at further downgradient wells decreased in GM-8 and remained the same in GM-6 from 2007 to 2008. Due to the distance/travel-time from RZ-3 West to downgradient well GM-6, TOC concentrations above background levels would not be expected in this well. TOC concentrations observed in groundwater samples collected from GM-21, which is the downgradient well for RZ-3 East, were at background levels. However, dissolved methane concentrations were well above background indicating that the aquifer is anaerobic at GM-21.

Analytical results from GM-19S, the downgradient monitoring well for RZ-4 East, exhibit a common ERD signature. An initial spike in TOC (September 2006 sampling event) above background concentrations followed by a spike in total parent-daughter ethene molarity (indicating that target compounds may have been de-sorbed from the aquifer soil-matrix), and increasing methane concentrations indicating that the carbon substrate loading is adequate to support methanogenesis and reductive dechlorination. TOC and methane concentrations in 2008 were sustained at similar levels observed in 2007.

VOC Analytical Results

The groundwater analytical data for the site-specific list of VOCs are presented in Table 9 for RZ-1, Table 10 for RZ-3 West, Table 11 for RZ-3 East, and Table 12 for RZ-4 East in the Monitoring Report. Additionally, the degradation of PCE and TCE (parent compounds) to cis-1,2-DCE, vinyl chloride (daughter products), and ethene and ethane (end products) are provided with the pH, TOC, and methane data for the upgradient monitor wells at RZ-1 (GM-29 and GM-23) and downgradient monitor wells in RZ-1, RZ-3 West, RZ-3 East, and RZ-4 East on Figures D-1 through D-8, respectively.

The following bullets summarize the observations and trends evident among the reactive zones at the GM Moraine Facilities which indicate that enhanced reduction of the targeted chlorinated VOCs is progressing as a result of the carbon introduction process:

- Comparing the 2008 profiles of chlorinated compounds in the upgradient and downgradient wells in RZ-1 (Figures D-1 and D-3, respectively), it was observed that degradation of the chlorinated VOCs was sustained throughout 2008. The total chlorinated VOC concentrations in GM-29 have decreased in 2008 as compared to 2007 (1,907 µg/L in 2007 and 1,406 µg/L in 2008). Total chlorinated VOC concentrations in GM-23 decreased from 15,835 µg/L in 2006 to 7,792 µg/L in 2007 and to 4,229 µg/L in 2008. This well is upgradient to the original RZ-1 barrier and is within the zone of influence of carbon introductions conducted in the Former Oil House Area in wells OW-1 through OW-3.

- Data from monitoring wells GM-8 and GM-6, which are located downgradient of RZ-3 West along the west side of Landfill L1, were considered to evaluate the effect of carbon introductions at RZ-3 West. Concentrations of total chlorinated VOCs at GM-8 remained steady in 2008 (21.75 µg/L) compared to 2007 (15 µg/L). Though GM-6 is located further downgradient, concentrations of PCE and TCE have consistently decreased since 1998. It is expected that consistent carbon introduction at RZ-3 West will eventually reduce the concentrations of all chlorinated VOCs at GM-6.

- Total chlorinated VOC concentrations in monitoring well GM-21, which is the downgradient monitor well for RZ-3 East, have remained significantly lower compared to baseline conditions since the installation of Reactive Zone introduction wells RZ-3RR through RZ-3VV.

- Data from monitoring well GM-19S, downgradient of RZ-4 East has exhibited a strong decreasing trend in total chlorinated VOC concentrations falling from 607 µg/L in December 2006 to 27.44 µg/L in September-October 2008.

- The concentrations of VOCs at the influent to the air-stripper tower are being monitored on a monthly basis since the startup of the air stripper unit on January 31, 1996 (Figure 5 of the Monitoring Report). The first monitoring event was in February 1996, and the introduction of carbon in RZ-3 commenced in December 1999. On reviewing the data presented in Figure 5, it can be observed that the concentrations of VOCs in 2008 remained consistent with the 2007 monitoring data.

Conclusions

The following observations and conclusions can be made:

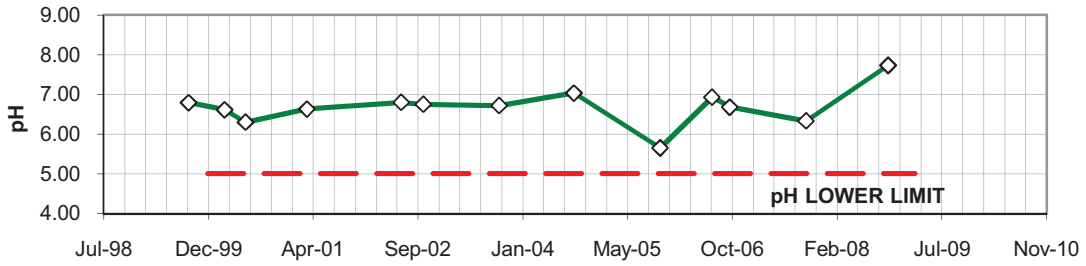
- Existing aquifer conditions have been converted to more reducing conditions within and downgradient of the reactive zones through the introduction of a carbon source, as evidenced by the changes in field and bioattenuation parameters;

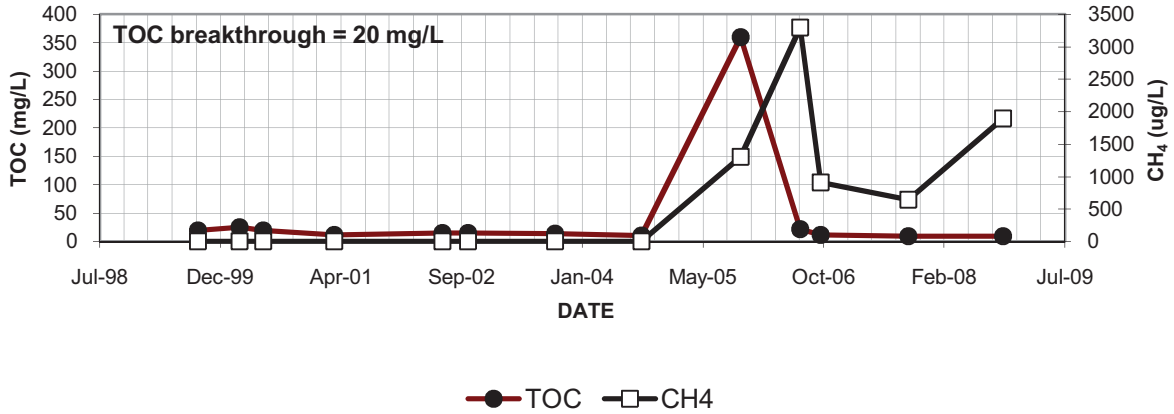
- The target compounds (PCE and TCE) have been effectively reduced to daughter products (cis-1,2-DCE and vinyl chloride) and ultimately to end products (ethene and ethane) based on a review of the VOC results; and

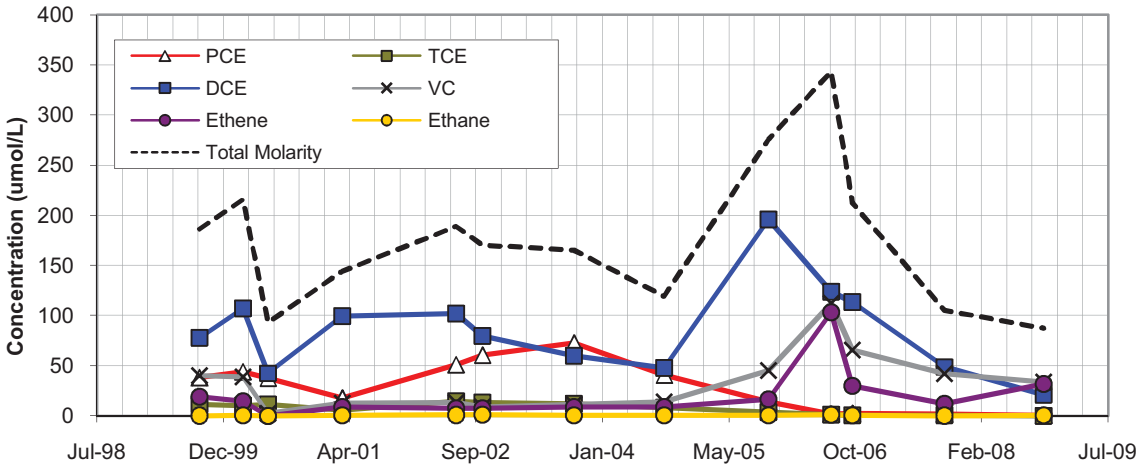
- Levels of vinyl chloride were consistently low to non-detect in all downgradient wells, indicating degradation of cis-1,2-DCE to ethene and ethane.

Overall, the process of enhanced reductive dechlorination at this site has been successful in achieving the desired reduction of VOC concentrations. In 2009, GM will continue to evaluate if modifications to the RZs are needed based on water quality and performance monitoring data.

Figure D-1
GM-23 ERD Analysis







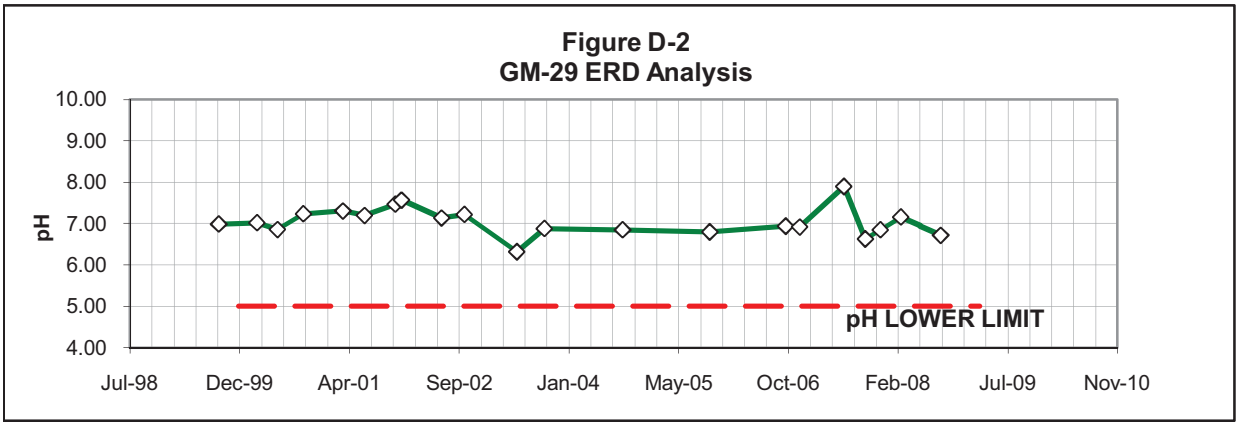
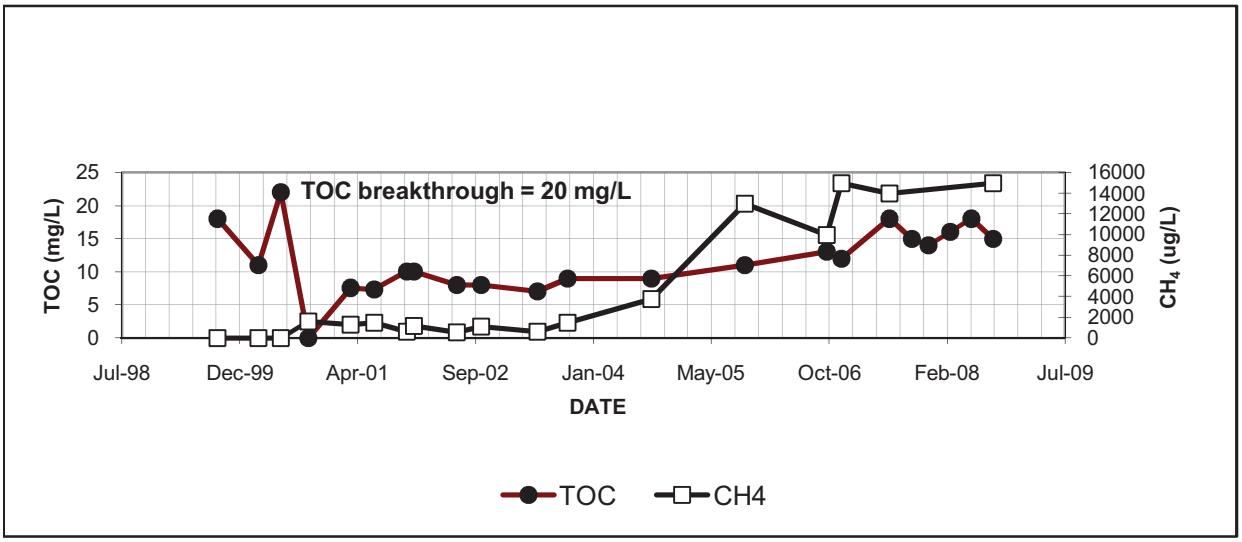
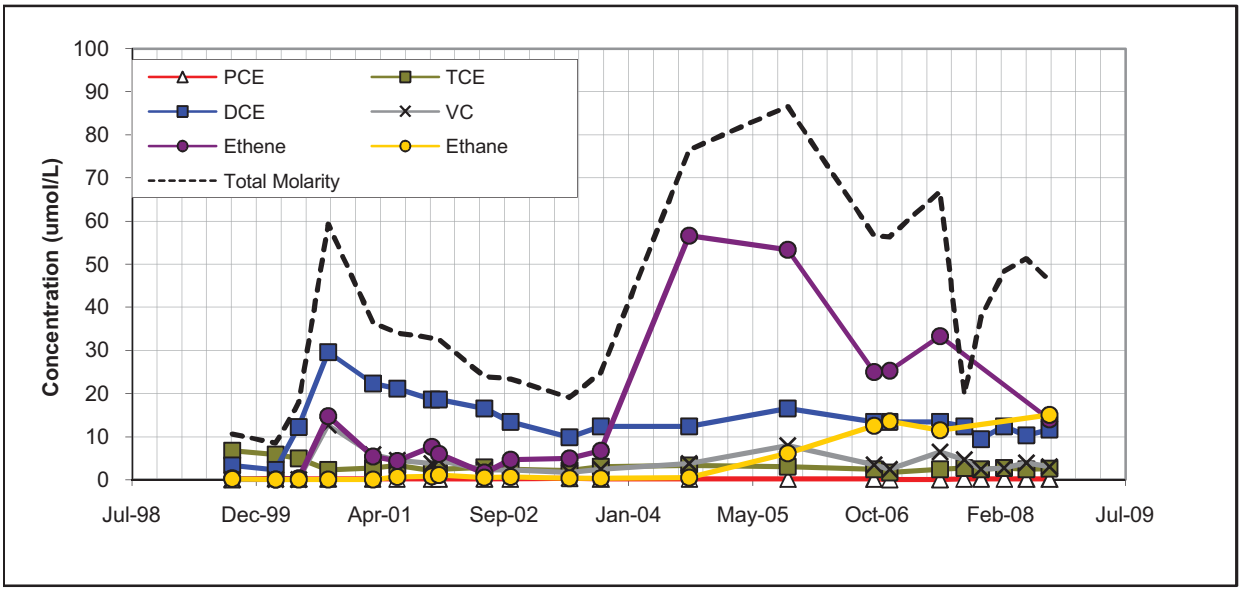


Figure D-2
GM-29 ERD Analysis
pH
10.00
9.00
8.00
7.00
6.00
5.00
4.00
pH LOWER LIMIT
Jul-98
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09
Nov-10


TOC breakthrough = 20 mg/L
TOC (mg/L)
25
20
15
10
5
0
16000
14000
12000
10000
8000
6000
4000
2000
0
CH4 (ug/L)
Jul-98
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09
DATE
TOC
CH4


PCE
TCE
DCE
VC
Ethene
Ethane
Total Molarity
Concentration (umol/L)
100
90
80
70
60
50
40
30
20
10
0
Jul-98
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09

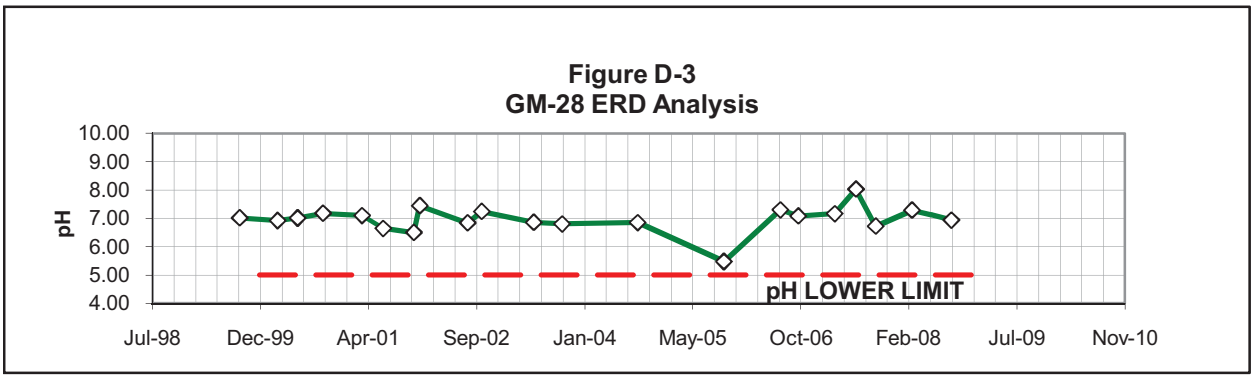
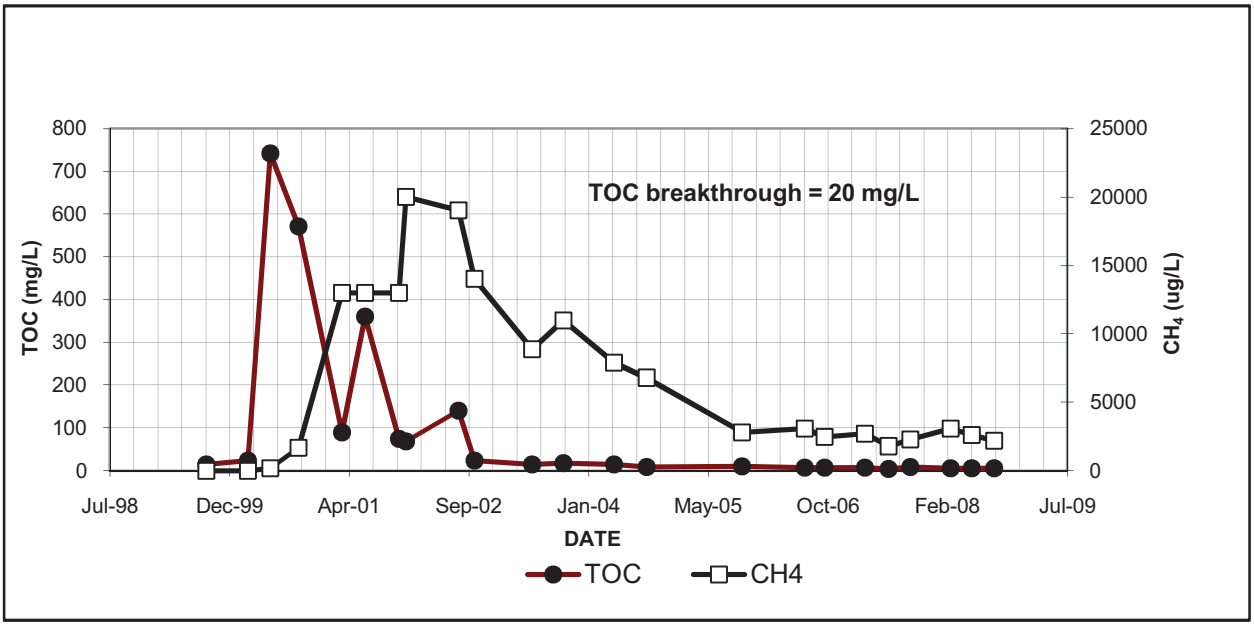


Figure D-3
GM-28 ERD Analysis
pH
10.00
9.00
8.00
7.00
6.00
5.00
4.00
pH LOWER LIMIT
Jul-98
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09
Nov-10


TOC breakthrough = 20 mg/L
TOC (mg/L)
800
700
600
500
400
300
200
100
0
25000
20000
15000
10000
5000
0
CH4 (ug/L)
Jul-98
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09
DATE
TOC
CH4

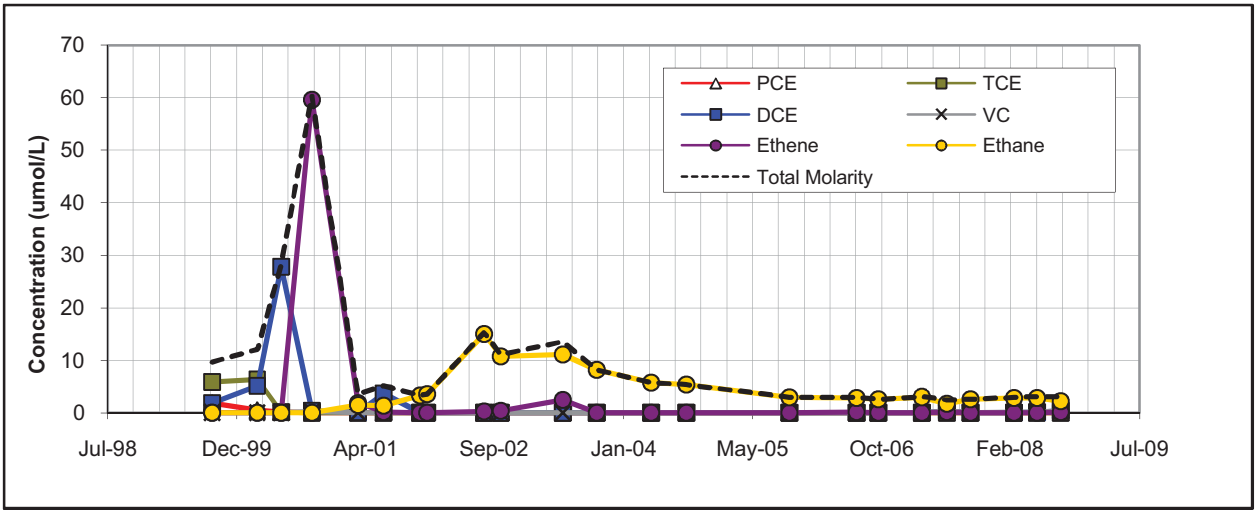
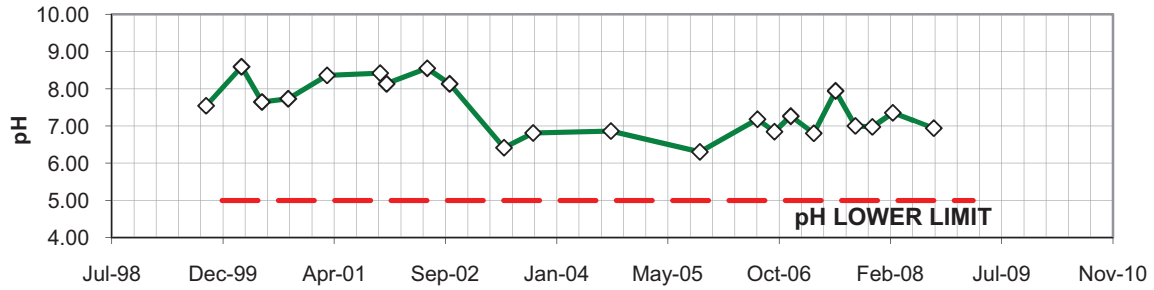
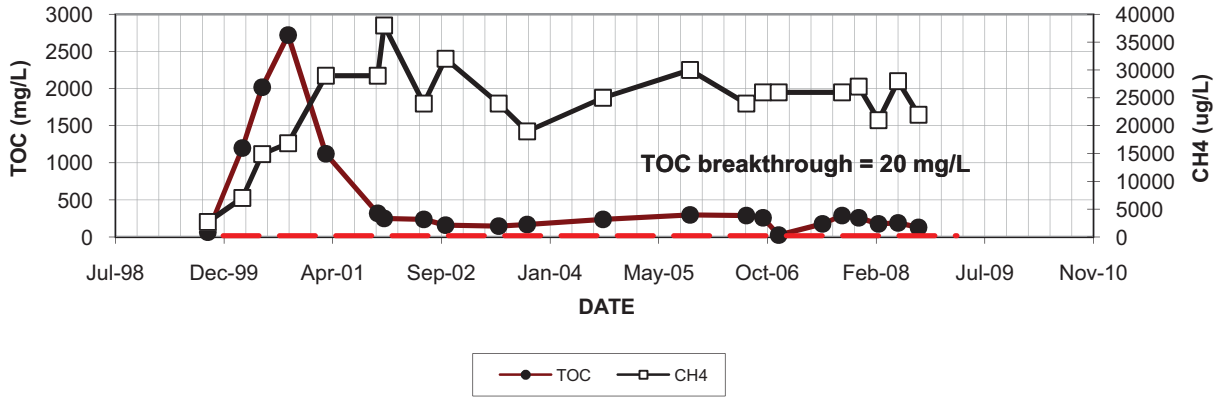

Concentration (umol/L)
70
60
50
40
30
20
10
0
PCE
TCE
DCE
VC
Ethene
Ethane
Total Molarity
Jul-98
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09

Figure D-4
GM-32 ERD Analysis





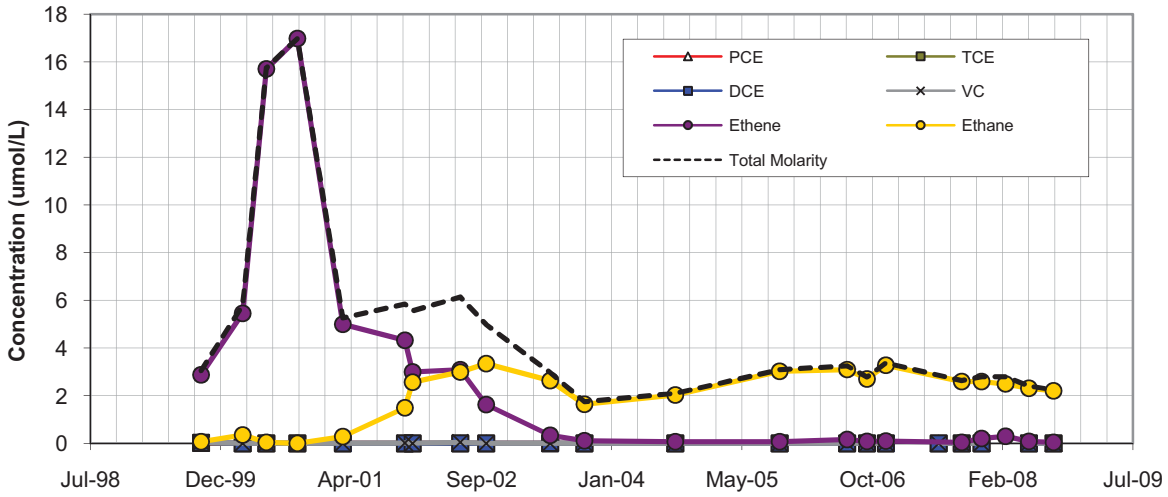
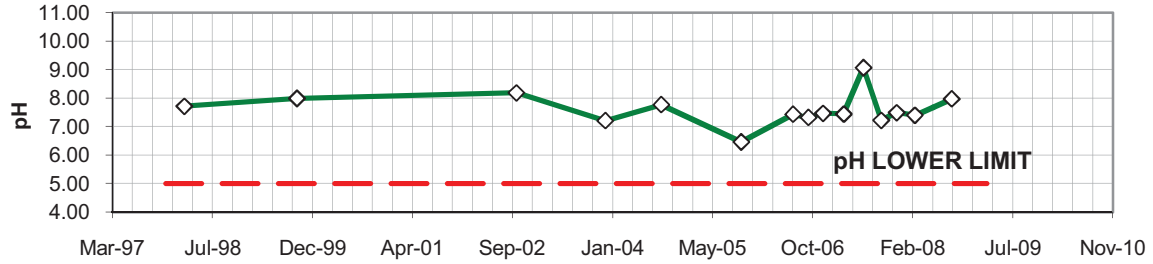
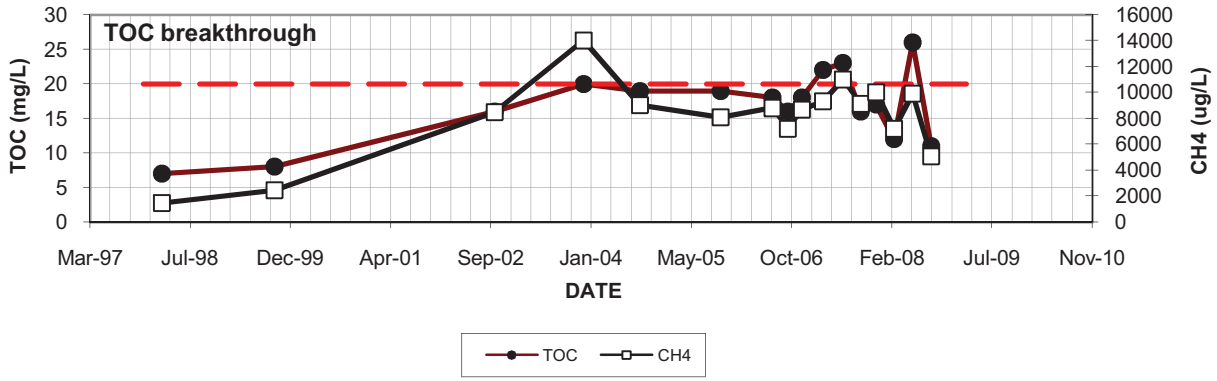


Figure D-5
GM-8 ERD Analysis





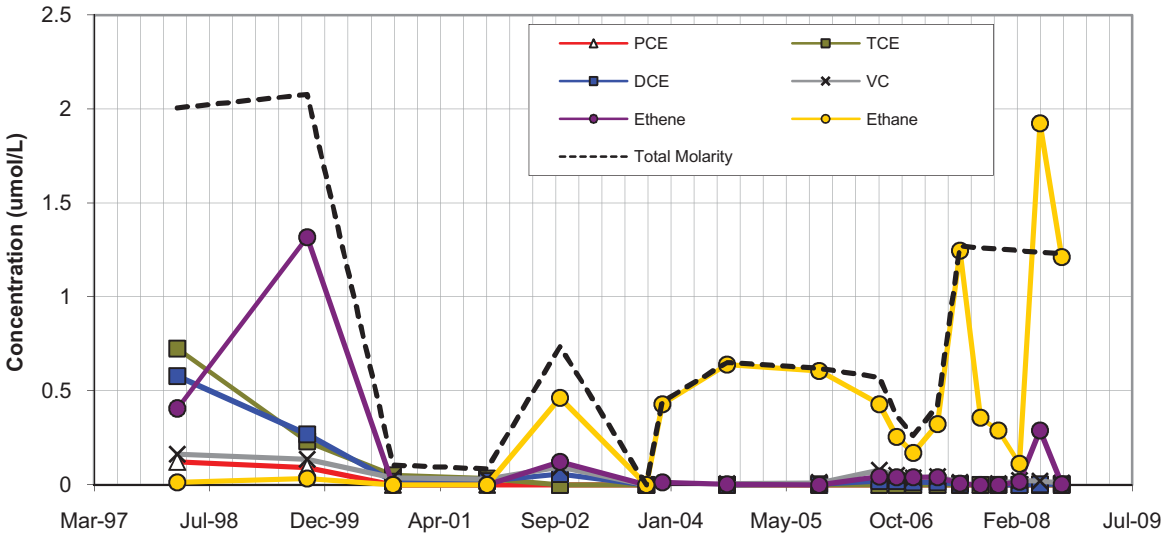
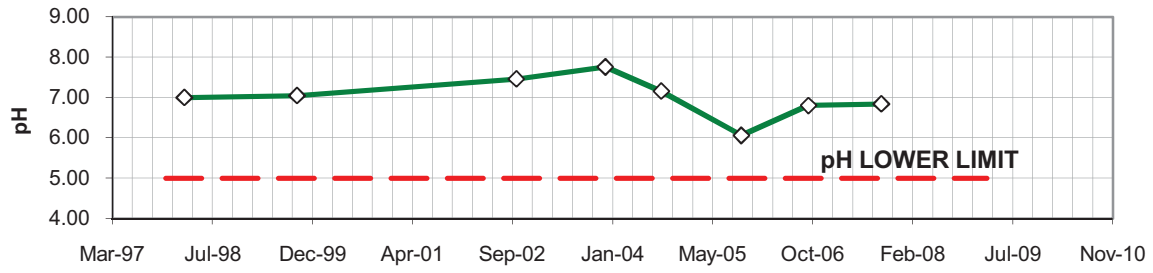
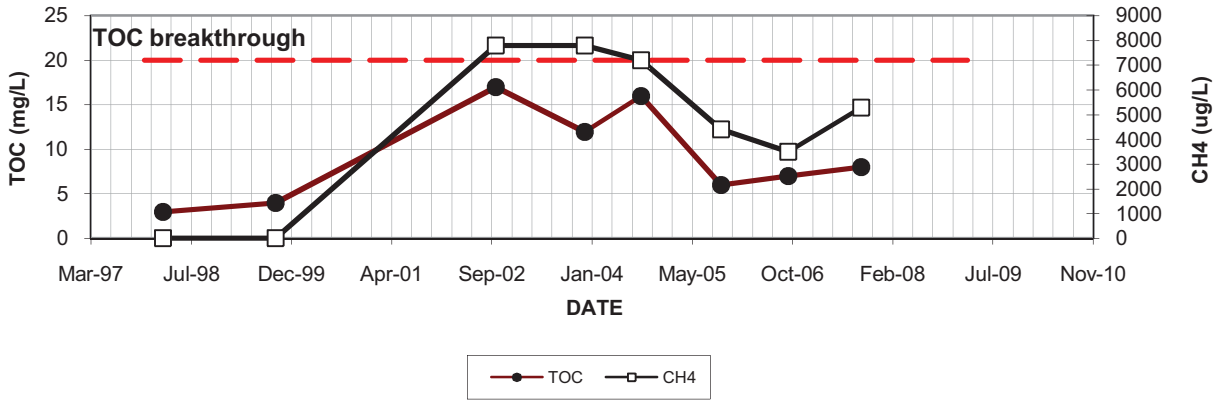


Figure D-6
GM-6 ERD Analysis





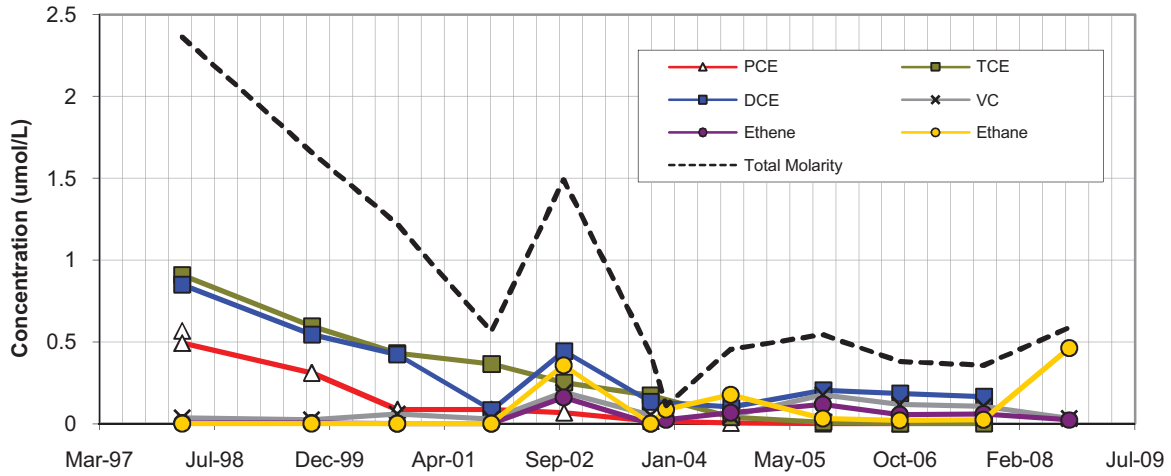
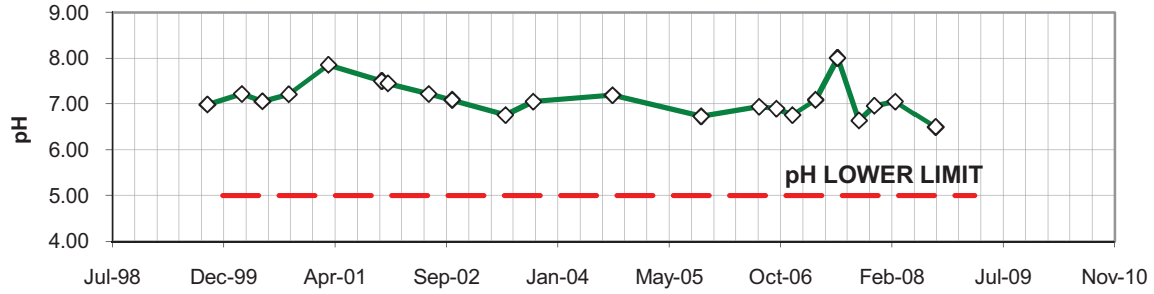
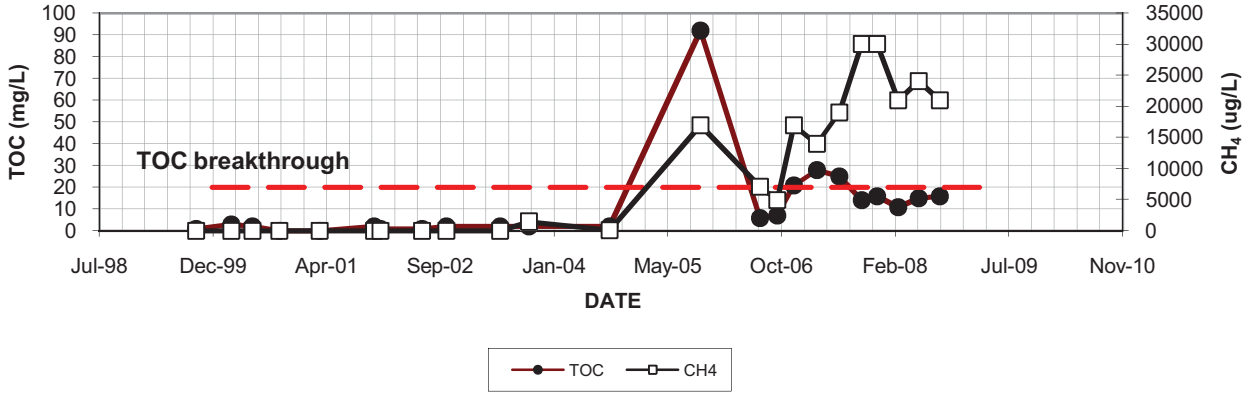


Figure D-7
GM-21 ERD Analysis





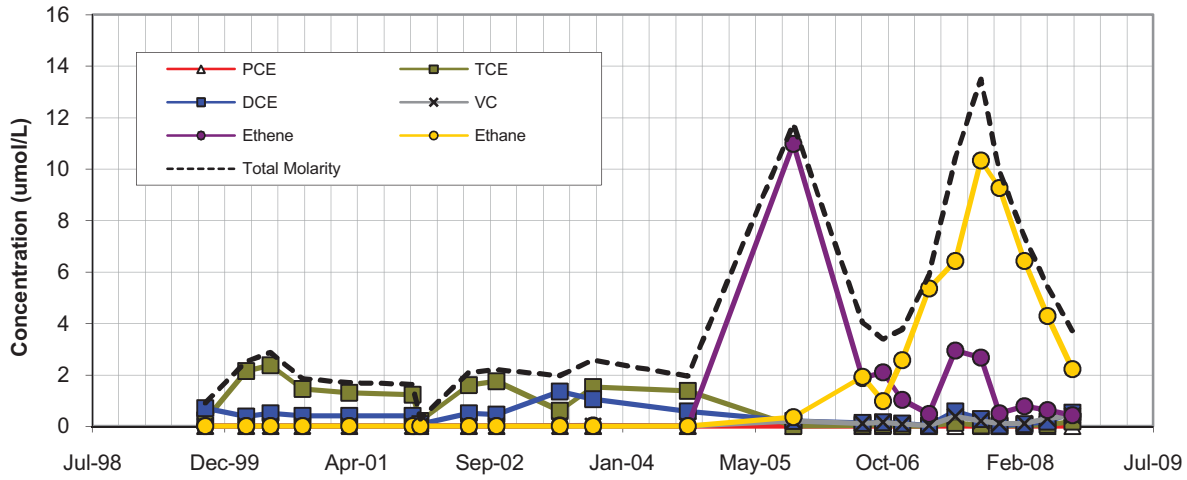
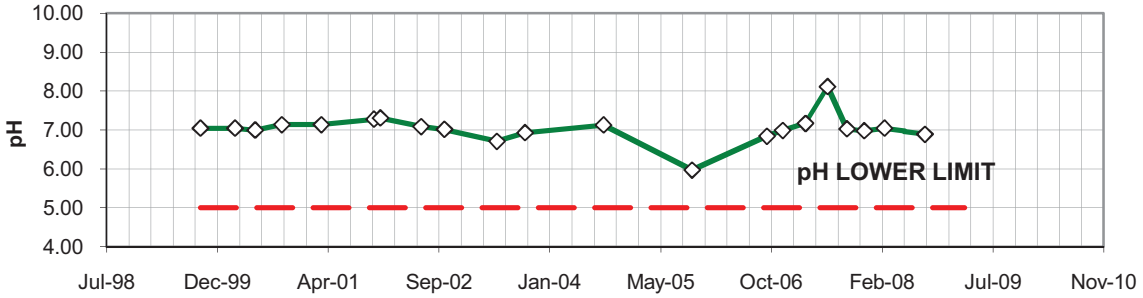
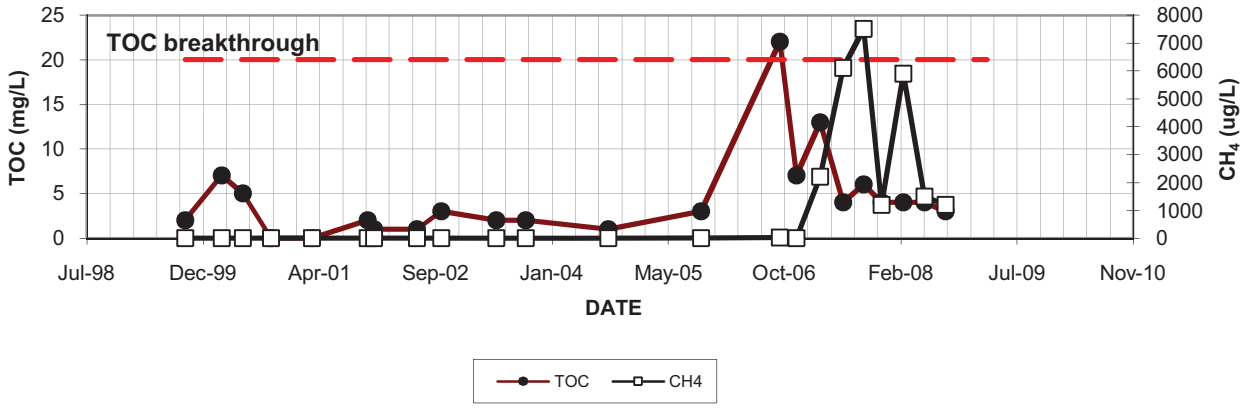
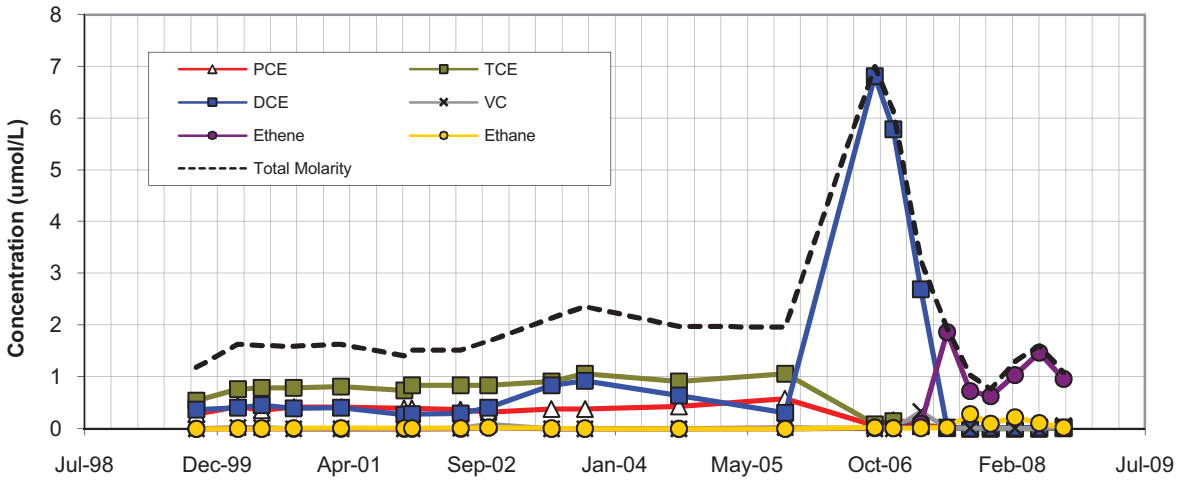


Figure D-8
GM-19S ERD Analysis







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Appendix E

Supporting Documentation for Corrective Action Completion Evaluation for 2008

Supporting Calculations
Table E-1: Source Reduction Factors

Potential Receptors Points	Well ID	Model Location (row, column, layer)	Pumping Rates	Potential Source Areas				
				Landfill 1	Landfill 2	Landfill 3	North Settling Lagoon	South Settling Lagoon
Shallow Treatment Well	TW-2	(215,144,1)	0	1.00E+00	1.47E-03	2.36E-05	4.50E-06	0.00E+00
Dryden North Well	DN-13	(225,117,3-4)	0	1.80E-01	8.24E-02	7.35E-03	8.23E-03	1.80E-02
Dryden South Well	DS-7	(249,118,3)	0	6.73E-01	4.04E-03	1.71E-04	1.29E-04	7.56E-05
Miami Shores Well Field	MS-14 MS-15	(252,75,3-5) (245,79,3-5)	0	2.02E-01	1.39E-01	3.94E-02	5.77E-02	1.87E-01
	MS-16 MS-17	(246,70,3-5) (250,66,3-5)	0	6.02E-02	1.51E-01	7.61E-02	1.19E-01	3.05E-01
	MS-18 MS-19 MS-20	(254,62,3-5) (255,70,3-5) (257,63,3-5)	0	1.79E-01	1.17E-01	5.70E-02	8.83E-02	2.15E-01
	MS-21	(256,54,3-5)	0	1.89E-02	1.02E-01	8.42E-02	1.34E-01	3.15E-01
	MS-22	(257,49,3-5)	0	4.41E-03	6.22E-02	7.08E-02	1.15E-01	2.63E-01
Moraine Assembly Production Wells	11B	(116,224,3)	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	12A	(108,226,3)	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Moraine Engine Well 28	28	(58,80,3)	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Moraine Engine Plant	31	(86,210,3)	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	39	(40,81,3)	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Harrison Production Wells	44	(29,70,3)	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	42	(54,59,3)	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	45	(74,56,3)	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
West Carrollton Well Field	WC-1	(282,27,3-5)	259	8.44E-06	2.65E-03	7.60E-03	1.14E-02	5.51E-03
	WC-3	(280,31,3-5)	259	1.51E-04	1.00E-02	2.19E-02	3.44E-02	4.00E-02
	WC-4	(281,29,3-5)	259	5.12E-05	6.01E-03	1.45E-02	1.03E-02	1.90E-02
Miami River [1]	--	--	--	6.76E-07	2.74E-04	1.02E-03	1.47E-03	4.25E-04

Notes:

1. Source reduction factors reflect updated groundwater model results generated using current site pumping conditions without interim measures pumping (Pumping Scenario 1a, ARCADIS 2008a)
2. Shadded cells indicate those potential receptor wells which are not pumping in pumping Scenario 1a (i.e., current conditions without interim measures pumping).
3. Dilution factors reported for the Miami River are mass loading factors to the river [$^{lb/day}/_{mg/L}$]

Supporting Calculations
Table E-2: Source Concentrations for In-Place Waste Management Units
(Based on all 2008 sampling data)

SWMU	TCL/TAL Group	Constituent	CASRN	Maximum Downgradient Ground Water Concentration (mg/L)
Landfill L1	VOC	1,1,1-Trichloroethane	71-55-6	**0.**
Landfill L1	VOC	1,1-Dichloroethane	75-34-3	**0.0056**
Landfill L1	VOC	1,1-Dichloroethene	75-35-4	**0.**
Landfill L1	VOC	1,2-Dichloroethene (total)	540-59-0	**0.**
Landfill L1	VOC	2-Butanone	78-93-3	**0.**
Landfill L1	VOC	Acetone	67-64-1	**0.**
Landfill L1	VOC	Benzene	71-43-2	**0.0012**
Landfill L1	VOC	Carbon Disulfide	75-15-0	**0.**
Landfill L1	VOC	Chlorobenzene	108-90-7	**0.**
Landfill L1	VOC	Chloroethane	75-00-3	**0.0542**
Landfill L1	VOC	Chloroform	67-66-3	**0.**
Landfill L1	VOC	cis-1,2-Dichloroethene	156-59-2	**0.0067**
Landfill L1	VOC	Ethyl Benzene	100-41-4	**0.0005**
Landfill L1	VOC	Styrene	100-42-5	**0.**
Landfill L1	VOC	Tetrachloroethene	127-18-4	**0.0013**
Landfill L1	VOC	Toluene	108-88-3	**0.**
Landfill L1	VOC	trans-1,2-Dichloroethene	156-60-5	**0.0013**
Landfill L1	VOC	Trichloroethene	79-01-6	**0.0024**
Landfill L1	VOC	Trichlorofluoromethane	75-69-4	**0.**
Landfill L1	VOC	Vinyl Chloride	75-01-4	**0.0021**
Landfill L1	VOC	Xylenes (total)	1330-20-7	**0.**
Landfill L1	SVOC	1,2-Dichlorobenzene	95-50-1	**0.**
Landfill L1	SVOC	2-Methylnaphthalene	91-57-6	**0.**
Landfill L1	SVOC	Benzo(a)anthracene	56-55-3	**0.**
Landfill L1	SVOC	Benzo(a)pyrene	50-32-8	**0.**
Landfill L1	SVOC	Benzo(b)fluoranthene	205-99-2	**0.**
Landfill L1	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	**0.**
Landfill L1	SVOC	Butylbenzylphthalate	85-68-7	**0.**
Landfill L1	SVOC	Chrysene	218-01-9	**0.**
Landfill L1	SVOC	Di-n-butylphthalate	84-74-2	**0.**
Landfill L1	SVOC	Fluoranthene	206-44-0	**0.**
Landfill L1	SVOC	Fluorene	86-73-7	**0.**
Landfill L1	SVOC	Naphthalene	91-20-3	**0.**
Landfill L1	SVOC	Phenanthrene	85-01-8	**0.**
Landfill L1	SVOC	Pyrene	129-00-0	**0.**
Landfill L1	P/PCB	Aroclor-1242	53469-21-9	**0.**
Landfill L1	P/PCB	Aroclor-1254	11097-69-1	**0.**
Landfill L1	P/PCB	Aroclor-1260	11096-82-5	**0.**
Landfill L1	INORG	Antimony	7440-36-0	**0.**
Landfill L1	INORG	Arsenic	7440-38-2	**0.022**
Landfill L1	INORG	Barium	7440-39-3	**0.49**
Landfill L1	INORG	Beryllium	7440-41-7	**0.**
Landfill L1	INORG	Cadmium	7440-43-9	**0.**
Landfill L1	INORG	Chromium (total)	7440-47-3	**0.0025**
Landfill L1	INORG	Cobalt	7440-48-4	**0.**
Landfill L1	INORG	Copper	7440-50-8	**0.**
Landfill L1	INORG	Cyanide (total)	57-12-5	**0.**
Landfill L1	INORG	Lead	7439-92-1	**0.**
Landfill L1	INORG	Manganese	7439-96-5	**0.7**
Landfill L1	INORG	Mercury	7439-97-6	**0.**
Landfill L1	INORG	Nickel	7440-02-0	**0.0117**
Landfill L1	INORG	Selenium	7782-49-2	**0.**
Landfill L1	INORG	Silver	7440-22-4	**0.**
Landfill L1	INORG	Thallium	7440-28-0	**0.**
Landfill L1	INORG	Vanadium	7440-62-2	**0.**
Landfill L1	INORG	Zinc	7440-66-6	**0.**
Notes:				
Downgradient wells: GM-02, GM-06, 4S				

Supporting Calculations
Table E-2: Source Concentrations for In-Place Waste Management Units
(Based on all 2008 sampling data)

SWMU	TCL/TAL Group	Constituent	CASRN	Maximum Downgradient Ground Water Concentration (mg/L)
Landfill L2	VOC	1,1,1-Trichloroethane	71-55-6	**0.0008**
Landfill L2	VOC	1,1-Dichloroethane	75-34-3	**0.016**
Landfill L2	VOC	1,1-Dichloroethene	75-35-4	**0.0003**
Landfill L2	VOC	1,2-Dichloroethene (total)	540-59-0	**0.**
Landfill L2	VOC	2-Butanone	78-93-3	**0.**
Landfill L2	VOC	Acetone	67-64-1	**0.**
Landfill L2	VOC	Benzene	71-43-2	**0.**
Landfill L2	VOC	Carbon Disulfide	75-15-0	**0.**
Landfill L2	VOC	Chlorobenzene	108-90-7	**0.**
Landfill L2	VOC	Chloroethane	75-00-3	**0.**
Landfill L2	VOC	Chloroform	67-66-3	**0.**
Landfill L2	VOC	cis-1,2-Dichloroethene	156-59-2	**0.017**
Landfill L2	VOC	Ethyl Benzene	100-41-4	**0.**
Landfill L2	VOC	Styrene	100-42-5	**0.**
Landfill L2	VOC	Tetrachloroethene	127-18-4	**0.0004**
Landfill L2	VOC	Toluene	108-88-3	**0.**
Landfill L2	VOC	trans-1,2-Dichloroethene	156-60-5	**0.0016**
Landfill L2	VOC	Trichloroethene	79-01-6	**0.032**
Landfill L2	VOC	Trichlorofluoromethane	75-69-4	**0.**
Landfill L2	VOC	Vinyl Chloride	75-01-4	**0.0022**
Landfill L2	VOC	Xylenes (total)	1330-20-7	**0.**
Landfill L2	SVOC	1,2-Dichlorobenzene	95-50-1	**0.**
Landfill L2	SVOC	2-Methylnaphthalene	91-57-6	**0.**
Landfill L2	SVOC	Benzo(a)anthracene	56-55-3	**0.**
Landfill L2	SVOC	Benzo(a)pyrene	50-32-8	**0.**
Landfill L2	SVOC	Benzo(b)fluoranthene	205-99-2	**0.**
Landfill L2	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	**0.**
Landfill L2	SVOC	Butylbenzylphthalate	85-68-7	**0.**
Landfill L2	SVOC	Chrysene	218-01-9	**0.**
Landfill L2	SVOC	Di-n-butylphthalate	84-74-2	**0.**
Landfill L2	SVOC	Fluoranthene	206-44-0	**0.**
Landfill L2	SVOC	Fluorene	86-73-7	**0.**
Landfill L2	SVOC	Naphthalene	91-20-3	**0.**
Landfill L2	SVOC	Phenanthrene	85-01-8	**0.**
Landfill L2	SVOC	Pyrene	129-00-0	**0.**
Landfill L2	P/PCB	Aroclor-1242	53469-21-9	**0.**
Landfill L2	P/PCB	Aroclor-1254	11097-69-1	**0.**
Landfill L2	P/PCB	Aroclor-1260	11096-82-5	**0.**
Landfill L2	INORG	Antimony	7440-36-0	**0.**
Landfill L2	INORG	Arsenic	7440-38-2	**0.**
Landfill L2	INORG	Barium	7440-39-3	**0.0795**
Landfill L2	INORG	Beryllium	7440-41-7	**0.**
Landfill L2	INORG	Cadmium	7440-43-9	**0.**
Landfill L2	INORG	Chromium (total)	7440-47-3	**0.**
Landfill L2	INORG	Cobalt	7440-48-4	**0.**
Landfill L2	INORG	Copper	7440-50-8	**0.**
Landfill L2	INORG	Cyanide (total)	57-12-5	**0.**
Landfill L2	INORG	Lead	7439-92-1	**0.**
Landfill L2	INORG	Manganese	7439-96-5	**0.211**
Landfill L2	INORG	Mercury	7439-97-6	**0.**
Landfill L2	INORG	Nickel	7440-02-0	**0.0116**
Landfill L2	INORG	Selenium	7782-49-2	**0.**
Landfill L2	INORG	Silver	7440-22-4	**0.**
Landfill L2	INORG	Thallium	7440-28-0	**0.**
Landfill L2	INORG	Vanadium	7440-62-2	**0.**
Landfill L2	INORG	Zinc	7440-66-6	**0.**
Notes:				
Downgradient wells: W-4-N, HR-2, HR-3				

Supporting Calculations
Table E-2: Source Concentrations for In-Place Waste Management Units
(Based on all 2008 sampling data)

SWMU	TCL/TAL Group	Constituent	CASRN	Maximum Downgradient Ground Water Concentration (mg/L)
Landfill L3	VOC	1,1,1-Trichloroethane	71-55-6	**0.0004**
Landfill L3	VOC	1,1-Dichloroethane	75-34-3	**0.0046**
Landfill L3	VOC	1,1-Dichloroethene	75-35-4	**0.**
Landfill L3	VOC	1,2-Dichloroethene (total)	540-59-0	**0.**
Landfill L3	VOC	2-Butanone	78-93-3	**0.**
Landfill L3	VOC	Acetone	67-64-1	**0.**
Landfill L3	VOC	Benzene	71-43-2	**0.**
Landfill L3	VOC	Carbon Disulfide	75-15-0	**0.**
Landfill L3	VOC	Chlorobenzene	108-90-7	**0.**
Landfill L3	VOC	Chloroethane	75-00-3	**0.**
Landfill L3	VOC	Chloroform	67-66-3	**0.**
Landfill L3	VOC	cis-1,2-Dichloroethene	156-59-2	**0.011**
Landfill L3	VOC	Ethyl Benzene	100-41-4	**0.**
Landfill L3	VOC	Styrene	100-42-5	**0.**
Landfill L3	VOC	Tetrachloroethene	127-18-4	**0.0004**
Landfill L3	VOC	Toluene	108-88-3	**0.**
Landfill L3	VOC	trans-1,2-Dichloroethene	156-60-5	**0.0009**
Landfill L3	VOC	Trichloroethene	79-01-6	**0.0084**
Landfill L3	VOC	Trichlorofluoromethane	75-69-4	**0.**
Landfill L3	VOC	Vinyl Chloride	75-01-4	**0.0003**
Landfill L3	VOC	Xylenes (total)	1330-20-7	**0.**
Landfill L3	SVOC	1,2-Dichlorobenzene	95-50-1	**0.**
Landfill L3	SVOC	2-Methylnaphthalene	91-57-6	**0.**
Landfill L3	SVOC	Benzo(a)anthracene	56-55-3	**0.**
Landfill L3	SVOC	Benzo(a)pyrene	50-32-8	**0.**
Landfill L3	SVOC	Benzo(b)fluoranthene	205-99-2	**0.**
Landfill L3	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	**0.**
Landfill L3	SVOC	Butylbenzylphthalate	85-68-7	**0.**
Landfill L3	SVOC	Chrysene	218-01-9	**0.**
Landfill L3	SVOC	Di-n-butylphthalate	84-74-2	**0.**
Landfill L3	SVOC	Fluoranthene	206-44-0	**0.**
Landfill L3	SVOC	Fluorene	86-73-7	**0.**
Landfill L3	SVOC	Naphthalene	91-20-3	**0.**
Landfill L3	SVOC	Phenanthrene	85-01-8	**0.**
Landfill L3	SVOC	Pyrene	129-00-0	**0.**
Landfill L3	P/PCB	Aroclor-1242	53469-21-9	**0.**
Landfill L3	P/PCB	Aroclor-1254	11097-69-1	**0.**
Landfill L3	P/PCB	Aroclor-1260	11096-82-5	**0.**
Landfill L3	INORG	Antimony	7440-36-0	**0.**
Landfill L3	INORG	Arsenic	7440-38-2	**0.**
Landfill L3	INORG	Barium	7440-39-3	**0.0675**
Landfill L3	INORG	Beryllium	7440-41-7	**0.**
Landfill L3	INORG	Cadmium	7440-43-9	**0.**
Landfill L3	INORG	Chromium (total)	7440-47-3	**0.**
Landfill L3	INORG	Cobalt	7440-48-4	**0.**
Landfill L3	INORG	Copper	7440-50-8	**0.**
Landfill L3	INORG	Cyanide (total)	57-12-5	**0.**
Landfill L3	INORG	Lead	7439-92-1	**0.**
Landfill L3	INORG	Manganese	7439-96-5	**0.**
Landfill L3	INORG	Mercury	7439-97-6	**0.**
Landfill L3	INORG	Nickel	7440-02-0	**0.0116**
Landfill L3	INORG	Selenium	7782-49-2	**0.**
Landfill L3	INORG	Silver	7440-22-4	**0.**
Landfill L3	INORG	Thallium	7440-28-0	**0.**
Landfill L3	INORG	Vanadium	7440-62-2	**0.**
Landfill L3	INORG	Zinc	7440-66-6	**0.**
Notes:				
Downgradient wells: W-4-N, HR-2, HR-4				

Supporting Calculations
Table E-2: Source Concentrations for In-Place Waste Management Units
(Based on all 2008 sampling data)

SWMU	TCL/TAL Group	Constituent	CASRN	Maximum Downgradient Ground Water Concentration (mg/L)
North Settling Lagoon	VOC	1,1,1-Trichloroethane	71-55-6	**0.**
North Settling Lagoon	VOC	1,1-Dichloroethane	75-34-3	**0.**
North Settling Lagoon	VOC	1,1-Dichloroethene	75-35-4	**0.**
North Settling Lagoon	VOC	1,2-Dichloroethene (total)	540-59-0	**0.**
North Settling Lagoon	VOC	2-Butanone	78-93-3	**0.**
North Settling Lagoon	VOC	Acetone	67-64-1	**0.**
North Settling Lagoon	VOC	Benzene	71-43-2	**0.**
North Settling Lagoon	VOC	Carbon Disulfide	75-15-0	**0.**
North Settling Lagoon	VOC	Chlorobenzene	108-90-7	**0.**
North Settling Lagoon	VOC	Chloroethane	75-00-3	**0.**
North Settling Lagoon	VOC	Chloroform	67-66-3	**0.**
North Settling Lagoon	VOC	cis-1,2-Dichloroethene	156-59-2	**0.098**
North Settling Lagoon	VOC	Ethyl Benzene	100-41-4	**0.**
North Settling Lagoon	VOC	Styrene	100-42-5	**0.**
North Settling Lagoon	VOC	Tetrachloroethene	127-18-4	**0.0004**
North Settling Lagoon	VOC	Toluene	108-88-3	**0.**
North Settling Lagoon	VOC	trans-1,2-Dichloroethene	156-60-5	**0.0014**
North Settling Lagoon	VOC	Trichloroethene	79-01-6	**0.0084**
North Settling Lagoon	VOC	Trichlorofluoromethane	75-69-4	**0.**
North Settling Lagoon	VOC	Vinyl Chloride	75-01-4	**0.0038**
North Settling Lagoon	VOC	Xylenes (total)	1330-20-7	**0.**
North Settling Lagoon	SVOC	1,2-Dichlorobenzene	95-50-1	**0.**
North Settling Lagoon	SVOC	2-Methylnaphthalene	91-57-6	**0.**
North Settling Lagoon	SVOC	Benzo(a)anthracene	56-55-3	**0.**
North Settling Lagoon	SVOC	Benzo(a)pyrene	50-32-8	**0.**
North Settling Lagoon	SVOC	Benzo(b)fluoranthene	205-99-2	**0.**
North Settling Lagoon	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	**0.**
North Settling Lagoon	SVOC	Butylbenzylphthalate	85-68-7	**0.**
North Settling Lagoon	SVOC	Chrysene	218-01-9	**0.**
North Settling Lagoon	SVOC	Di-n-butylphthalate	84-74-2	**0.**
North Settling Lagoon	SVOC	Fluoranthene	206-44-0	**0.**
North Settling Lagoon	SVOC	Fluorene	86-73-7	**0.**
North Settling Lagoon	SVOC	Naphthalene	91-20-3	**0.**
North Settling Lagoon	SVOC	Phenanthrene	85-01-8	**0.**
North Settling Lagoon	SVOC	Pyrene	129-00-0	**0.**
North Settling Lagoon	P/PCB	Aroclor-1242	53469-21-9	**0.**
North Settling Lagoon	P/PCB	Aroclor-1254	11097-69-1	**0.**
North Settling Lagoon	P/PCB	Aroclor-1260	11096-82-5	**0.**
North Settling Lagoon	INORG	Antimony	7440-36-0	**0.**
North Settling Lagoon	INORG	Arsenic	7440-38-2	**0.0074**
North Settling Lagoon	INORG	Barium	7440-39-3	**0.0986**
North Settling Lagoon	INORG	Beryllium	7440-41-7	**0.**
North Settling Lagoon	INORG	Cadmium	7440-43-9	**0.**
North Settling Lagoon	INORG	Chromium (total)	7440-47-3	**0.**
North Settling Lagoon	INORG	Cobalt	7440-48-4	**0.**
North Settling Lagoon	INORG	Copper	7440-50-8	**0.0055**
North Settling Lagoon	INORG	Cyanide (total)	57-12-5	**0.**
North Settling Lagoon	INORG	Lead	7439-92-1	**0.001**
North Settling Lagoon	INORG	Manganese	7439-96-5	**0.**
North Settling Lagoon	INORG	Mercury	7439-97-6	**0.**
North Settling Lagoon	INORG	Nickel	7440-02-0	**0.0116**
North Settling Lagoon	INORG	Selenium	7782-49-2	**0.**
North Settling Lagoon	INORG	Silver	7440-22-4	**0.**
North Settling Lagoon	INORG	Thallium	7440-28-0	**0.**
North Settling Lagoon	INORG	Vanadium	7440-62-2	**0.**
North Settling Lagoon	INORG	Zinc	7440-66-6	**0.**
Notes:				
Downgradient wells: W-2-N, W-3-N, W-4-N				

Supporting Calculations
Table E-2: Source Concentrations for In-Place Waste Management Units
(Based on all 2008 sampling data)

SWMU	TCL/TAL Group	Constituent	CASRN	Maximum Downgradient Ground Water Concentration (mg/L)
South Settling Lagoon	VOC	1,1,1-Trichloroethane	71-55-6	**0.**
South Settling Lagoon	VOC	1,1-Dichloroethane	75-34-3	**0.**
South Settling Lagoon	VOC	1,1-Dichloroethene	75-35-4	**0.**
South Settling Lagoon	VOC	1,2-Dichloroethene (total)	540-59-0	**0.**
South Settling Lagoon	VOC	2-Butanone	78-93-3	**0.**
South Settling Lagoon	VOC	Acetone	67-64-1	**0.**
South Settling Lagoon	VOC	Benzene	71-43-2	**0.**
South Settling Lagoon	VOC	Carbon Disulfide	75-15-0	**0.**
South Settling Lagoon	VOC	Chlorobenzene	108-90-7	**0.**
South Settling Lagoon	VOC	Chloroethane	75-00-3	**0.**
South Settling Lagoon	VOC	Chloroform	67-66-3	**0.**
South Settling Lagoon	VOC	cis-1,2-Dichloroethene	156-59-2	**0.0066**
South Settling Lagoon	VOC	Ethyl Benzene	100-41-4	**0.**
South Settling Lagoon	VOC	Styrene	100-42-5	**0.**
South Settling Lagoon	VOC	Tetrachloroethene	127-18-4	**0.**
South Settling Lagoon	VOC	Toluene	108-88-3	**0.**
South Settling Lagoon	VOC	trans-1,2-Dichloroethene	156-60-5	**0.**
South Settling Lagoon	VOC	Trichloroethene	79-01-6	**0.**
South Settling Lagoon	VOC	Trichlorofluoromethane	75-69-4	**0.0031**
South Settling Lagoon	VOC	Vinyl Chloride	75-01-4	**0.**
South Settling Lagoon	VOC	Xylenes (total)	1330-20-7	**0.**
South Settling Lagoon	SVOC	1,2-Dichlorobenzene	95-50-1	**0.**
South Settling Lagoon	SVOC	2-Methylnaphthalene	91-57-6	**0.**
South Settling Lagoon	SVOC	Benzo(a)anthracene	56-55-3	**0.**
South Settling Lagoon	SVOC	Benzo(a)pyrene	50-32-8	**0.**
South Settling Lagoon	SVOC	Benzo(b)fluoranthene	205-99-2	**0.**
South Settling Lagoon	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	**0.**
South Settling Lagoon	SVOC	Butylbenzylphthalate	85-68-7	**0.**
South Settling Lagoon	SVOC	Chrysene	218-01-9	**0.**
South Settling Lagoon	SVOC	Di-n-butylphthalate	84-74-2	**0.**
South Settling Lagoon	SVOC	Fluoranthene	206-44-0	**0.**
South Settling Lagoon	SVOC	Fluorene	86-73-7	**0.**
South Settling Lagoon	SVOC	Naphthalene	91-20-3	**0.**
South Settling Lagoon	SVOC	Phenanthrene	85-01-8	**0.**
South Settling Lagoon	SVOC	Pyrene	129-00-0	**0.**
South Settling Lagoon	P/PCB	Aroclor-1242	53469-21-9	**0.**
South Settling Lagoon	P/PCB	Aroclor-1254	11097-69-1	**0.**
South Settling Lagoon	P/PCB	Aroclor-1260	11096-82-5	**0.**
South Settling Lagoon	INORG	Antimony	7440-36-0	**0.**
South Settling Lagoon	INORG	Arsenic	7440-38-2	**0.**
South Settling Lagoon	INORG	Barium	7440-39-3	**0.176**
South Settling Lagoon	INORG	Beryllium	7440-41-7	**0.**
South Settling Lagoon	INORG	Cadmium	7440-43-9	**0.**
South Settling Lagoon	INORG	Chromium (total)	7440-47-3	**0.0035**
South Settling Lagoon	INORG	Cobalt	7440-48-4	**0.0144**
South Settling Lagoon	INORG	Copper	7440-50-8	**0.**
South Settling Lagoon	INORG	Cyanide (total)	57-12-5	**0.**
South Settling Lagoon	INORG	Lead	7439-92-1	**0.**
South Settling Lagoon	INORG	Manganese	7439-96-5	**0.115**
South Settling Lagoon	INORG	Mercury	7439-97-6	**0.**
South Settling Lagoon	INORG	Nickel	7440-02-0	**0.0067**
South Settling Lagoon	INORG	Selenium	7782-49-2	**0.**
South Settling Lagoon	INORG	Silver	7440-22-4	**0.**
South Settling Lagoon	INORG	Thallium	7440-28-0	**0.**
South Settling Lagoon	INORG	Vanadium	7440-62-2	**0.**
South Settling Lagoon	INORG	Zinc	7440-66-6	**0.**
Notes:				
Downgradient wells: W-2-S, W-3-S, W-4-S				

Supporting Calculations
Table E-3a: Estimated Contributions to Ground Water Concentrations (mg/L) at West Carrollton Receptor Point (Pumping Scenario 1a)

TCL/TAL Group	Constituent	CASRN	Landfill L1	Landfill L2	Landfill L3	N Settling Lagoon	S Settling Lagoon	Total	Criteria	Flag
VOC	1,1,1-Trichloroethane	71-55-6		5.22E-06	5.72E-06			0.0001	0.2	
VOC	1,1-Dichloroethane	75-34-3	3.93E-07	9.95E-05	6.75E-05			0.0002	3.65	
VOC	1,1-Dichloroethene	75-35-4		1.68E-06				0.	0.007	
VOC	1,2-Dichloroethene (total)	540-59-0						0.	0.07	
VOC	2-Butanone	78-93-3						0.0001	21.9	
VOC	Acetone	67-64-1						0.	32.85	
VOC	Benzene	71-43-2	8.43E-08					0.	0.005	
VOC	Carbon Disulfide	75-15-0						0.	3.65	
VOC	Chlorobenzene	108-90-7						0.	0.1	
VOC	Chloroethane	75-00-3	3.81E-06					0.	14.6	
VOC	Chloroform	67-66-3						0.	0.08	
VOC	cis-1,2-Dichloroethene	156-59-2	4.70E-07	1.06E-04	1.61E-04	1.83E-03	1.41E-04	0.003	0.07	
VOC	Ethyl Benzene	100-41-4	3.65E-08					0.	0.7	
VOC	Styrene	100-42-5						0.	0.1	
VOC	Tetrachloroethene	127-18-4	9.13E-08	2.36E-06	6.45E-06	7.11E-06		0.0002	0.005	
VOC	Toluene	108-88-3						0.	1.	
VOC	trans-1,2-Dichloroethene	156-60-5	9.13E-08	9.95E-06	1.35E-05	2.62E-05		0.0001	0.1	
VOC	Trichloroethene	79-01-6	1.69E-07	1.99E-04	1.23E-04	1.57E-04		0.0007	0.005	
VOC	Trichlorofluoromethane	75-69-4					6.67E-05	0.0001	10.95	
VOC	Vinyl Chloride	75-01-4	1.47E-07	1.37E-05	4.99E-06	7.11E-05		0.0002	0.002	
VOC	Xylenes (total)	1330-20-7						0.	10.	
SVOC	1,2-Dichlorobenzene	95-50-1						0.	0.6	
SVOC	2-Methylnaphthalene	91-57-6						0.	0.73	
SVOC	Benzo(a)anthracene	56-55-3						0.	0.0009	
SVOC	Benzo(a)pyrene	50-32-8						0.	0.0002	
SVOC	Benzo(b)fluoranthene	205-99-2						0.	0.0009	
SVOC	bis(2-Ethylhexyl)phthalate	117-81-7						0.	0.006	
SVOC	Butylbenzylphthalate	85-68-7						0.	7.3	
SVOC	Chrysene	218-01-9						0.	0.0921	
SVOC	Di-n-butylphthalate	84-74-2						0.	3.7	
SVOC	Fluoranthene	206-44-0						0.0001	1.46	
SVOC	Fluorene	86-73-7						0.0001	1.46	
SVOC	Naphthalene	91-20-3						0.0002	0.73	
SVOC	Phenanthrene	85-01-8						0.0007	1.095	
SVOC	Pyrene	129-00-0						0.	1.095	
P/PCB	Aroclor-1242	53469-21-9						0.	0.0005	
P/PCB	Aroclor-1254	11097-69-1						0.	0.0005	
P/PCB	Aroclor-1260	11096-82-5						0.	0.0005	
INORG	Antimony	7440-36-0						0.0001	0.006	
INORG	Arsenic	7440-38-2	1.54E-06			1.38E-04		0.0002	0.01	
INORG	Barium	7440-39-3	3.44E-05	4.94E-04	9.90E-04	1.84E-03	3.78E-03	0.0073	2.	
INORG	Beryllium	7440-41-7						0.	0.004	
INORG	Cadmium	7440-43-9						0.	0.005	
INORG	Chromium (total)	7440-47-3	1.76E-07				7.53E-05	0.0004	0.1	
INORG	Cobalt	7440-48-4					3.10E-04	0.0005	0.73	
INORG	Copper	7440-50-8				1.03E-04		0.0001	1.3	
INORG	Cyanide (total)	57-12-5						0.	0.2	
INORG	Lead	7439-92-1				1.87E-05		0.0001	0.015	
INORG	Manganese	7439-96-5	4.91E-05	1.31E-03			2.47E-03	0.0147	0.876	
INORG	Mercury	7439-97-6						0.	0.002	
INORG	Nickel	7440-02-0	8.21E-07	7.22E-05	1.70E-04	2.17E-04	1.44E-04	0.0007	0.73	
INORG	Selenium	7782-49-2						0.0001	0.05	
INORG	Silver	7440-22-4						0.0001	0.1825	
INORG	Thallium	7440-28-0						0.	0.002	
INORG	Vanadium	7440-62-2						0.	0.0365	
INORG	Zinc	7440-66-6						0.0024	10.95	

Supporting Calculations
Table E-3b: Estimated Contributions to Ground Water Concentrations (mg/L) at Great Miami River Receptor Point (Pumping Scenario 1a)

TCL/TAL Group	Constituent	CASRN	Landfill L1	Landfill L2	Landfill L3	N Settling Lagoon	S Settling Lagoon	Total	Criteria	Flag
VOC	1,1,1-Trichloroethane	71-55-6		1.74E-11	3.01E-11			0.	0.2	
VOC	1,1-Dichloroethane	75-34-3	2.86E-13	3.31E-10	3.54E-10			0.	3.65	
VOC	1,1-Dichloroethene	75-35-4		5.59E-12				0.	0.007	
VOC	1,2-Dichloroethene (total)	540-59-0						0.	0.07	
VOC	2-Butanone	78-93-3						0.	21.9	
VOC	Acetone	67-64-1						0.	32.85	
VOC	Benzene	71-43-2	6.13E-14					0.	0.005	
VOC	Carbon Disulfide	75-15-0						0.	3.65	
VOC	Chlorobenzene	108-90-7						0.	0.1	
VOC	Chloroethane	75-00-3	2.77E-12					0.	14.6	
VOC	Chloroform	67-66-3						0.	0.08	
VOC	cis-1,2-Dichloroethene	156-59-2	3.42E-13	3.52E-10	8.48E-10	1.09E-08	2.10E-10	0.	0.07	
VOC	Ethyl Benzene	100-41-4	2.66E-14					0.	0.7	
VOC	Styrene	100-42-5						0.	0.1	
VOC	Tetrachloroethene	127-18-4	6.64E-14	7.87E-12	3.39E-11	4.22E-11		0.	0.005	
VOC	Toluene	108-88-3						0.	1.	
VOC	trans-1,2-Dichloroethene	156-60-5	6.64E-14	3.31E-11	7.09E-11	1.55E-10		0.	0.1	
VOC	Trichloroethene	79-01-6	1.23E-13	6.62E-10	6.47E-10	9.33E-10		0.	0.005	
VOC	Trichlorofluoromethane	75-69-4					9.95E-11	0.	10.95	
VOC	Vinyl Chloride	75-01-4	1.07E-13	4.55E-11	2.62E-11	4.22E-10		0.	0.002	
VOC	Xylenes (total)	1330-20-7						0.	10.	
SVOC	1,2-Dichlorobenzene	95-50-1						0.	0.6	
SVOC	2-Methylnaphthalene	91-57-6						0.	0.73	
SVOC	Benzo(a)anthracene	56-55-3						0.	0.0009	
SVOC	Benzo(a)pyrene	50-32-8						0.	0.0002	
SVOC	Benzo(b)fluoranthene	205-99-2						0.	0.0009	
SVOC	bis(2-Ethylhexyl)phthalate	117-81-7						0.	0.006	
SVOC	Butylbenzylphthalate	85-68-7						0.	7.3	
SVOC	Chrysene	218-01-9						0.	0.0921	
SVOC	Di-n-butylphthalate	84-74-2						0.	3.7	
SVOC	Fluoranthene	206-44-0						0.	1.46	
SVOC	Fluorene	86-73-7						0.	1.46	
SVOC	Naphthalene	91-20-3						0.	0.73	
SVOC	Phenanthrene	85-01-8						0.	1.095	
SVOC	Pyrene	129-00-0						0.	1.095	
P/PCB	Aroclor-1242	53469-21-9						0.	0.0005	
P/PCB	Aroclor-1254	11097-69-1						0.	0.0005	
P/PCB	Aroclor-1260	11096-82-5						0.	0.0005	
INORG	Antimony	7440-36-0						0.	0.006	
INORG	Arsenic	7440-38-2	1.12E-12			8.22E-10		0.	0.01	
INORG	Barium	7440-39-3	2.50E-11	1.65E-09	5.20E-09	1.10E-08	5.65E-09	0.	2.	
INORG	Beryllium	7440-41-7						0.	0.004	
INORG	Cadmium	7440-43-9						0.	0.005	
INORG	Chromium (total)	7440-47-3	1.28E-13				1.12E-10	0.	0.1	
INORG	Cobalt	7440-48-4					4.62E-10	0.	0.73	
INORG	Copper	7440-50-8				6.11E-10		0.	1.3	
INORG	Cyanide (total)	57-12-5						0.	0.2	
INORG	Lead	7439-92-1				1.11E-10		0.	0.015	
INORG	Manganese	7439-96-5	3.58E-11	4.37E-09			3.69E-09	0.	0.876	
INORG	Mercury	7439-97-6						0.	0.002	
INORG	Nickel	7440-02-0	5.98E-13	2.40E-10	8.94E-10	1.29E-09	2.15E-10	0.	0.73	
INORG	Selenium	7782-49-2						0.	0.05	
INORG	Silver	7440-22-4						0.	0.1825	
INORG	Thallium	7440-28-0						0.	0.002	
INORG	Vanadium	7440-62-2						0.	0.0365	
INORG	Zinc	7440-66-6						0.	10.95	

TABLE E-4: Preliminary Remediation Target Levels (Updated February 2009)

Remediation Target Levels (mg/L) - Upper Aquifer

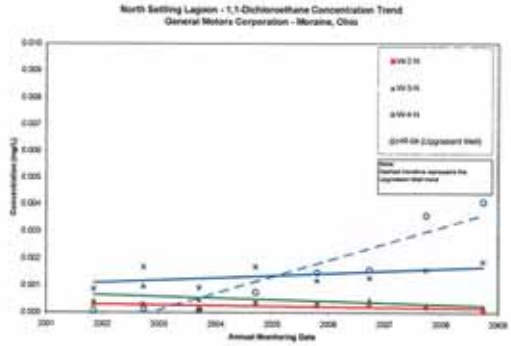
			Constituent of Concern					
Point of Compliance	***GM-26***		***PCE***	***TCE***	***1,1-DCE***	***cis-1,2-DCE***	***Vinyl Chloride***	**monitoring wells**
Allowable POC Concentration (mg/L):			***0.005***	***0.005***	***0.007***	***0.070***	***0.002***	
Estimated Remediation Target Level at AOI 7 (mg/L):			***0.500***	***0.500***	***0.700***	***7.000***	***0.200***	GM-23, GM-29 and GM-30
Distance from AOI 7 (monitoring zone)	**Source Reduction Factor[1]**	**Normalized Remediation Target**	**Remediation Target (mg/L)**	**Remediation Target (mg/L)**	**Remediation Target (mg/L)**	**Remediation Target (mg/L)**	**Remediation Target (mg/L)**	
140 ft (Zone S1)	0.90	90	0.450	0.450	0.630	6.300	0.180	GM-28
1190 ft (Zone S1 to Zone S2)	0.19	19	0.095	0.095	0.133	1.330	0.038	GM-28, ME-6
2240 ft (Zone S2)	0.10	10	0.050	0.050	0.070	0.700	0.020	ME-6, ME-3, GM-31
2940 ft (Zone S2 to Zone S3)	0.09	9	0.045	0.045	0.063	0.630	0.018	ME-6, ME-3, GM-31, GM-22, GM-19S, and EAST
3640 ft (Zone S3)	0.07	7	0.035	0.035	0.049	0.490	0.014	GM-32, GM-21, W-4-S, GM-63, and GM-64
4430 ft (Zone S3 to GM-10)	0.05	5	0.025	0.025	0.035	0.350	0.010	GM-47, GM-50, GM-51, GM-63, GM-64, GM-32, GM-21, GM-8, GM-6, 4S, GM-2, GM-16, GM-17, GM-18, WSU-24, W-4-S, and GM-10
5215 ft (GM-10/GM-52)	0.04	4	0.020	0.020	0.028	0.280	0.008	GM-10 and GM-52
6370 ft (POC)	0.01	1	0.005	0.005	0.007	0.070	0.002	GM-26

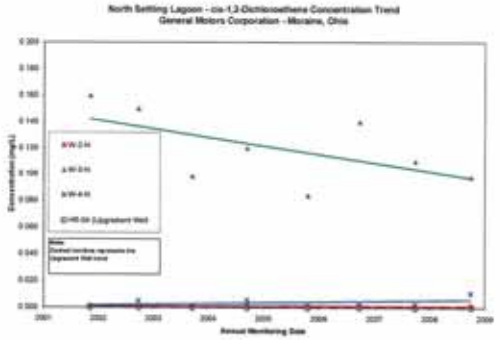
Remediation Target Level (mg/L) - Lower Aquifer

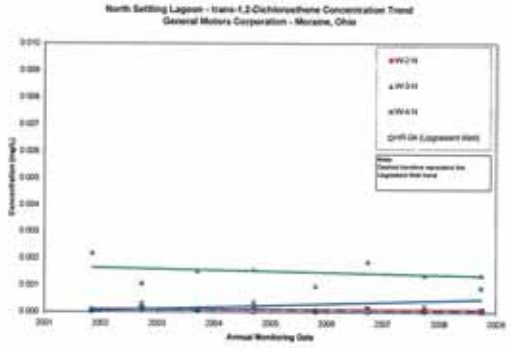
			Constituent of Concern					
Point of Compliance	***GM-11, GM-15 and GM-20D***		***PCE***	***TCE***	***1,1-DCE***	***cis-1,2-DCE***	***Vinyl Chloride***	**monitoring wells**
Allowable POC Concentration (mg/L):			***0.005***	***0.005***	***0.007***	***0.070***	***0.002***	
Estimated Remediation Target Level at AOI 7 (mg/L):			***0.167***	***0.167***	***0.233***	***2.333***	***0.067***	GM-23, GM-29 and GM-30
Distance from AOI 7 (monitoring zone)	**Source Reduction Factor[1]**	**Normalized Remediation Target**	**Remediation Target (mg/L)**	**Remediation Target (mg/L)**	**Remediation Target (mg/L)**	**Remediation Target (mg/L)**	**Remediation Target (mg/L)**	
2000 ft (GM-40/41/54)	0.26	8.7	0.043	0.043	0.061	0.607	0.017	GM-40, GM-41, and GM-52
2900 ft (Well GM-42)	0.14	4.7	0.023	0.023	0.033	0.327	0.009	GM-42 (replaces Well 32)
3600 ft (Well GM-19D)	0.09	3.0	0.015	0.015	0.021	0.210	0.006	GM-19D
4250 ft (Zone D2)	0.055	1.8	0.009	0.009	0.013	0.128	0.004	GM-1 and GM-3
4900 ft (POC)	0.03	1.0	0.005	0.005	0.007	0.070	0.002	GM-11, GM-15 and GM-20D

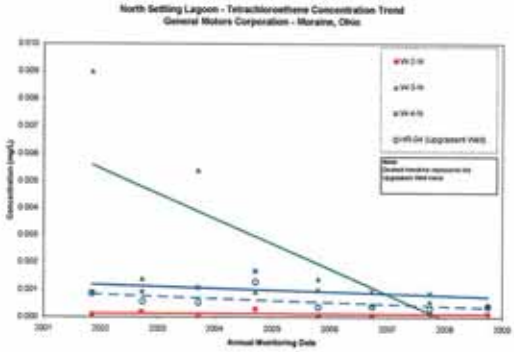
Note
1. Source Reduction Factors reflect updated groundwater model results generated using current site conditions without interim measures pumping (ARCADIS 2008a

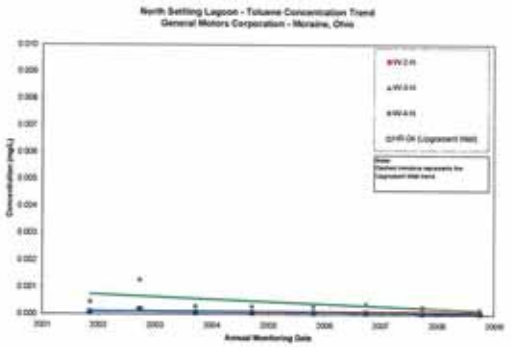
Figure E-1:
North Settling Lagoon

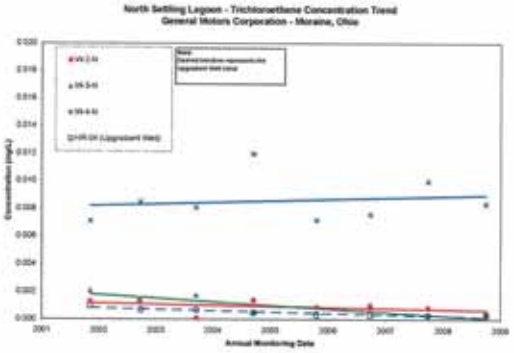


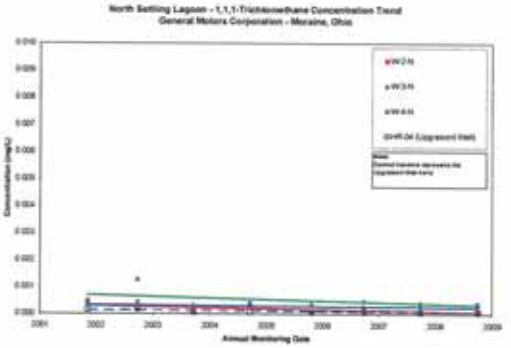












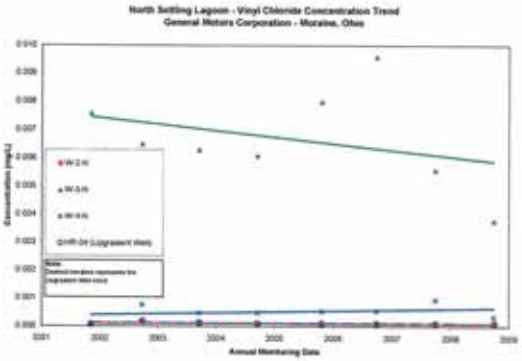
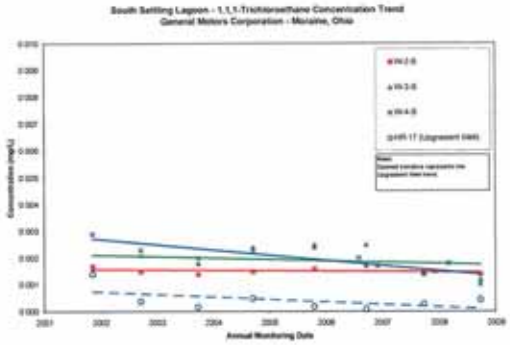
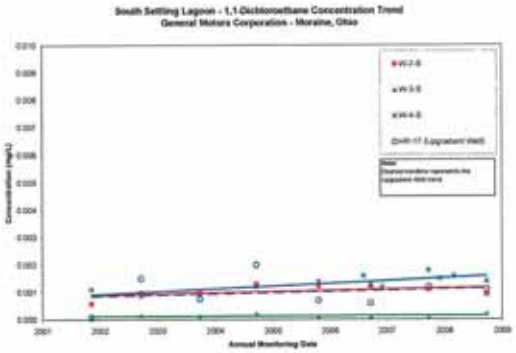
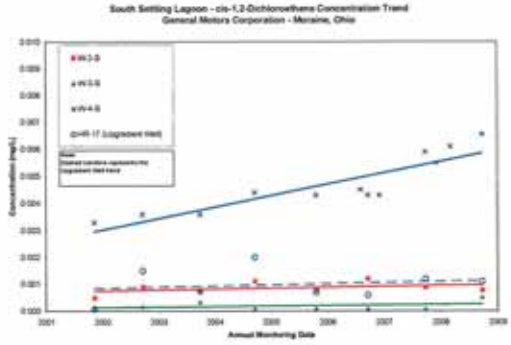
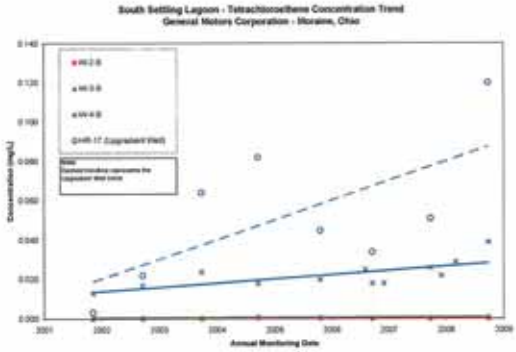


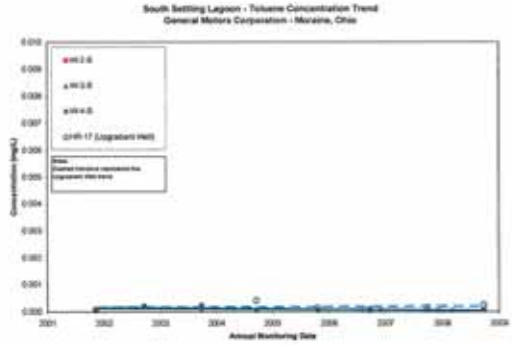
Figure E-2:
South Settling Lagoon

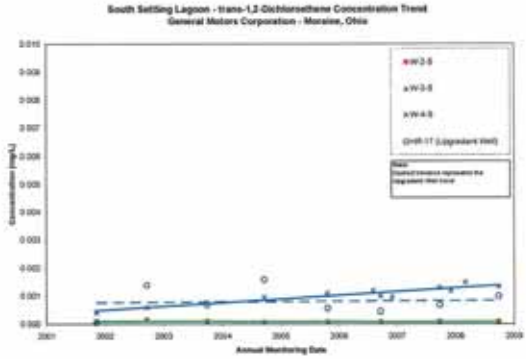


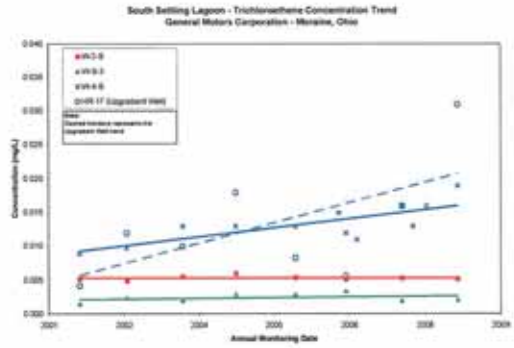


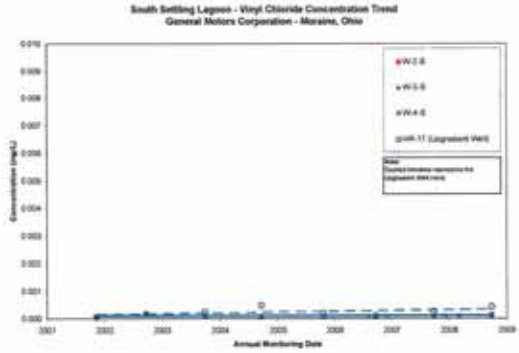












APPENDIX I

2008 Corrective Measures Proposal

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2006\SH-DP-06.dwg LAYOUT: SITE LAYOUT SAVED: 8/22/2006 2:33 PM ACADVER: 17.05 (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ACAD.CTB PLOTTED: 8/22/2006 2:45 PM BY: SMITH, BOB

XREFS: PROJECTNAME: ----
OH294BASE MAP 2006

LEGEND

PROPERTY BOUNDARY

RIVER LEVEE

0 200 1000ft

GENERAL MOTORS CORPORATION
MORAINE, OHIO
OH000294.0012

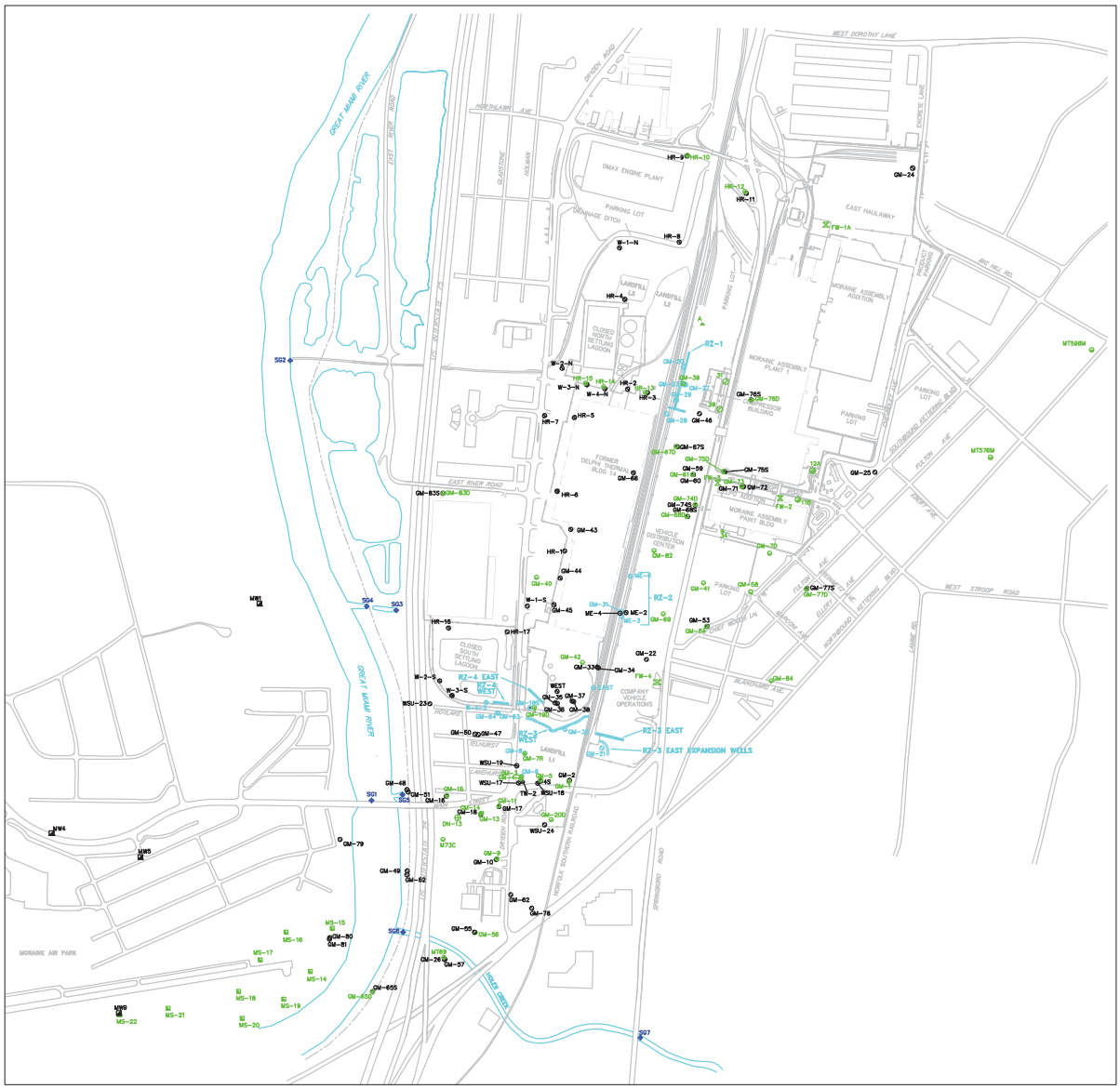
SITE LAYOUT

ARCADIS

FIGURE
1

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: UP-LOWER-WELLS FIG 2 SAVED: 8/22/2008 1:51 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ACAD.CTB PLOTTED: 8/22/2008 1:53 PM BY: SMITH, BOB

XREFS: PROJECTNAME: ----
OH294BASE MAP 2008



LEGEND

- MONITORING WELL (UPPER AQUIFER)
- RECOVERY WELL (TW-2)
- MONITORING WELL (LOWER AQUIFER)
- CARBON SOURCE INTRODUCTION WELLS, REACTIVE ZONES (RZ-1, RZ-3, AND RZ-4)
- WELL USED FOR PERFORMANCE MONITORING
- FIRE WELL
- PRODUCTION WELL CONVERTED TO MONITORING WELL (31, 39)
- INACTIVE PRODUCTION WELL (31, 39)
- ACTIVE PRODUCTION WELL (11B, 12A)
- MONTGOMERY COUNTY WELL (USED BY GM FOR PUMP TO WASTE PROGRAM)
- MONTGOMERY COUNTY WELL (INACTIVE MIAMI SHORES DAYTON PRIMARY PUBLIC SUPPLY BACKUP)
- STREAM GAUGE
- RIVER LEVEE
- CITY OF MORAINE MONITORING WELL

NOTES:
1. GREEN INDICATES LOWER AQUIFER WELLS.
2. BLACK INDICATES UPPER AQUIFER WELLS.

0 300 1000ft

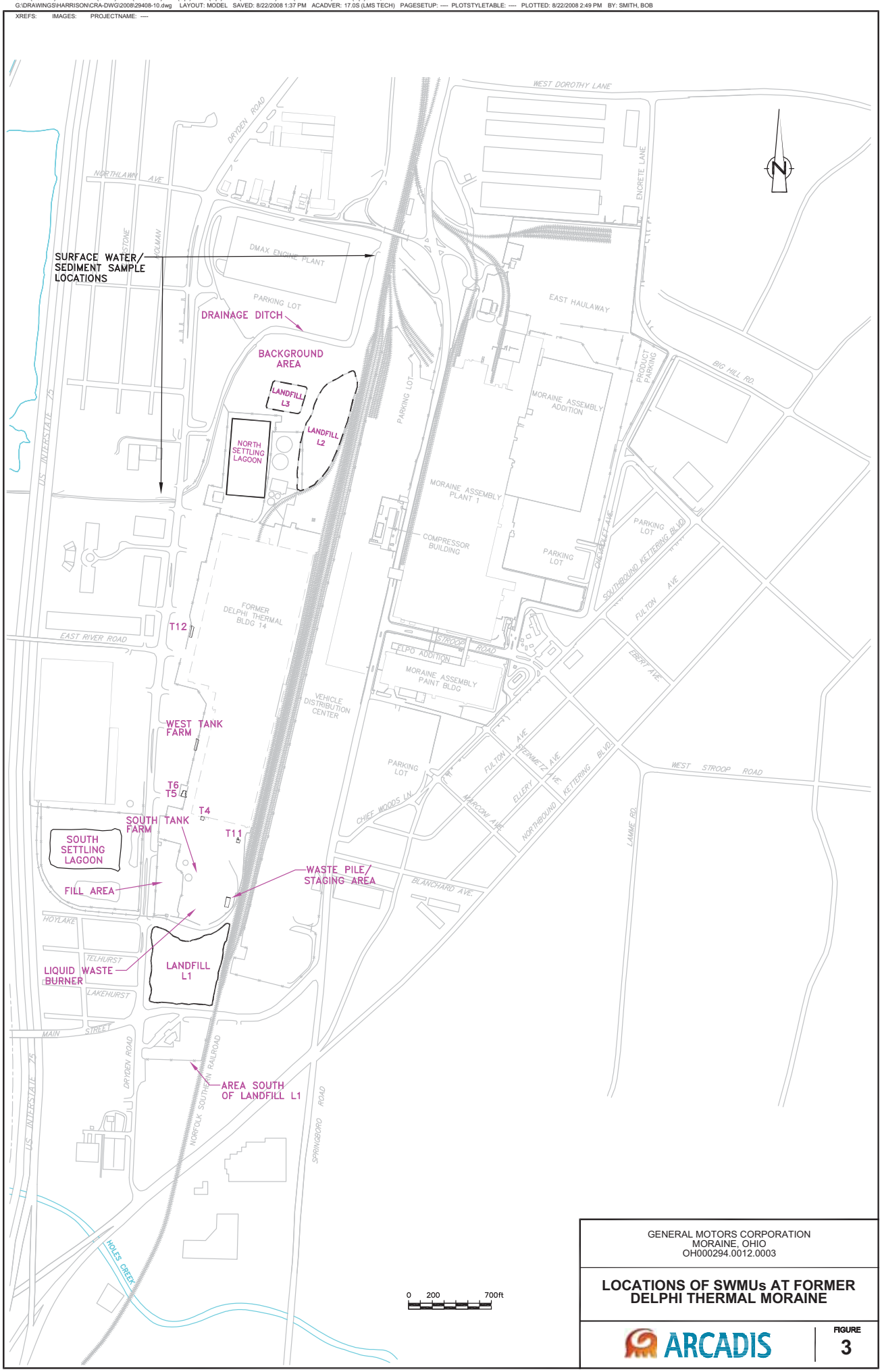
GENERAL MOTORS CORPORATION
MORAINE, OHIO

UPPER AND LOWER AQUIFER WELL LOCATIONS

ARCADIS

FIGURE
2

CITY:(DUBLIN) DIV/GROUP:(SER2) DB:(R. SMITH) LD:(Opt) PIC:(Opt) PM:(N. GILLOTTI) TM:(T. FORTNER) LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\29408-10.dwg LAYOUT: MODEL SAVED: 8/22/2008 1:37 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 8/22/2008 2:49 PM BY: SMITH, BOB
XREFS: IMAGES: PROJECTNAME: ----



GENERAL MOTORS CORPORATION
MORAINE, OHIO
OH000294.0012.0003

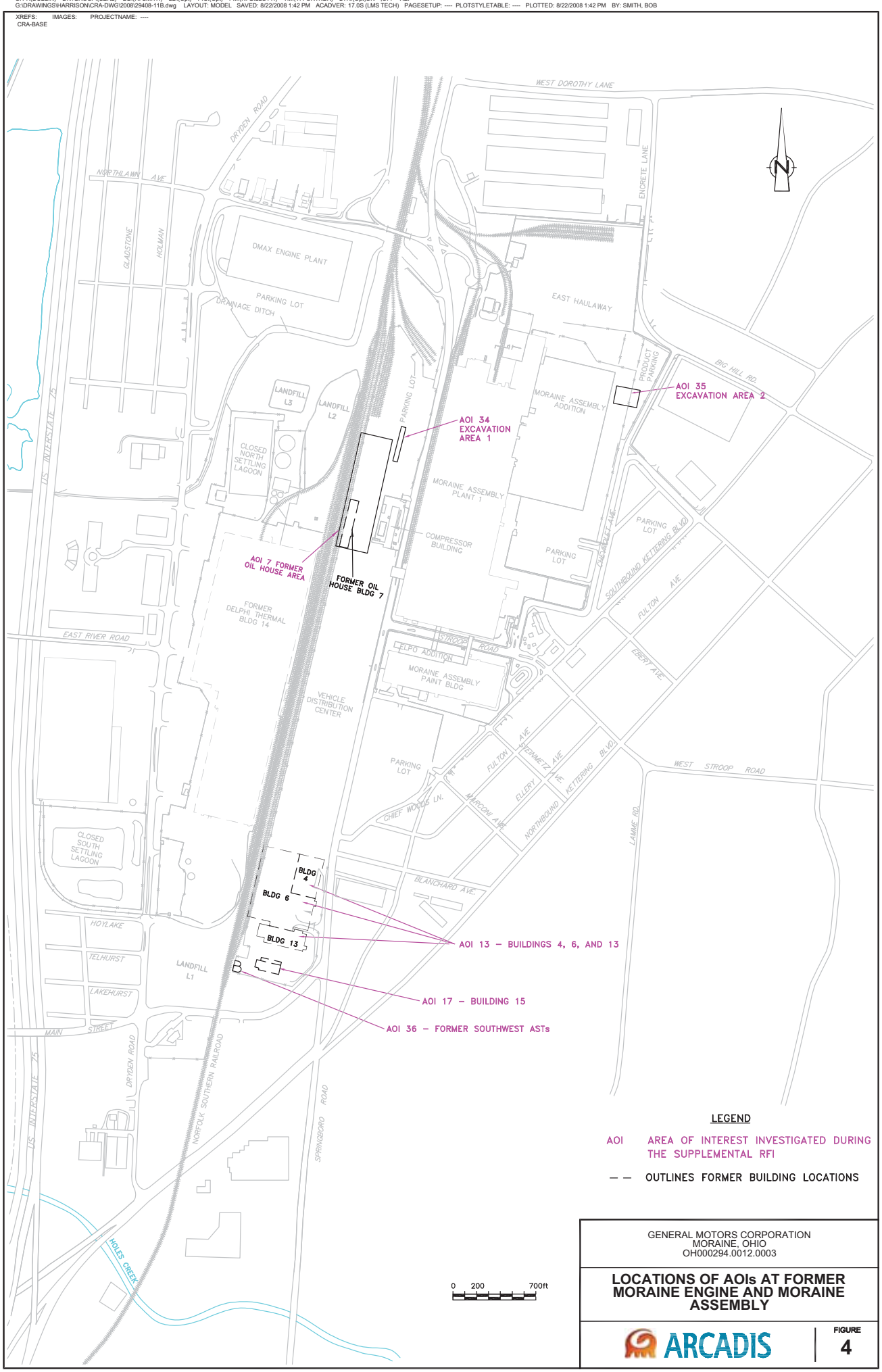
LOCATIONS OF SWMUs AT FORMER DELPHI THERMAL MORAINE

ARCADIS

FIGURE
3

CITY:(DUBLIN) DIV/GROUP:(SER2) DB:(R. SMITH) LD:(Opt) PIC:(Opt) PM:(N. GILLOTTI) TM:(T. FORTNER) LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\29408-11B.dwg LAYOUT: MODEL SAVED: 8/22/2008 1:42 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 8/22/2008 1:42 PM BY: SMITH, BOB

XREFS: IMAGES: PROJECTNAME: ----
CRA-BASE

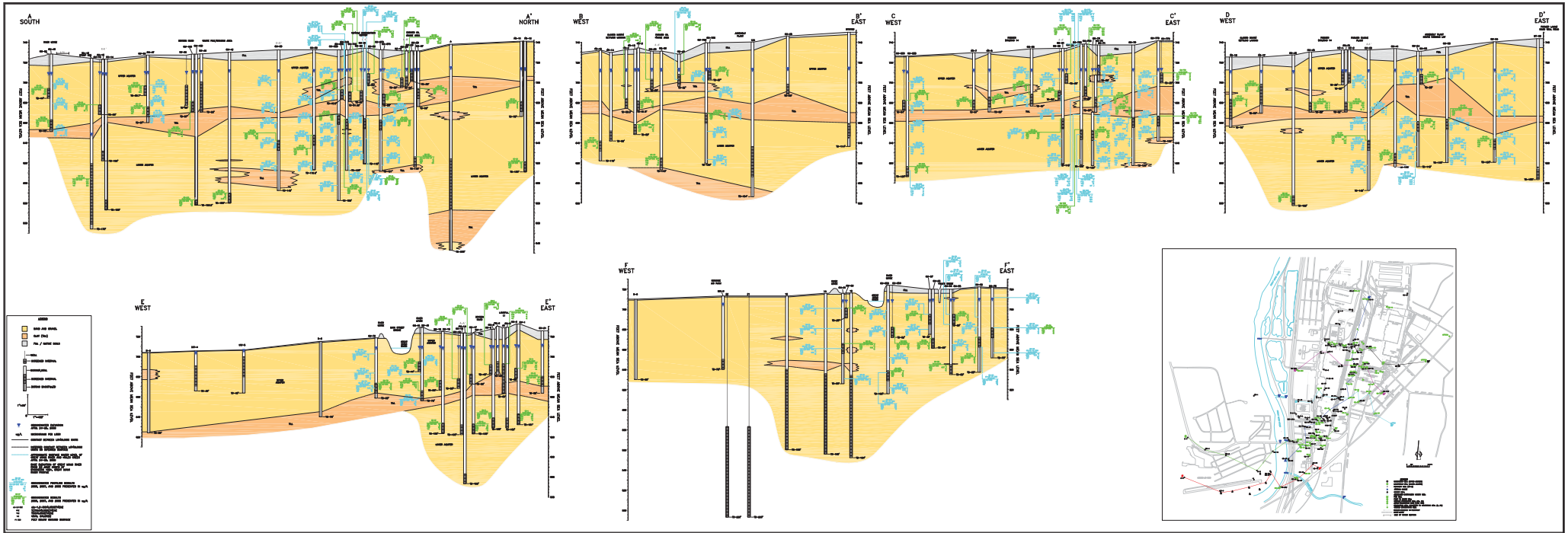


GENERAL MOTORS CORPORATION
MORAINE, OHIO
OH000294.0012.0003

LOCATIONS OF AOIs AT FORMER MORAINE ENGINE AND MORAINE ASSEMBLY

ARCADIS

FIGURE
4



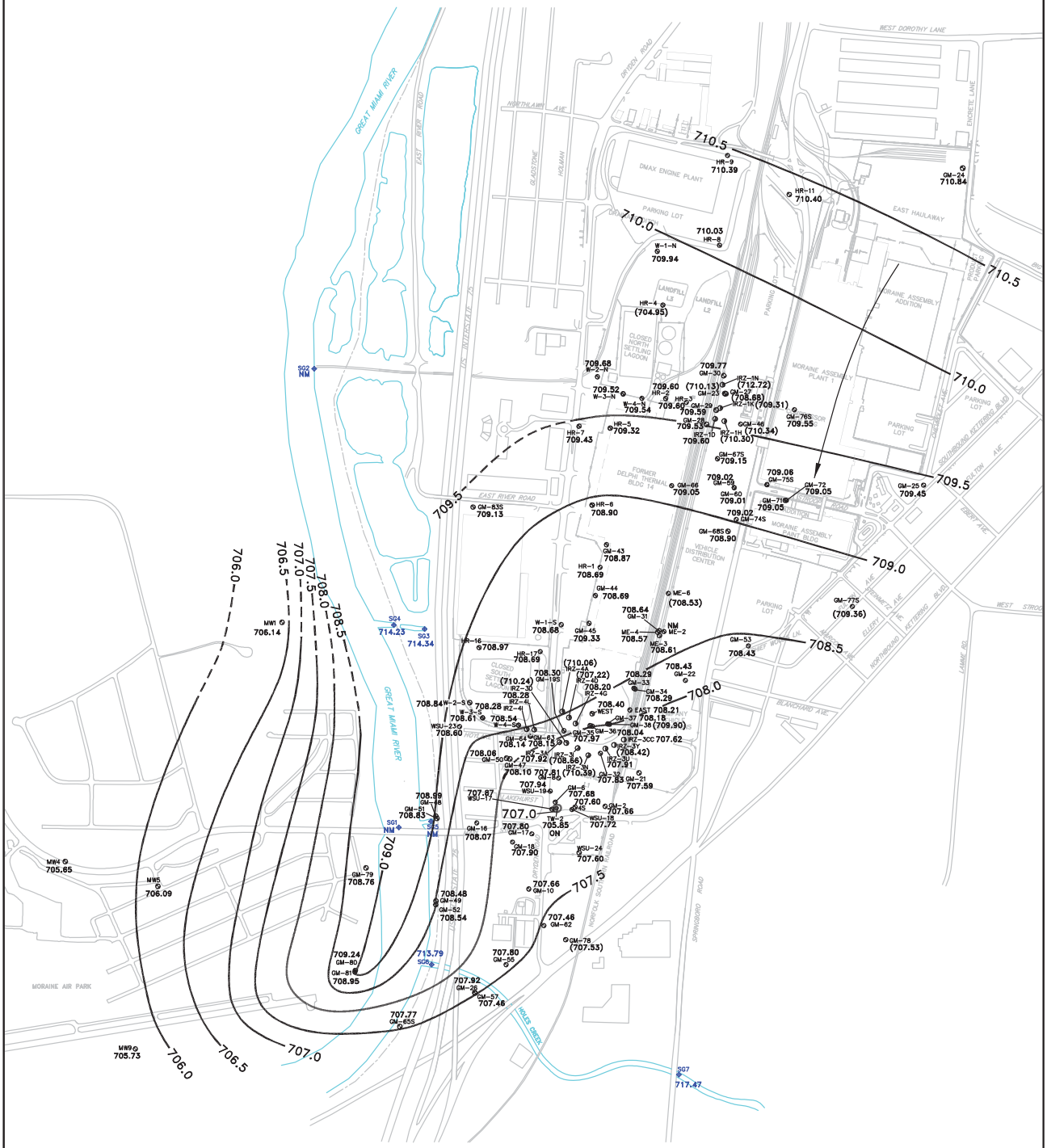
ARCADIS

GEOLOGIC CROSS-SECTIONS A-A', B-B', C-C', D-D', E-E' AND F-F'
AND CROSS-SECTION LOCATION MAP
GENERAL MOTORS CORPORATION
MORAINE, OHIO

DRAWN R. SMITH	DATE 8/18/2008	PROJECT MANAGER N. GILLOTTI	DRAWING NAME GM\07\294070S-ALL
		LEAD DESIGN PROF. J. HUNT	CHECKED T. FORTNER
		PROJECT NUMBER OH000294.0012.003	FIGURE NUMBER 5

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: GW ELEV 0305-0608 SHAL SAVED: 8/22/2008 1:13 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ACAD.CTB PLOTTED: 8/22/2008 1:44 PM BY: SMITH, BOB

XREFS: PROJECTNAME: ----
OH294BASE MAP 2008



NOTE: A SMALL CONE OF DEPRESSION IS AROUND TW-2 (707.0)

LEGEND

	MONITORING WELL (UPPER AQUIFER)
	RECOVERY WELL (TW-2)
714.34	STREAM GAUGE AND STREAM GAUGE MEASUREMENT; NOT USED FOR CONTOURING
	CARBON INTRODUCTION WELL (OW-4 IS AN OBSERVATION WELL FOR IRZ 1)
	RIVER LEVEE
709.94	GROUNDWATER ELEVATION (FEET MSL)
706.0	GROUNDWATER CONTOUR (FEET MSL) (DASHED WHERE INFERRED)
	CONE OF DEPRESSION
( )	NOT USED FOR CONTOURING
NM	NOT MEASURED; DUE TO FLOODING OR DAMAGED WELL
	FLOW DIRECTION
ON/OFF	INDICATES WHETHER RECOVERY WELL IS IN OPERATION

CONTOUR INTERVAL = 0.5 FOOT

N

0 200 1000ft

GENERAL MOTORS CORPORATION
MORAINE, OHIO

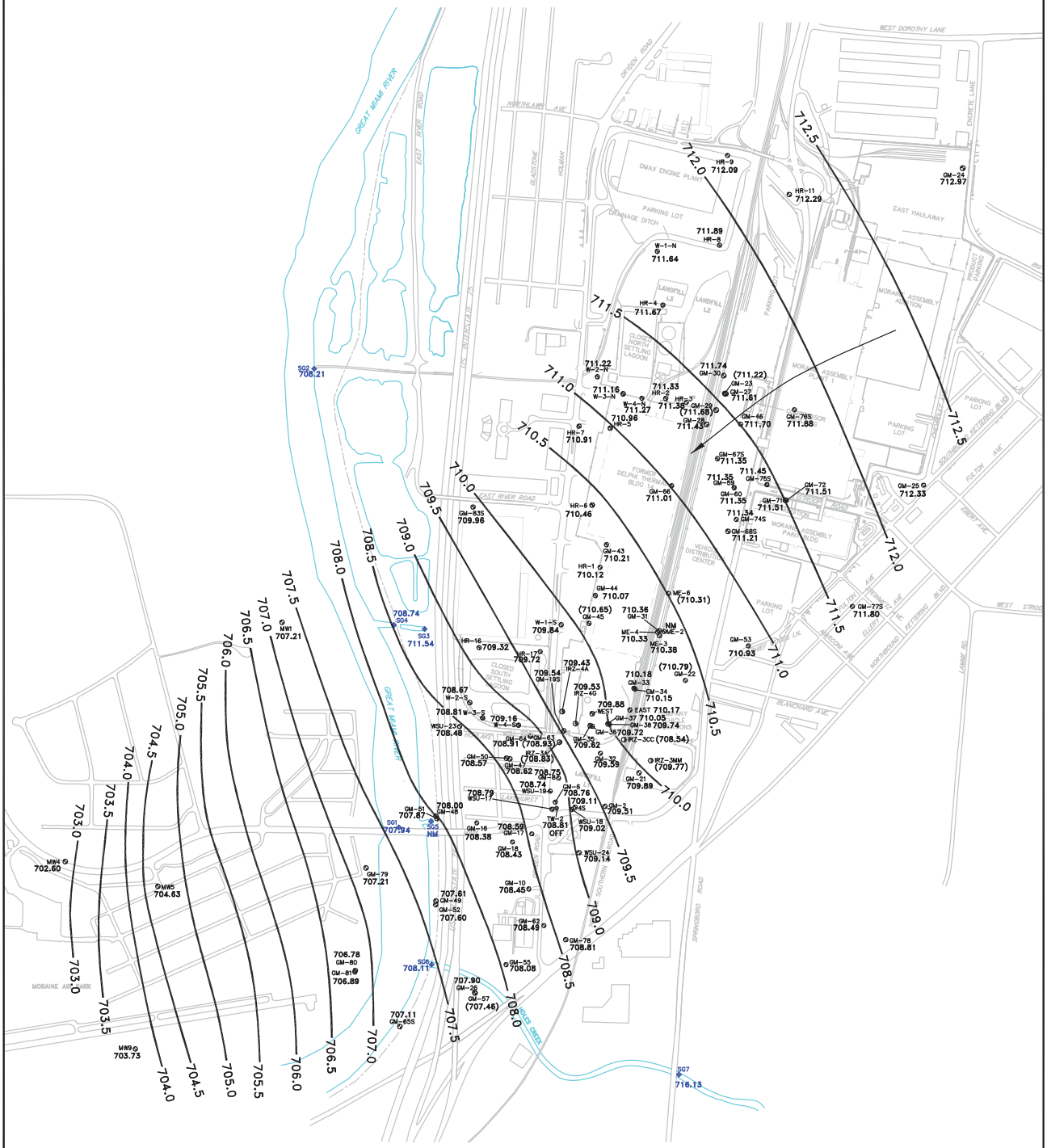
POTENTIOMETRIC SURFACE (UPPER AQUIFER) ON MARCH 5-6, 2008

ARCADIS

FIGURE
6

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: GW ELEV 0424-2508 SHAL (2) SAVED: 8/22/2008 1:47 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ACAD.CTB PLOTTED: 8/22/2008 1:50 PM BY: SMITH, BOB

XREFS: PROJECTNAME: ----
OH294BASE MAP 2008



LEGEND

	MONITORING WELL (UPPER AQUIFER)
	RECOVERY WELL (TW-2)
707.94	STREAM GAUGE AND STREAM GAUGE MEASUREMENT; NOT USED FOR CONTOURING
	CARBON INTRODUCTION WELL (OW-4 IS AN OBSERVATION WELL FOR IRZ 1)
	RIVER LEVEE
708.81	GROUNDWATER ELEVATION (FEET MSL)
706.0	GROUNDWATER CONTOUR (FEET MSL) (DASHED WHERE INFERRED)
	CONE OF DEPRESSION
( )	NOT USED FOR CONTOURING
NM	NOT MEASURED, DUE TO FLOODING OR DAMAGED WELL
	FLOW DIRECTION
ON/OFF	INDICATES WHETHER RECOVERY WELL IS IN OPERATION

CONTOUR INTERVAL = 0.5 FOOT

N

0 200 1000ft

GENERAL MOTORS CORPORATION
MORAINE, OHIO

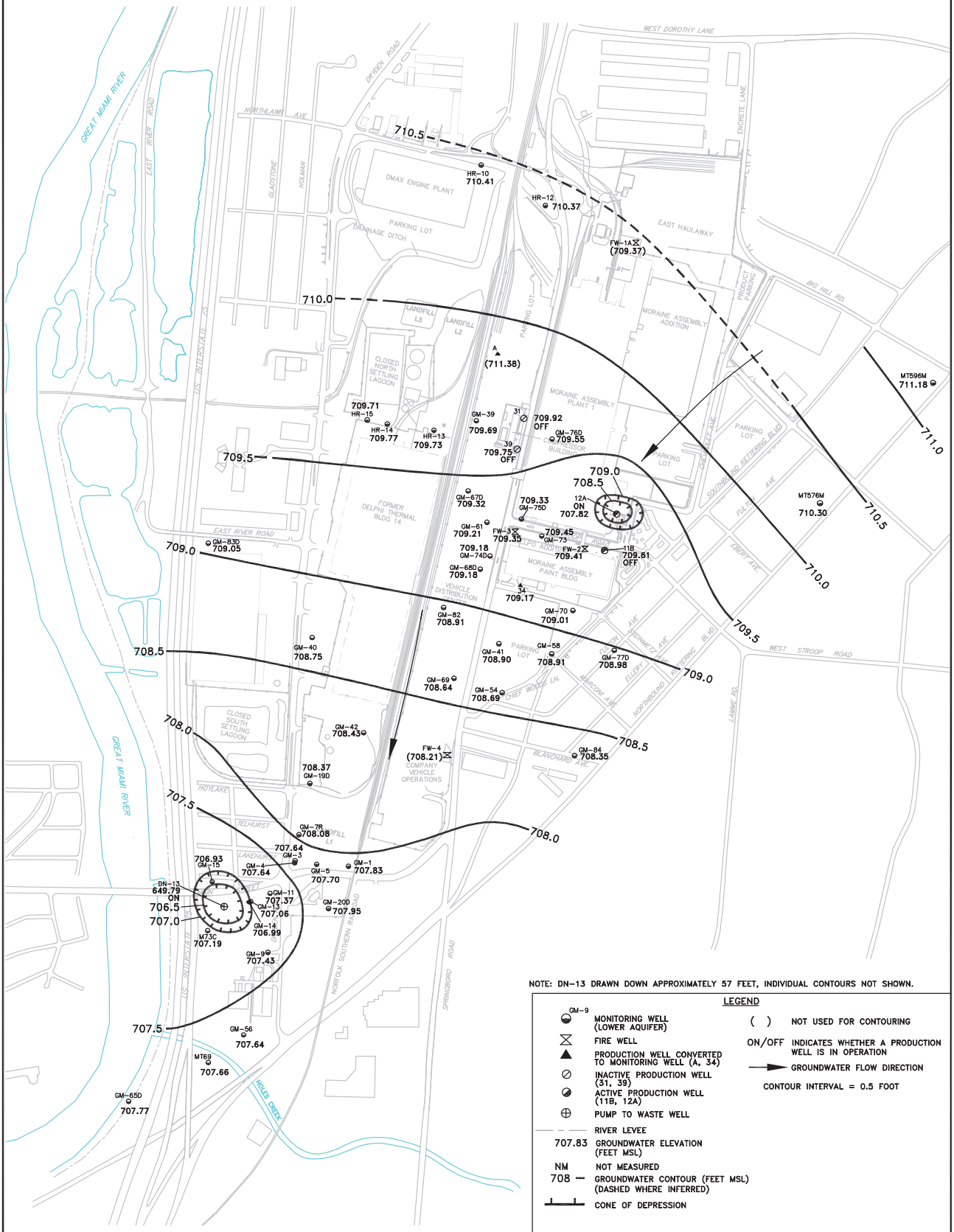
POTENTIOMETRIC SURFACE (UPPER AQUIFER) ON APRIL 24-25, 2008

ARCADIS

FIGURE
7

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: GW ELEV 0305-0608 DEEP SAVED: 8/22/2008 1:47 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ACAD.CTB PLOTTED: 8/22/2008 1:50 PM BY: SMITH, BOB

XREFS: PROJECTNAME: ---
OH294BASE MAP 2006



NOTE: DN-13 DRAWN DOWN APPROXIMATELY 57 FEET, INDIVIDUAL CONTOURS NOT SHOWN.

LEGEND

- GM-9 — MONITORING WELL (LOWER AQUIFER)
- FIRE WELL
- PRODUCTION WELL CONVERTED TO MONITORING WELL (A, 34)
- INACTIVE PRODUCTION WELL (31, 39)
- ACTIVE PRODUCTION WELL (11B, 12A)
- PUMP TO WASTE WELL
- RIVER LEVEE
- 707.83 — GROUNDWATER ELEVATION (FEET MSL)
- NM — NOT MEASURED
- 708 — GROUNDWATER CONTOUR (FEET MSL) (DASHED WHERE INFERRED)
- CONE OF DEPRESSION
- ( ) — NOT USED FOR CONTOURING
- ON/OFF — INDICATES WHETHER A PRODUCTION WELL IS IN OPERATION
- GROUNDWATER FLOW DIRECTION
- CONTOUR INTERVAL = 0.5 FOOT

0 200 700ft

GENERAL MOTORS CORPORATION
MORAINE, OHIO

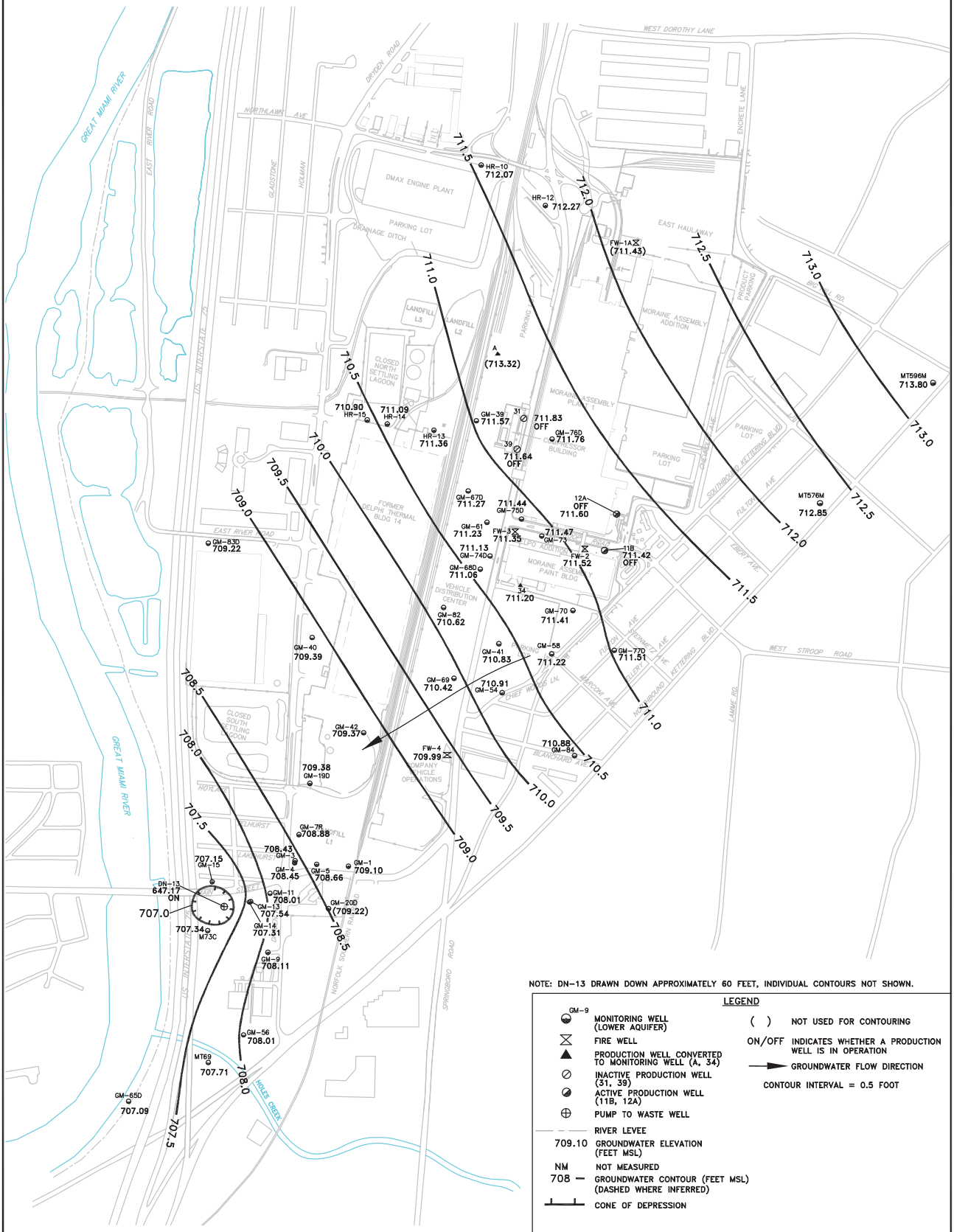
POTENTIOMETRIC SURFACE (LOWER AQUIFER) ON MARCH 5-6, 2008

ARCADIS

FIGURE 8

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: GW ELEV 0424-2508 DEEP SAVED: 8/22/2008 1:51 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ACAD.CTB PLOTTED: 8/22/2008 1:51 PM BY: SMITH, BOB

XREFS: PROJECTNAME: ---
OH294BASE MAP 2008



NOTE: DN-13 DRAWN DOWN APPROXIMATELY 60 FEET, INDIVIDUAL CONTOURS NOT SHOWN.

LEGEND

GM-9 MONITORING WELL (LOWER AQUIFER)	( ) NOT USED FOR CONTOURING
FIRE WELL	ON/OFF INDICATES WHETHER A PRODUCTION WELL IS IN OPERATION
PRODUCTION WELL CONVERTED TO MONITORING WELL (A, 34)	GROUNDWATER FLOW DIRECTION
INACTIVE PRODUCTION WELL (31, 39)	CONTOUR INTERVAL = 0.5 FOOT
ACTIVE PRODUCTION WELL (11B, 12A)	
PUMP TO WASTE WELL	
RIVER LEVEE	
709.10 GROUNDWATER ELEVATION (FEET MSL)	
NM NOT MEASURED	
708 — GROUNDWATER CONTOUR (FEET MSL) (DASHED WHERE INFERRED)	
CONE OF DEPRESSION	

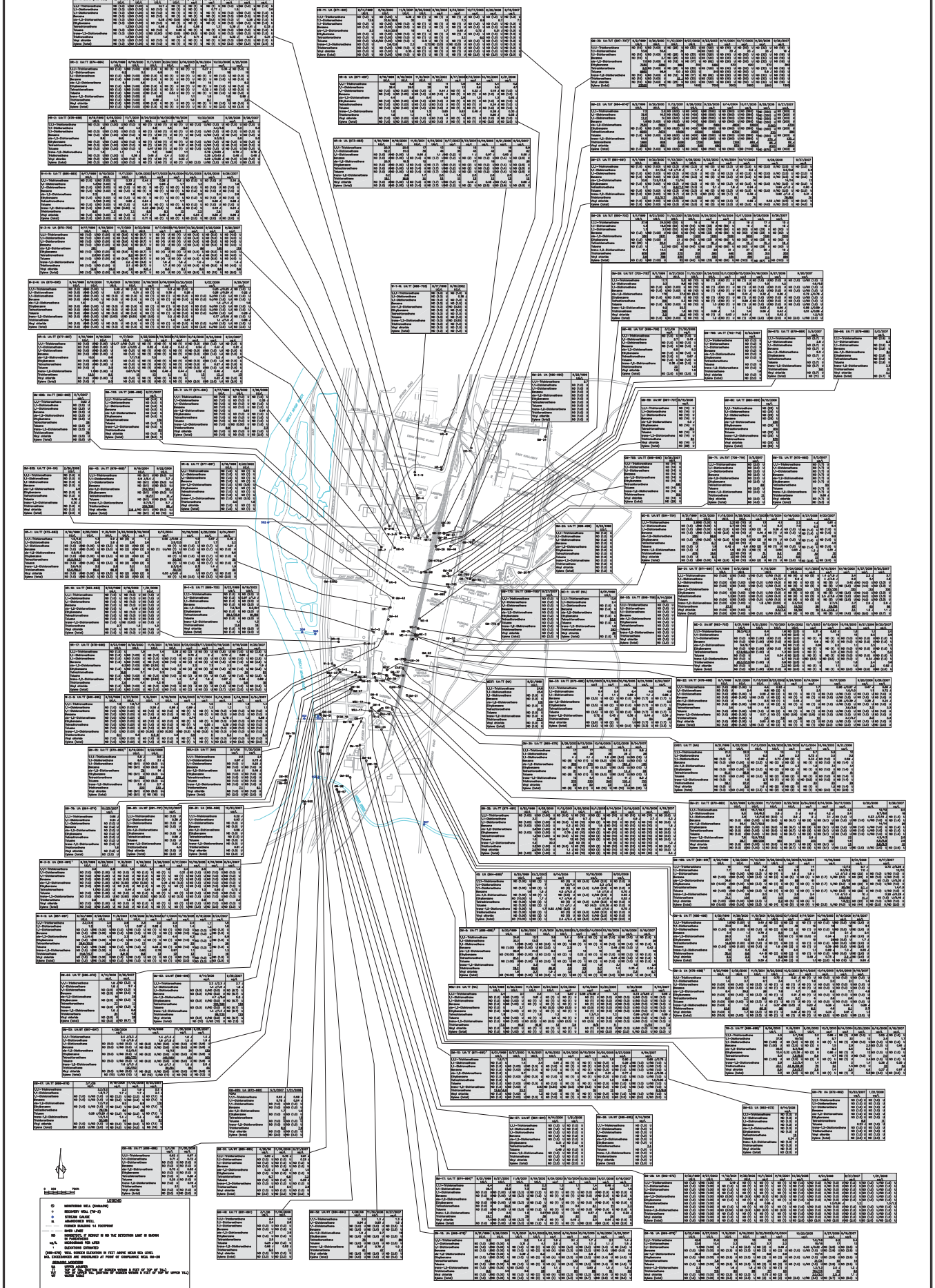
0 200 700ft

GENERAL MOTORS CORPORATION
MORAINE, OHIO

POTENTIOMETRIC SURFACE (LOWER AQUIFER) ON APRIL 24-25, 2008

ARCADIS

FIGURE 9


LEGEND
MONITORING WELL (DRAINAGE)
RECOVERY WELL (TR-X)
STREAM GAUGE
ABANDONED WELL
FORMER BUILDING 14 FOOTPRINT
RIVER LEVEL
NOT DETECTED
MEASUREMENT OF RECHARGE IN THE DETECTION LIMIT IS SHOWN IN PARENTHESIS
NO DATA AVAILABLE FOR AREA
DEVIATIONS DISCARDED
(1000-2270) WELL SCREEN ELEVATION IN FEET ABOVE MEAN SEA LEVEL
MSL ENGINEERING ARE UNCORRELATED AT POINT OF COMPLIANCE WELL 08-20
ABBREVIATIONS
TOC TOP OF THE BOTTOM OF SCREEN MEANS 8 FEET OF TOP OF TALL
TOS TOP OF THE TOP OF THE BOTTOM OF SCREEN MEANS 8 FEET OF TOP OF UPPER TALL
TOW TOP OF WELL
0 200 400 FEET
GREAT MIAMI RIVER
NEW MODEL PLANT
EAST VALLEY
WEST VALLEY
FORMER BUILDING 14
FORMER BUILDING 12
FORMER BUILDING 11
FORMER BUILDING 10
FORMER BUILDING 9
FORMER BUILDING 8
FORMER BUILDING 7
FORMER BUILDING 6
FORMER BUILDING 5
FORMER BUILDING 4
FORMER BUILDING 3
FORMER BUILDING 2
FORMER BUILDING 1
FORMER BUILDING 14
FORMER BUILDING 12
FORMER BUILDING 11
FORMER BUILDING 10
FORMER BUILDING 9
FORMER BUILDING 8
FORMER BUILDING 7
FORMER BUILDING 6
FORMER BUILDING 5
FORMER BUILDING 4
FORMER BUILDING 3
FORMER BUILDING 2
FORMER BUILDING 1
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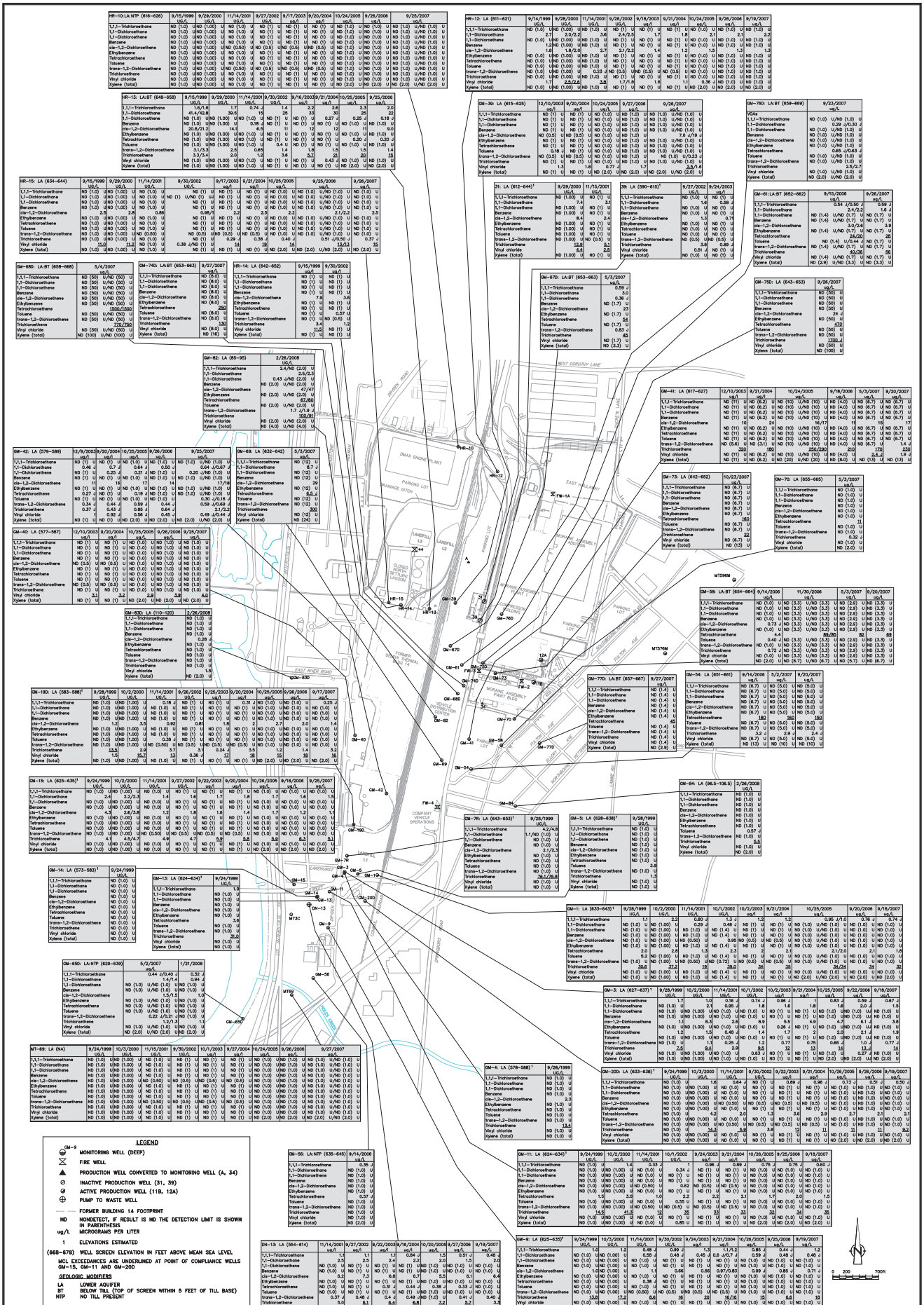

HR-10 LA:NTP (616-626)	9/15/1999	9/29/2000	11/14/2001	9/27/2002	9/17/2003	9/20/2004	10/24/2005	9/26/2006	9/25/2007
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
1,1-Dichloroethane	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
1,1-Dichloroethene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Benzene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
cis-1,2-Dichloroethene	ND (1.0)	U ND (1.00)	U ND (0.50)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U
Ethylbenzene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Tetrachloroethene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Toluene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
trans-1,2-Dichloroethene	ND (1.0)	U ND (1.00)	U ND (0.50)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U
Trichloroethene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Vinyl chloride	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Xylene (total)	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U

HR-12: LA (611-621)	9/14/1999	9/29/2000	11/14/2001	9/26/2002	9/18/2003	9/21/2004	10/24/2005	9/26/2006	9/19/2007
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
1,1-Dichloroethane	2.7	2.0/2.2	3.6	2.4/2.5	1.7	1.8	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
1,1-Dichloroethene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Benzene	1.2	ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
cis-1,2-Dichloroethene	1.8	1.8/2.0	2.7	2.1/2.2	1.4	1.2	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Ethylbenzene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Tetrachloroethene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Toluene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
trans-1,2-Dichloroethene	ND (0.5)	U ND (0.50)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U
Trichloroethene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Vinyl chloride	1.7	2.5/2.6	3.8	1.7/1.8	1.6	1.1	0.36 J	ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Xylene (total)	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U

HR-13: LA:BT (648-658)	9/15/1999	9/29/2000	11/14/2001	9/30/2002	9/18/2003	9/21/2004	10/25/2005	9/26/2006	9/25/2007
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	1.6/1.6	1.7	0.74 J	1.4	2.2	2.6	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1,1-Dichloroethane	41.4/42.8	39.5	15	25	33	39	25	22	22	22	22	22	22	22	22	22
1,1-Dichloroethene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U 0.27 J	0.25 J	0.18 J	0.18 J	0.18 J	0.18 J	0.18 J	0.18 J	0.18 J	0.18 J	0.18 J
Benzene	ND (1.0)	U 0.18 J	ND (1.0)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
cis-1,2-Dichloroethene	20.8/21.2	14.1	6.5	11	12	12	11	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Ethylbenzene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Tetrachloroethene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U 0.20 J	0.20 J	0.20 J	0.20 J	0.20 J	0.20 J	0.20 J	0.20 J	0.20 J	0.20 J
Toluene	ND (1.0)	U ND (1.00)	U ND (1.0)	U 0.4 J	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
trans-1,2-Dichloroethene	3.1/3.3	2.5	0.65	1.4	1.8	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Trichloroethene	3.3/3.6	2.0	1.2	3.6	5.7	21	20	15	15	15	15	15	15	15	15	15
Vinyl chloride	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U 0.43 J	ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Xylene (total)	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U

GM-39: LA (615-625)	12/10/2003	9/30/2004	10/24/2005	9/27/2006	9/26/2007
	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
1,1-Dichloroethane	ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
1,1-Dichloroethene	ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Benzene	ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
cis-1,2-Dichloroethene	ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U
Ethylbenzene	ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Tetrachloroethene	ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Toluene	0.18 J	ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
trans-1,2-Dichloroethene	ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U
Trichloroethene	ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Vinyl chloride	1.3	1.8	0.77 J	1.7	2.5/1.8	ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Xylene (total)	ND (1)	U ND (1)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U

GM-760: LA:BT (659-669)	9/23/2007
	ug/L
VOAs	
1,1,1-Trichloroethane	ND (1.0) U ND (1.0) U
1,1-Dichloroethane	0.29 J/0.30 J
1,1-Dichloroethene	ND (1.0) U ND (1.0) U
Benzene	ND (1.0) U ND (1.0) U
cis-1,2-Dichloroethene	ND (1.0) U ND (1.0) U
Ethylbenzene	ND (1.0) U ND (1.0) U
Tetrachloroethene	0.65 J/0.63 J
Toluene	ND (1.0) U ND (1.0) U
trans-1,2-Dichloroethene	ND (1.0) U ND (1.0) U
Trichloroethene	2.5/2.7
Vinyl chloride	ND (1.0) U ND (1.0) U
Xylene (total)	ND (2.0) U ND (2.0) U

HR-15: LA (634-644)	9/15/1999	9/29/2000	11/14/2001	9/30/2002	9/17/2003	9/21/2004	10/25/2005	9/25/2006	9/28/2007
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
1,1-Dichloroethane	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
1,1-Dichloroethene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Benzene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
cis-1,2-Dichloroethene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Ethylbenzene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Tetrachloroethene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
Toluene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U ND (1)	U ND (1)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U ND (1.0)	U
trans-1,2-Dichloroethene	ND (0.5)	U ND (0.50)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U ND (0.5)	U
Trichloroethene	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1)	U 0.29 J	0.38 J	0.40 J	0.51 J/0.50 J	0.37 J	0.37 J	0.37 J	0.37 J	0.37 J	0.37 J	0.37 J	0.37 J
Vinyl chloride	11.0	11.2	ND (1.0)	U 0.38 J/ND	U 14	18	14	13/13	15	15	15	15	15	15	15	15
Xylene (total)	ND (1.0)	U ND (1.00)	U ND (1.0)	U ND (1.0)	U ND (1)	U ND (1)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U ND (2.0)	U

31: LA (612-644)[1]	9/29/2000	11/15/2001
	ug/L	ug/L
1,1,1-Trichloroethane	ND (1.00) U	ND (1) U
1,1-Dichloroethane	7.4	3.1
1,1-Dichloroethene	ND (1.00) U	ND (1) U
Benzene	2.1	2.2
cis-1,2-Dichloroethene	8.4	2.4
Ethylbenzene	ND (1.00) U	ND (1) U
Tetrachloroethene	ND (1.00) U	ND (1) U
Toluene	ND (1.00) U	ND (1) U
trans-1,2-Dichloroethene	ND (1.00) U	ND (0.5) U
Trichloroethene	13.6	2.1
Vinyl chloride	6.6	2.6
Xylene (total)	ND (1.00) U	ND (1) U

39: LA (590-615)[1]	9/27/2002	9/24/2003
	ug/L	ug/L
1,1,1-Trichloroethane	ND (1.0) U	ND (1) U
1,1-Dichloroethane	1.6	0.58 J
1,1-Dichloroethene	ND (1.0) U	ND (1) U
Benzene	7.6 J/9 J	2.1
cis-1,2-Dichloroethene	1.5	0.71
Ethylbenzene	ND (1.0) U	ND (1) U
Tetrachloroethene	ND (1.0) U	ND (1) U
Toluene	ND (1.0) U	ND (1) U
trans-1,2-Dichloroethene	ND (0.5) U	ND (0.5) U
Trichloroethene	3.4	0.99 J
Vinyl chloride	0.51 J	ND (1) U
Xylene (total)	ND (1.0) U	ND (1) U

GM-61: LA:BT (652-662)	9/15/2006	9/26/2007
	ug/L	ug/L
1,1,1-Trichloroethane	0.54 J/0.50 J	0.59 J
1,1-Dichloroethane	2.4/2.2	1.6 J
1,1-Dichloroethene	ND (1.4) U/ND (1.7) U	ND (1.7) U
Benzene	ND (1.4) U/ND (1.7) U	ND (1.7) U
cis-1,2-Dichloroethene	3.2/2.6	3.9
Ethylbenzene	ND (1.4) U/ND (1.7) U	ND (1.7) U
Tetrachloroethene	28/26	28
Toluene	ND (1.4) U/0.44 J	ND (1.7) U
trans-1,2-Dichloroethene	ND (1.4) U/ND (1.7) U	ND (1.7) U
Trichloroethene	60/58	56
Vinyl chloride	ND (1.4) U/ND (1.7) U	ND (1.7) U
Xylene (total)	ND (2.8) U/ND (3.3) U	ND (3.3) U

GM-680: LA:BT (658-668)	5/4/2007
	ug/L
1,1,1-Trichloroethane	ND (50) U/ND (50) U
1,1-Dichloroethane	ND (50) U/ND (50) U
1,1-Dichloroethene	ND (50) U/ND (50) U
Benzene	ND (50) U/ND (50) U
cis-1,2-Dichloroethene	ND (50) U/ND (50) U
Ethylbenzene	ND (50) U/ND (50) U
Tetrachloroethene	1500/1500
Toluene	ND (50) U/ND (50) U
trans-1,2-Dichloroethene	ND (50) U/ND (50) U
Trichloroethene	270/250
Vinyl chloride	ND (50) U/ND (50) U
Xylene (total)	ND (100) U/ND (100) U

GM-740: LA:BT (653-663)	9/27/2007
	ug/L
1,1,1-Trichloroethane	ND (8.0) U
1,1-Dichloroethane	ND (8.0) U
1,1-Dichloroethene	ND (8.0) U
Benzene	ND (8.0) U
cis-1,2-Dichloroethene	ND (8.0) U
Ethylbenzene	ND (8.0) U
Tetrachloroethene	250
Toluene	ND (8.0) U
trans-1,2-Dichloroethene	ND (8.0) U
Trichloroethene	130
Vinyl chloride	ND (8.0) U
Xylene (total)	ND (16) U

HR-14: LA (642-652)	9/15/1999	9/30/2002
	ug/L	ug/L
1,1,1-Trichloroethane	ND (1) U	ND (1) U
1,1-Dichloroethane	ND (1) U	ND (1) U
1,1-Dichloroethene	ND (1) U	ND (1) U
Benzene	2.7	1.1
cis-1,2-Dichloroethene	7.9	3.6
Ethylbenzene	ND (1) U	ND (1) U
Tetrachloroethene	ND (1) U	ND (1) U
Toluene	ND (1) U	0.57 U
trans-1,2-Dichloroethene	ND (1) U	ND (0.5) U
Trichloroethene	3.4	1.2
Vinyl chloride	11.0	ND (1) U
Xylene (total)	ND (1) U	ND (1) U

GM-670: LA:BT (653-663)	5/3/2007
	ug/L
1,1,1-Trichloroethane	0.59 J
1,1-Dichloroethane	3.0
1,1-Dichloroethene	0.36 J
Benzene	ND (1.7) U
cis-1,2-Dichloroethene	2.3
Ethylbenzene	ND (1.7) U
Tetrachloroethene	58
Toluene	ND (1.7) U
trans-1,2-Dichloroethene	0.63 J
Trichloroethene	45
Vinyl chloride	ND (1.7) U
Xylene (total)	ND (3.3) U

GM-75D: LA (643-653)	9/26/2007
	ug/L
1,1,1-Trichloroethane	ND (50) U
1,1-Dichloroethane	ND (50) U
1,1-Dichloroethene	ND (50) U
Benzene	ND (50) U
cis-1,2-Dichloroethene	24 J
Ethylbenzene	ND (50) U
Tetrachloroethene	470
Toluene	ND (50) U
trans-1,2-Dichloroethene	ND (50) U
Trichloroethene	1200 J
Vinyl chloride	ND (50) U
Xylene (total)	ND (100) U

GM-82: LA (85-95)	2/26/2008
	ug/L
1,1,1-Trichloroethane	2.4/ND (2.0) U
1,1-Dichloroethane	2.5/2.3
1,1-Dichloroethene	0.43 J/ND (2.0) U
Benzene	ND (2.0) U/ND (2.0) U
cis-1,2-Dichloroethene	47/47
Ethylbenzene	ND (2.0) U/ND (2.0) U
Tetrachloroethene	62/60
Toluene	ND (2.0) U/ND (2.0) U
trans-1,2-Dichloroethene	1.7 J/1.9 J
Trichloroethene	100/95
Vinyl chloride	ND (2.0) U/ND (2.0) U
Xylene (total)	ND (4.0) U/ND (4.0) U

GM-41: LA (617-627)	12/10/2003	9/21/2004	10/24/2005	9/18/2006	5/3/2007	9/20/2007
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND (11) U	ND (6.2) U	ND (10) U	ND (10) U	ND (4.0) U	ND (6.7) U	ND (6.7) U
1,1-Dichloroethane	ND (11) U	ND (6.2) U	ND (10) U	ND (10) U	ND (4.0) U	ND (6.7) U	ND (6.7) U
1,1-Dichloroethene	ND (11) U	ND (6.2) U	ND (10) U	ND (10) U	ND (4.0) U	ND (6.7) U	ND (6.7) U
Benzene	ND (11) U	ND (6.2) U	ND (10) U	ND (10) U	ND (4.0) U	ND (6.7) U	ND (6.7) U
cis-1,2-Dichloroethene	10	24	16/17	11	15	17	17
Ethylbenzene	ND (11) U	ND (6.2) U	ND (10) U	ND (10) U	ND (4.0) U	ND (6.7) U	ND (6.7) U
Tetrachloroethene	ND (11) U	ND (6.2) U	ND (10) U	ND (10) U	ND (4.0) U	ND (6.7) U	ND (6.7) U
Toluene	ND (11) U	ND (6.2) U	ND (10) U	ND (10) U	ND (4.0) U	ND (6.7) U	ND (6.7) U
trans-1,2-Dichloroethene	ND (5.6) U	ND (3.1) U	ND (10) U	ND (10) U	ND (4.0) U	ND (6.7) U	1.4 J
Trichloroethene	320	180	250/280	230	230	230	230
Vinyl chloride	ND (11) U	ND (6.2) U	ND (10) U	ND (10) U	ND (4.0) U	2.4 J	1.9 J
Xylene (total)	ND (11) U	ND (6.2) U	ND (20) U	ND (20) U	ND (8.0) U	ND (13) U	ND (13) U

GM-73: LA (642-652)	10/23/2007
	ug/L
1,1,1-Trichloroethane	ND (6.7) U
1,1-Dichloroethane	ND (6.7) U
1,1-Dichloroethene	ND (6.7) U
Benzene	ND (6.7) U
cis-1,2-Dichloroethene	ND (6.7) U
Ethylbenzene	ND (6.7) U
Tetrachloroethene	160
Toluene	ND (6.7) U
trans-1,2-Dichloroethene	ND (6.7) U
Trichloroethene	9 J
Vinyl chloride	ND (6.7) U
Xylene (total)	ND (13) U

GM-70: LA (655-665)	5/3/2007
	ug/L
1,1,1-Trichloroethane	ND (1.0) U
1,1-Dichloroethane	ND (1.0) U
1,1-Dichloroethene	ND (1.0) U
Benzene	ND (1.0) U
cis-1,2-Dichloroethene	ND (1.0) U
Ethylbenzene	ND (1.0) U
Tetrachloroethene	11
Toluene	ND (1.0) U
trans-1,2-Dichloroethene	ND (1.0) U
Trichloroethene	0.32 J
Vinyl chloride	ND (1.0) U
Xylene (total)	ND (2.0) U

GM-62: LA (579-589)	12/9/2003	9/20/2004	10/25/2005	9/26/2006	9/25/2007
	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND (1) U	ND (1) U	ND (1.0) U	ND (1.0) U	ND (1.0) U	ND (1.0) U
1,1-Dichloroethane	0.46 J	0.7 J	0.64 J	0.50 J	0.64 J/0.67 J
1,1-Dichloroethene	ND (1) U	0.25 J	0.21 J	ND (1.0) U	0.20 J/ND (1.0) U
Benzene	ND (1) U	ND (1) U	ND (1.0) U	ND (1.0) U	ND (1.0) U/ND (1.0) U
cis-1,2-Dichloroethene	1	16	17	14	17/18
Ethylbenzene	ND (1) U	ND (1) U	ND (1.0) U	ND (1.0) U	ND (1.0) U/ND (1.0) U
Tetrachloroethene	0.27 J	ND (1) U	0.19 J	ND (1.0) U	ND (1.0) U/ND (1.0) U
Toluene	ND (1) U	ND (1) U	ND (1.0) U	ND (1.0) U	0.30 J/0.18 J
trans-1,2-Dichloroethene	0.34 J	0.44 J	0.59 J	0.44 J	0.59 J/0.69 J
Trichloroethene	0.37 J	0.43 J	0.55 J	0.64 J	2.7/2.2
Vinyl chloride	1	0.92 J	0.56 J	0.45 J	0.49 J/0.44 J
Xylene (total)	ND (1) U	ND (1) U	ND (2.0) U	ND (2.0) U	ND (2.0) U	ND (2.0) U

GM-69: LA (632-642)	5/3/2007
	ug/L
1,1,1-Trichloroethane	ND (12) U
1,1-Dichloroethane	8.7 J
1,1-Dichloroethene	ND (12) U
Benzene	ND (12) U
cis-1,2-Dichloroethene	29
Ethylbenzene	ND (12) U
Tetrachloroethene	6.5 J
Toluene	ND (12) U
trans-1,2-Dichloroethene	ND (12) U
Trichloroethene	300
Vinyl chloride	ND (12) U
Xylene (total)	ND (24) U

GM-40: LA (577-587)	12/10/2003	9/20/2004	10/25/2005	9/26/2006	9/25/2007
	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	ND (1) U	ND (1) U	ND (1.0) U	ND (1.0) U	ND (1.0) U	ND (1.0) U
1,1-Dichloroethane	ND (1) U	ND (1) U	ND (1.0) U	ND (1.

CITY:DUBLIN DIV/GROUP:SER2 DB:R. SMITH LD:(Opt) PIC:(Opt) PM:N. GILLOTTI TM:T. FORTNER LYR:(Opt)ON=*;OFF=*REF*
G:\DRAWINGS\HARRISON\CRA-DWG\2008\SH-DP-08.dwg LAYOUT: ALL WELLS - FIG 12 SAVED: 8/22/2008 1:51 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ACAD.CTB PLOTTED: 8/22/2008 1:53 PM BY: SMITH, BOB

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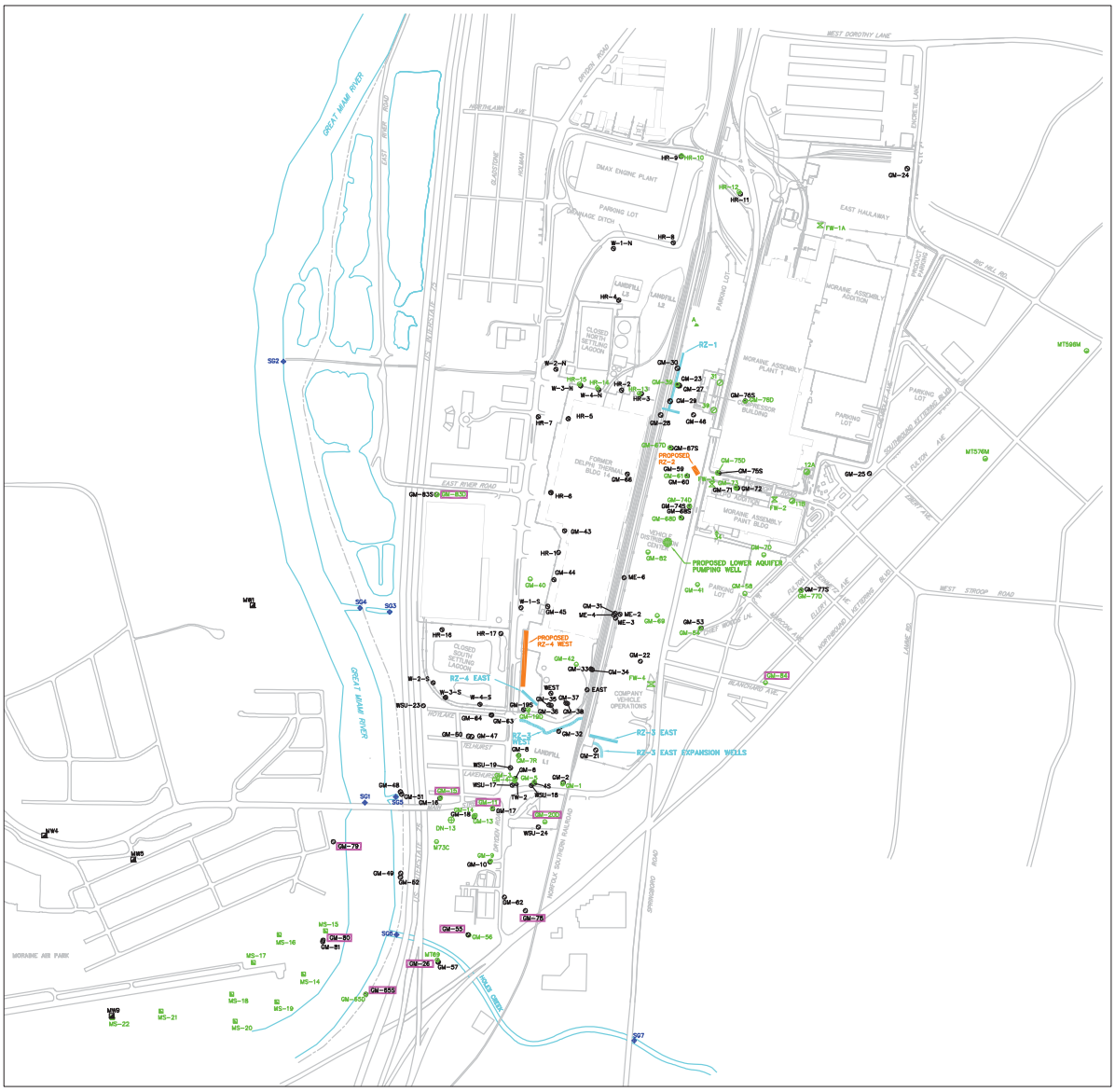

LEGEND

- MONITORING WELL (UPPER AQUIFER)
- RECOVERY WELL (TW-2)
- MONITORING WELL (LOWER AQUIFER)
- CARBON SOURCE INTRODUCTION WELLS, REACTIVE ZONES (RZ-1, RZ-3, AND RZ-4)
- PROPOSED CARBON SOURCE INTRODUCTION WELLS, REACTIVE ZONE (RZ-2 AND RZ-4)
- FIRE WELL
- PRODUCTION WELL CONVERTED TO MONITORING WELL (31, 39)
- INACTIVE PRODUCTION WELL (31, 39)
- ACTIVE PRODUCTION WELL (11B, 12A)
- MONTGOMERY COUNTY WELL (USED BY GM FOR PUMP TO WASTE PROGRAM)
- MONTGOMERY COUNTY WELL (INACTIVE MIAMI SHORES DAYTON PRIMARY PUBLIC SUPPLY BACKUP)
- STREAM GAUGE
- RIVER LEVEE
- CITY OF MORAINE MONITORING WELL
- POINT OF COMPLIANCE MONITORING WELL
- PROPOSED LOWER AQUIFER PUMPING WELL

NOTES:
1. GREEN INDICATES LOWER AQUIFER WELLS.
2. BLACK INDICATES UPPER AQUIFER WELLS.

0 200 1000ft

GENERAL MOTORS CORPORATION
MORAINE, OHIO

SITE-WIDE CORRECTIVE MEASURES

ARCADIS

FIGURE
12

ARCADIS
Infrastructure, environment, facilities

Imagine the result

Draft

Corrective Measures Proposal

General Motors Corporation
Moraine, Ohio

August 25, 2008

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1. Introduction

A multi-phased Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) was completed for the following General Motors Corporation (GM) facilities located in Moraine, Ohio (Site) (Figure 1): former Delphi Harrison Thermal Systems Moraine Plant (former Delphi Thermal Moraine [leased to Delphi Corporation between January 1999 and September 2003]), former General Motors Powertrain Group, Moraine Engine Plant (former Moraine Engine), and General Motors Truck Group, Moraine Assembly Plant (Moraine Assembly) and approved by the United States Environmental Protection Agency (U.S. EPA) in June 2000 (ARCADIS Geraghty & Miller, Inc. 2000a and b, ENVIRON Corporation 2000a and b). The RFI, conducted during the period of 1992 to 1998, identified that the primary source area of volatile organic compounds (VOCs) in shallow groundwater at the three facilities is located at the Area of Interest (AOI) 7 - Former Oil House Area, in the northern portion of the former Moraine Engine facility (Figure 2). The Baseline Risk Assessment (BRA) concluded that, under current conditions, there was no unacceptable risk associated with constituents detected in soil/waste at the AOIs and Solid Waste Management Units (SWMUs) investigated in the RFI. However, the BRA also concluded that constituents detected in groundwater at the Former Oil House Area may migrate to the extent that reasonably expected future uses of groundwater might be affected. Therefore, the focus of the Interim Measures/Corrective Measures (IM/CM) Report (ARCADIS Geraghty & Miller, Inc. 2001) was development of a site-wide remedy that addressed the source of the VOCs in groundwater and the downgradient plume based on the site conceptual model at that time.

The IM/CM Report, which was submitted to the U.S. EPA on March 2, 2001, served as the site-wide corrective measures report for the three facilities. Subsequent to submittal of the IM/CM Report, implementation of the corrective measures proposed in the IM/CM Report have been conducted on an ongoing basis by GM. These corrective measures include: the Former Oil House Area corrective measures (in-situ remediation of groundwater in the Former Oil House Area and downgradient of the Former Oil House Area, see Figure 2); the capture zone corrective measures (hydraulic control with a pump and treat system for the upper aquifer and hydraulic control for the lower aquifer, see Figure 2); and a site-wide groundwater monitoring program. In addition, GM identified the need to conduct the following additional work to refine the final corrective measures for the site:

- Updated characterization and implementation of interim measures at the Waste Pile/Staging Area (WPSA) at the former Delphi Thermal Moraine facility;

- Investigation of a box sewer system located at the former Moraine Engine facility;
- Investigation under the former Delphi Thermal Moraine Building 14; and
- Focused investigations of groundwater chemistry and hydrogeology in certain areas within and downgradient of the existing area of groundwater contamination.

The supplemental soil and groundwater investigation and targeted soil excavation interim measures were completed for the WPSA located south of the former Delphi Thermal Moraine Building 14 (ARCADIS, Inc. 2006) from 2000 to 2006. The soil investigation was completed for the box sewer located east of the former Moraine Engine in 2001 and 2002 (ARCADIS, Inc. 2002a). The soil and groundwater investigation was completed for the former Delphi Thermal Moraine Building 14 in 2004 and 2005 (ARCADIS, Inc. 2005a). These investigations were discussed in the Site Summary that was submitted to the U.S. EPA in June 2005 (ARCADIS, Inc. 2005b). A Revised Draft Corrective Measures Proposal (CMP) which served as an addendum to the IM/CM Report was also submitted to the U.S. EPA in June 2005 (BOW Environmental Solutions, Inc. 2005a). The Revised Draft CMP included revised corrective measures goals and updates to the final recommended site-wide remedy that were previously presented in the IM/CM Report. Since submittal of the Revised Draft CMP, GM implemented a supplemental groundwater investigation from 2005 to 2008 to further refine the understanding of groundwater chemistry and hydrogeology for the final corrective measures implementation. This groundwater investigation completed in 2006 was presented in the Corrective Measures Supplemental Groundwater Investigation Report (ARCADIS, Inc. 2007), along with recommendations for further focused study of groundwater chemistry and hydrogeology. This focused groundwater investigation was completed in 2007 and 2008. The results of these investigations are presented in this CMP along with the revised site conceptual model.

This CMP serves as a comprehensive document that includes a summary of all RFI, Supplemental RFI, and additional supplemental investigations that have been completed since approval of the RFI and Supplemental RFI Reports. Appendix A contains excerpts of pertinent information from the RFI/Supplemental RFI Reports. This CMP also includes a summary of the revised groundwater flow model (Appendix D), the off-site private well survey conducted in 2008 (Appendix F), the updated human health risk assessment (Appendix G), the interim measures (IMs) completed to date, the revised corrective measures goals, and the updated technology identification and screening. The final recommended site-wide corrective measures are also presented in this CMP.

2. Proposed Final Corrective Measures

The proposed final site-wide corrective measures for the Moraine Facilities includes a strategy which combines source treatment and containment with downgradient hydraulic control of groundwater and appropriate engineering and institutional controls to prevent potentially significant exposures during the implementation of these corrective measures. The specific elements of the CMP are:

1). Upper Aquifer Reactive Zone Corrective Measures: operation of in-situ remediation barriers in the upper aquifer downgradient and sidegradient of the Former Oil House Area and downgradient of the Moraine Assembly Process Waste Collection Systems (RZ-1, proposed relocated RZ-2, RZ-3, RZ-4) for treatment.

2). Upper Aquifer Capture Zone Corrective Measures: operation of an upper aquifer recovery well at the downgradient property boundary (TW-2) for hydraulic control.

3). Lower Aquifer Corrective Measures: operation of two lower aquifer recovery wells, one located downgradient of wells GM-68D/GM-75D for lower aquifer source containment and one downgradient of the Site property boundary (DN-13) for hydraulic control.

4). Corrective Measures Groundwater Monitoring: completion of monitoring groundwater quality associated with land-based units, performance monitoring for corrective measures, and the point of compliance wells.

5). Engineering/Institutional Controls: implementation of land and groundwater use restrictions via environmental covenants for the entire facility.

3. Facility Background

This section provides a site description and history, regulatory history, a summary of the RFI/Supplemental RFI activities and findings, a summary of the additional investigations completed subsequent to the RFI/Supplemental RFI, a summary of the IMs completed to date, and a discussion of the revised conceptual site model (CSM). The CSM includes the site characteristics, physical setting, refinements made to the geology, hydrogeology, groundwater flow model, and groundwater chemistry; and results of the off-site well search results.

3.1 Site Description and History

The Site has been used for industrial purposes since the property was acquired in the mid-1920's. The former Moraine Engine and Moraine Assembly facilities occupy approximately 300 acres, while the adjacent former Delphi Thermal Moraine facility occupies approximately 165 acres. The facilities are located in the City of Moraine in Montgomery County in southwestern Ohio. A small portion of the Moraine Assembly facility is located in the City of Kettering. Figure 1 presents the location of each facility, property boundaries, and site features.

Frigidaire (a former division of GM) produced appliances from the late 1920's until 1979. GM announced the shut down of all Frigidaire operations in January 1979. During 1980 and 1981, the majority of the former Frigidaire Plant 2 was converted to the former Moraine Engine facility, and the former Frigidaire Plant 3 and the northeast corner of former Frigidaire Plant 2 were converted to the Moraine Assembly facility. Since 1981, former Moraine Engine operations have included the machining, painting (this operation was discontinued in September 1995), and assembly of diesel truck engines. Operations at the former Moraine Engine facility ceased in the fall of 2000. The plant building has undergone decommissioning and demolition, and the majority of this site has been covered with a parking surface. GM operates a regional haulaway at the location of the former Moraine Engine plant, which is now referred to as the Vehicle Distribution Center.

Since 1981, Moraine Assembly operations included the manufacture, assembly, and painting of small trucks and later sport utility vehicles (SUVs). Currently Chevrolet TrailBlazers, GMC Envoys, and SAAB 9-7x's are produced at this facility.

Former Delphi Thermal Moraine's major operations, which began in 1941, included the machining and assembly of automotive air conditioning compressors, accumulator

dehydrators, and miscellaneous air conditioning valves. Delphi Corporation leased the property from GM from January 1999 through October 2003. Operations at the former Delphi Thermal Moraine Building 14 ceased in September 2003 and the building was decommissioned. As of October 1, 2003, management of the property has reverted to GM and GM remains the property owner. Demolition of Building 14 was completed in 2005. In June 2008, GM announced plans to shut down the Moraine Assembly plant. Closure of the plant will occur prior to or at the end of production of the 2010 model year.

3.2 Regulatory History

This section provides a chronological RCRA regulatory history for the Moraine Facilities.

The former Delphi Thermal Moraine contains North and South Settling Lagoons that are shown on Figure 1. The North Settling Lagoon received industrial wastewater from 1972 to 1979; received non-contact cooling water and storm water runoff from 1980 to 1984; and in 1984 process wastewaters were diverted to the on-site pre-treatment facility. The South Settling Lagoon received industrial wastewater from 1965 to 1979; received dilute acid and alkali rinses from small cleaning and non-cyanodic electroplating processes, water softening sludges, non-contact cooling water, storm water runoff, and fly ash dewatering filtrate from 1980 to 1985; and in 1985 process wastewaters were diverted to the on-site pre-treatment facility. Both lagoons were taken out of service in 1989.

GM filed a RCRA Part A-Application with Ohio EPA for interim status in November 1980. GM began detection monitoring at the North and South Settling Lagoons in February 1981. In 1984, assessment monitoring began for the North Settling Lagoon. The South Settling Lagoon remained in the detection monitoring program. By October 1988, GM expanded the groundwater monitoring assessment plan network for the North Settling Lagoon and expanded the groundwater detection network in the South Settling Lagoon in accordance with an agreed consent order with the State of Ohio. The assessment and detection monitoring programs continued until the lagoon closure activities were completed, as discussed below. Monitoring is now done as part of the RCRA corrective action site-wide groundwater monitoring program.

Delphi Thermal Moraine submitted closure plans for the North and South Settling Lagoons to U.S. EPA and Ohio EPA in November 1985 and November 1989. Closure discussions between GM and Ohio EPA were deferred by mutual agreement to

coordinate ultimate closure requirements with the corrective action requirements from the U.S. EPA Region V (the North and South Settling Lagoons were evaluated as SWMUs in the RFI at Delphi Thermal Moraine). During the summer of 1999, GM met with the Ohio EPA to present and discuss a revised approach for closure of the lagoons. This approach was presented to Ohio EPA in the Lagoon Closure Plan, dated June 2000 (Conestoga-Rovers & Associates, 2000), and approved by Ohio EPA in a letter to GM dated August 24, 2000. Closure activities were initiated in September 2000 and completed in June 2001. GM submitted the Closure Certification Report to Ohio EPA on August 10, 2001 (Conestoga-Rovers & Associates, 2001) and was approved by Ohio EPA in a letter to GM dated June 27, 2002. The Lagoon Post-Closure Plan (Conestoga-Rovers & Associates, 2002) was submitted to the Ohio EPA on December 13, 2002 and was approved by Ohio EPA in a letter to GM dated December 24, 2003.

Delphi Thermal Moraine received an Administrative Order (Docket No. V-W-91R-2) from the U.S. EPA Region V, which became effective on January 30, 1991. The Administrative Order, issued under Section 3008(h) of RCRA, as amended, 42 U.S.C. 6928(h), required Delphi Thermal Moraine to implement a RCRA Corrective Action program at the Moraine facility. GM met these requirements of the Administrative Order through the completion of a two-phased RFI at the Delphi Thermal Moraine facility and by implementing capture zone interim measures. The scope of the interim measures was presented in the Preliminary Interim Measures Work Plan (Geraghty & Miller, Inc. 1994a). The initial Interim Measure was implemented per the Final Interim Measures Design Plans (Geraghty & Miller, Inc. 1995), which was approved by the U.S. EPA on July 31, 1995. This initial, on-going interim measures consist of controlling migration of VOCs in the upper and lower aquifers at the southern property boundary through groundwater extraction at TW-2 and DN-13, respectively (Figure 2). The groundwater recovered by the upper aquifer recovery well TW-2 is treated using an air stripper tower and discharged through GM's NPDES permitted outfall to the Great Miami River. Groundwater is pumped from TW-2 at an average flow rate of approximately 145 gallons per minute (gpm). DN-13 is a lower aquifer well that Montgomery County has been using in a "Pump-to-Waste" Program since March 1990. The interim measure consists of continued pumping of DN-13 at an approximate rate of 1,100 gpm.

The results of the first phase of the RFI, completed in late 1992 and early 1993, at Delphi Thermal Moraine, was submitted to the U.S. EPA in July 1993 (Geraghty & Miller, Inc. 1993a). A second phase of the RFI was completed in 1994. The findings of both phases of the RFI for Delphi Thermal Moraine, including a BRA, were reported to

the U.S. EPA in a 1996 draft RCRA Facility Investigation Final Report (final issue date was April 2000 [ARCADIS Geraghty & Miller, Inc. 2000a and ENVIRON Corporation 2000a]). The draft RFI report determined that there were no unacceptable risks associated with soil/waste present in SWMUs investigated, and therefore, it was concluded that a Corrective Measures Study (CMS) was not necessary for the SWMUs investigated in the RFI at Delphi Thermal Moraine. The U.S. EPA issued comments to GM on the 1996 draft RFI report dated June 11, 1996 and GM responded to these comments on September 11, 1996. The U.S. EPA provided a reply to the comment responses in correspondence to GM dated October 1, 1996. To address the U.S. EPA's issues identified in this correspondence, GM agreed to add the Moraine Engine and Moraine Assembly facilities into the Corrective Action program. In response to the findings of the Preliminary Assessment/Visual Site Inspection (PA/VSI) reports (PRC Environmental Management, Inc. 1991a and b) for the former Moraine Engine and Moraine Assembly facilities, on-going RFI activities at the adjacent former Delphi Thermal Moraine, and the extensive discussions between U.S. EPA and GM, the U.S. EPA issued an Amendment to the Administrative Order (Docket No. VW-R-002-91), effective on April 24, 1997, which included the former Moraine Engine and Moraine Assembly facilities in the Corrective Action program. This Amendment required GM to conduct a supplemental RFI at the two additional facilities.

A multi-phased investigation was completed during the Supplemental RFI, which focused on the Former Oil House Area. The findings of the Supplemental RFI for the former Moraine Engine and Moraine Assembly facilities, including a Supplemental BRA, were reported in a draft Supplemental RFI Report submitted to the U.S. EPA and Ohio EPA in June 1999 (ARCADIS Geraghty & Miller, Inc. 2000b and ENVIRON Corporation 2000b [these reports were finalized and approved by U.S. EPA in April 2000]). The Supplemental RFI Report determined that constituent concentrations in soils at the AOIs at the former Moraine Engine and Moraine Assembly facilities do not pose an unacceptable risk. However, GM recommended and implemented additional interim measures to address VOCs in groundwater associated with the Former Oil House Area (AOI 7). A Primary Groundwater Source Area (AOI 7) Interim Measures Work Plan was submitted to the U.S. EPA and Ohio EPA in June 1999 and was approved by the U.S. EPA in July 1999 (ARCADIS Geraghty & Miller, Inc. 1999). This Work Plan recommended a combination of in-situ technologies to address chlorinated VOCs in shallow groundwater. The recommended in-situ technologies were implemented between September 1999 and May 2000. The results of these interim measures were presented in the IM/CM Report submitted to the U.S. EPA and Ohio EPA in March 2001 (ARCADIS Geraghty & Miller, Inc. 2001).

To provide a basis for evaluating the performance of these interim measures, the Work Plan proposed that a comprehensive site-wide groundwater sampling event for VOCs be conducted to establish a baseline data set. This baseline sampling for VOCs was completed in September 1999. A second site-wide groundwater sampling event was completed between September and October 2000. During this second site-wide event, at the request of U.S. EPA, groundwater samples were analyzed for Appendix IX VOCs by Method 8260 and cis-1,2-dichloroethene (cis-1,2-DCE), semi-volatile organic compounds (SVOCs) and metals to verify that current groundwater conditions were consistent with previous site conditions. The results of the 2000 sampling event confirmed that VOCs were the only constituents of potential concern in groundwater at the Site.

Environmental Indicator (EI) forms were prepared for the three GM Moraine facilities. Form CA 750 Migration of Contaminated Groundwater Under Control was approved by U.S. EPA in March 2001 for the three facilities. The positive determination on this form indicates that the migration of contaminated groundwater has stabilized and that monitoring will be conducted to confirm that contaminated groundwater remains within the original area of contaminated groundwater. Form CA 725 Current Human Exposures Under Control was approved for the Moraine Engine and Moraine Assembly facilities in December 2000 and for Delphi Thermal Moraine in September 2002. The positive determination on these forms indicates that there are no unacceptable human exposures to contamination that can be reasonably expected under current land- and groundwater-use conditions. GM continues to monitor conditions at and near the Site as part of the site-wide monitoring program to confirm that the conclusions of these Environmental Indicators remain valid.

In March 2000, GM submitted to the U.S. EPA a draft Site-Wide Groundwater Monitoring Plan to monitor the effectiveness of the interim measures and monitor groundwater quality upgradient and downgradient of the land-based units, including the closed North and South Settling Lagoons (ARCADIS, Inc. 2002b). GM received approval with comments on this plan from the U.S. EPA, dated June 16, 2000 and June 28, 2000. GM submitted responses to the U.S. EPA's comments on July 28, 2000. The U.S. EPA submitted an additional set of comments to GM on September 15, 2000 and GM submitted responses to the U.S. EPA's comments on November 17, 2000. GM received approval on the Site-Wide Groundwater Monitoring Plan (Appendix A to the Lagoon Post-Closure Plan [Conestoga-Rovers & Associates, 2002]) from Ohio EPA in a letter dated December 24, 2003. GM continues to implement this site-wide groundwater monitoring program and submits annual reports to the U.S. EPA and Ohio EPA by March 1st of each year.

3.3 Evaluation of SWMUs/AOIs

SWMUs identified at the former Delphi Thermal and AOIs identified at the former Moraine Engine and Moraine Assembly were reviewed and evaluated in the DOCC (Geraghty & Miller, Inc. 1991) and Supplemental DOCC (Geraghty & Miller, Inc. 1997a) reports, respectively. Two additional SWMUs were identified in the Interim RFI Report for the former Delphi Thermal (Geraghty & Miller, Inc. 1993a). SWMUs/AOIs were evaluated to determine if the unit constituted a potentially significant source and if further investigation would be warranted. Supporting information on the SWMU/AOI evaluation is presented in Appendix A.

3.3.1 Former Delphi Thermal SWMUs

The following SWMUs were reviewed and those SWMUs retained for further investigation are highlighted with an asterisk (*):

- Landfill L1*,
- Landfill L2*,
- Landfill L3*,
- North Settling Lagoon (retained for further evaluation),
- South Settling Lagoon (retained for further evaluation),
- Waste Pile/Staging Area*,
- Underground Storage Tanks T1, T2, T3, T4*, T5/T6*, T7, T8, T9, T10, T11*,T12* West Tank Farm*, South Tank Farm*,
- Incinerator I-1,
- Drum Storage Area C-1,
- Liquid Waste Burner*, and
- Fill Area*.

After approval of the RFI, the former Delphi Thermal Moraine Building 14 was identified for investigation.

3.3.2 Former Moraine Engine and Moraine Assembly AOIs

The following AOIs were reviewed and those AOIs retained for further investigation are highlighted with an asterisk (*):

- AOI 1 - Former Acid-Alkali Tank for #2 and #4 Anozide Systems,
- AOI 2 - Former Acid-Alkali Tank for #5 Anozide System,
- AOI 3 - Former Acid-Alkali Tank for #6 Anozide System,
- AOI 4 - Former Acid-Alkali Tank for Hand Anodize Process,
- AOI 5 - Former Acid-Alkali Tank for #4 Pickle Process,
- AOI 6 - Former Acid-Alkali Tank for Udylite Etch System,
- AOI 7 - Former Oil House Area*,
- AOI 8 - Former Acid-Alkali Tanks for Plating/Pickling Processes,
- AOI 9 - Former Cyanide Processing Tank,
- AOI 10 - Oil Separator Area,
- AOI 11 - Former Porcelain Manufacturing Area,
- AOI 12 - Former Frigidaire Plant 3 USTs,
- AOI 13 - Buildings 4, 6, and 13*,
- AOI 14 - Former Hazardous Waste Storage Pad,
- AOI 15 - Former Frigidaire Plant 2 Tanks - Three Oil Tanks,

- AOI 16 - Former Frigidaire Plant 2 Tanks - Gasoline Tank,
- AOI 17 - Building 15*,
- AOI 18 - Former Moraine Engine Fuel USTs,
- AOI 19 - Chip Salvage Area,
- AOI 20 - Moraine Engine Tank Farm,
- AOI 21 - High Bay Area Storage Pad,
- AOI 22 - Satellite Accumulation Areas,
- AOI 23 - Wastewater Collection System,
- AOI 24 - Non-Hazardous Waste Storage Pad,
- AOI 25 - Former Paint Shop Sludge Pits,
- AOI 26 - Moraine Assembly Process Waste Collection Systems,
- AOI 27 - Former Hazardous Waste Container Storage Area,
- AOI 28 - Moraine Assembly Tank Farm,
- AOI 29 - Mix Room Storage Tank,
- AOI 30 - Moraine Assembly Flammable Collection/Storage Containment Area,
- AOI 31 - Moraine Assembly West Haulaway Storage Tanks,
- AOI 32 - Moraine Assembly East Haulaway Storage Tank,
- AOI 33 - Moraine Assembly Former Paint Shop Storage Tanks,
- AOI 34 - Excavation Area 1*,

- AOI 35 - Excavation Area 2*, and
- AOI 36 - Former Southwest ASTs*.

After approval of the RFI, the Moraine Facilities box sewer was identified for investigation.

3.4 Summary of RFI/Supplemental RFI Activities

The RFI activities included the characterization of soils, groundwater and ditch sediments at specific SWMUs and AOIs identified at the three facilities. The RFI also included completion of a background soil investigation and development of a groundwater flow model to support the BRA. These RFI activities are discussed in this section. A summary of the SWMUs/AOIs that were investigated during the RFI at all three facilities are presented below, along with an overview of the sampling programs completed during the multi-phased investigations. Supporting information for the RFI/Supplemental RFI is presented in Appendix A.

3.4.1 RFI Background Soil Investigation

In order to evaluate potential releases of inorganic hazardous constituents from SWMUs/AOIs, a background soil investigation was conducted in 1992. To obtain background soil concentrations, 12 borings were drilled to a total depth of 16 ft in an area not known to be associated with current or former manufacturing operations or affected by waste management activities at the Delphi Thermal Moraine facility. Both shallow and deep samples were collected from these borings. Additional information on the background soil investigation is presented in the Soil Background Analytical Results Report (Geraghty & Miller, Inc., 1993b) and the Delphi Thermal Moraine RFI Report (ARCADIS Geraghty & Miller, Inc., 2000b).

3.4.2 Groundwater Flow Model

A three-dimensional steady-state groundwater flow model was developed to support the characterization and assessment of hydrogeologic conditions, the RFI investigations, the BRA, the capture zone corrective measures, and the Corrective Action completion strategy. The model construction and calibration was documented in the 1994 Revised Three-Dimensional Steady-State Flow Model Construction and Calibration Report (Geraghty & Miller, Inc., 1994b).

3.4.3 Summary of Investigations at the Former Delphi Thermal Moraine

During the Delphi Thermal Moraine RFI, three landfills (Landfill L1, L2, and L3), five underground storage tanks (USTs T4, T5/T6, T11, T12), the WPSA, the Liquid Waste Burner, and the Fill Area were investigated. The two surface impoundments (North and South Settling Lagoons) were further evaluated during the RFI using data previously collected for the RCRA closure program. Additional areas of investigation were also addressed during the RFI. These areas included surface water/sediment and the groundwater quality south of Landfill L1. Locations of the SWMUs and additional areas of investigation are shown on Figure 3. Descriptions of the SWMUs and additional areas investigated during the RFI are excerpted from the RFI Report and presented below. Two rounds of groundwater sampling were also conducted during the Delphi Thermal Moraine RFI. The RFI groundwater, soil, surface water/sediment and waste sampling programs were completed between 1992 and 1994.

3.4.3.1 Landfills

Three landfills (Landfills L1, L2, and L3) on the Delphi Thermal site were investigated during the RFI; these landfills are pre-RCRA, unlined disposal areas. Landfill L1 is located at the southern end of the facility and covers an area of approximately 7.8 acres; it was used for the collection and disposal of wastes generated by the previous plant operator, Frigidaire, for more than 20 years. Landfill L2 is located north of Building 14 and east of the wastewater treatment facility, and covers an area of approximately 3.7 acres; it was used for the collection and disposal of waste generated by Frigidaire from 1950 to 1975. Landfill L3 is located immediately northeast of the North Settling Lagoon and northwest of Landfill L2, and covers an area of approximately 1.6 acres; it was used for the collection and disposal of sludge from the adjacent North Settling Lagoon System. An estimated 25,000 cubic yards of sludge were placed in Landfill L3 from 1972 to 1979. During the RFI geophysical surveys were conducted at the landfills to delineate the waste boundary. Surficial soil samples were collected for waste characterization and groundwater samples were collected from monitoring wells in the vicinity of the landfills to characterize groundwater quality.

3.4.3.2 Surface Impoundments

Two surface impoundment SWMUs, the North and South Settling Lagoon systems, were investigated during the RFI. These SWMUs were subsequently closed as required by the Ohio EPA under RCRA closure. The North Settling Lagoon is located

east of Dryden Road, west of the wastewater treatment facility, north of Building 14, and south of Northlawn Avenue. The North Settling Lagoon covers approximately 4.6 acres. The South Settling Lagoon is located east of Interstate 75, west of Dryden Road, north of Sellars Road, and south of East River Road. This lagoon covers an estimated area of 7.9 acres. Details of the operating history for these two SWMUs are provided in the DOCC (Geraghty & Miller, Inc. 1991). Sludge and subsoil samples collected in support of RCRA closure were used for the RFI evaluation. Groundwater samples were collected from monitoring wells in the vicinity of the lagoons to characterize groundwater quality.

As discussed in Section 3.2, the North and South Settling Lagoons were closed under Ohio EPA regulations. The approved Lagoon Post-Closure Plan (Conestoga-Rovers & Associates, 2002) includes the post-closure care requirements.

3.4.3.3 Underground Storage Tanks

The Administrative Order listed 19 underground storage tanks (USTs) to be investigated under the RFI; 15 of the 19 USTs were removed before the RFI. Three of the four remaining USTs (T1 [10,000-gallon tank], T4 [10,000 gallon tank], and T12 [50,000-gallon tank]) were removed during the RFI. UST T11 was used as part of the oily waste collection system associated with the WPSA. USTs T1, T4, and T12 were used to hold a similar waste fluid consisting of wash water or spent detergent solution from a process that used polyester resins or potting compounds. RFI investigative activities were performed at the West Tank Farm, at the South Tank Farm, and at USTs T4, T5/T6, T11, and T12. Soil samples were collected for release determination and characterization and groundwater samples were collected for characterization purposes at the West Tank Farm, South Tank Farm, T11, and T12. Soil samples were collected for release determination at T4, T5, and T6.

3.4.3.4 Waste Pile/Staging Area

The WPSA is located just north of Landfill L1 and east of Building 21. This SWMU consists of a three-sided sludge bunker (90 feet by 30 feet by 5 feet high), a concrete staging area, and drainage system associated with this area. The WPSA covered approximately 2 acres. The sludge bunker and staging area were originally constructed in 1976. This SWMU was used to manage grinding sludge from aluminum, steel, and cast iron machinery operations, steel and aluminum turnings and empty drums. Soil samples were collected for release determination and

characterization and groundwater samples were collected for characterization purposes at the WPSA.

3.4.3.5 Liquid Waste Burner

The Liquid Waste Burner (LWB) was in operation from approximately 1957 to 1970; its purpose was to incinerate spent solvents and oils. The liquids were transferred from on-site locations to the LWB in 55-gallon drums and emptied into two adjacent underground holding tanks for temporary storage. The liquids were then fed to the LWB and incinerated. Surface and subsurface soil samples were collected from the LWB for release determination and characterization.

3.4.3.6 Fill Area

Before the south parking lot was constructed, fill material was used to bring the area up to grade level. The fill material consisted of approximately 75 percent bottom ash (clinkers) from two solid waste incinerators (burned combustible solid waste, such as wood, paper, and cardboard) and approximately 25 percent porcelain sludge from an on-site manufacturing process. Figure 3 shows the location and approximate aerial extent of the fill area (approximately 2.9 acres). Soil samples were collected for waste delineation, release determination and characterization and groundwater samples were collected for characterization purposes at the Fill Area.

3.4.3.7 Additional Areas of Investigation

Soil samples were collected from 12 borings during Phase I in the background area to obtain data concerning background concentrations of metals in soils. Two additional borings were drilled during Phase II of the RFI to collect soil samples for analysis of acetone, which had been detected in the background soil samples collected during Phase I. Surface water/sediment samples were collected to support the risk assessment, to determine background conditions for surface water and sediment, and to determine if further sampling was required. The area south of Landfill L1 was investigated to further define the extent of groundwater contamination in that area by collecting groundwater samples from an existing upper aquifer monitor well, WSU-24, and from a lower aquifer monitor well, GM-20D, that was installed during Phase II of the RFI. Soil samples were collected during the installation of Well GM-20D to determine whether the soil contained hazardous constituents. Figure 3 shows the location of these additional areas of investigation.

3.4.4 Summary of Investigations at the Former Moraine Engine/Moraine Assembly

During the former Moraine Engine and Moraine Assembly Supplemental RFI, investigations were completed at the following six AOIs: AOI 7 - Former Oil House Area, AOI 13 - Buildings 4, 6, and 13, AOI 17 - Building 15, AOI 34 - Excavation Area 1, AOI 35 - Excavation Area 2, and AOI 36 - Former Southwest Above Ground Storage Tanks (ASTs). Locations of the AOIs are shown on Figure 4. Descriptions of the AOIs investigated during the Supplemental RFI are excerpted from the IM/CM Report and are presented below. Groundwater was characterized on a site-wide basis and one round of groundwater sampling was conducted during the former Moraine Engine and Moraine Assembly Supplemental RFI (wells located at former Moraine Engine, Moraine Assembly, and former Delphi Thermal Moraine). Additional groundwater sampling was conducted along with the AOI 7 investigation. The Supplemental RFI groundwater and soil sampling programs were completed between 1997 and 1998.

3.4.4.1 AOI 7 – Former Oil House Area

The Former Oil House (Building 7) was located north of the Moraine Engine Plant 3 (former Frigidaire Plant 2), and was built at least as early as 1949. The Former Oil House Area consisted of the Oil House (Building 7) and an outdoor area that contained USTs, ASTs, and a drum storage area. This AOI was removed from service in 1979 when at least three buildings were demolished and all tanks were removed and either replaced or reused. The Oil House Building 7 and associated outside structures covered a total area of approximately 48,000 square ft.

Virgin paints and chemicals necessary for production at the Frigidaire facilities were stored and mixed in the Oil House, and pumped or transferred to various production areas. Materials were stored in both drums and tanks. Materials were shipped to this area by railroad tank cars and tanker trucks. Virgin chemicals including oils, paints, thinners, solvents, acids, toluene diisocyanate (TDI) and resins were stored inside the Oil House. Alcohols were reclaimed and solvent blending activities were conducted at the Oil House.

The outdoor area just north of the Oil House had seventeen 8,000 to 15,000-gallon ASTs used to store oil, solvents, acids and other production materials, and three 15,000-gallon USTs used to store oil. According to the 1976 Spill Prevention Control and Countermeasure (SPCC) Plan (General Motors Corporation 1976), these tanks had a gravel floor and concrete containment dikes for spill containment. A drummed waste storage area was also located just north of the Oil House and was used to store

drummed waste oils, thinners, alcohols, still bottoms from the Oil House and sludges containing chromium, nickel, and phosphorus.

Additionally, a May 1979 aerial photograph shows an area north of the Oil House was used for temporary storage of equipment, boxes, and drums during the conversion of Frigidaire Plant 2. As stated in the Supplemental DOCC, GM announced the shut down of all Frigidaire operations in January 1979. During 1980 and 1981, the majority of the former Frigidaire Plant 2 was converted to the Moraine Engine facility. A November 1979 aerial photograph showed that Building 7 had been demolished, and did not show evidence of the equipment, boxes, and drums seen in the May 1979 aerial photograph. Copies of both the aerial photographs were included in the October 16, 1998 letter from Delphi Thermal to U.S. EPA, which is presented in the Supplemental RFI Report.

AOI 7 is currently covered with asphalt. As concluded in the Supplemental DOCC, AOI 7 may be a potentially significant source for soil and groundwater contamination, and further investigation was warranted under the Supplemental RFI. Soil samples were collected for release determination and characterization and groundwater samples were collected for characterization purposes at AOI 7.

3.4.4.2 AOI 13 – Former Buildings 4, 6, and 13

Buildings 4, 6, and 13 of the Frigidaire facilities were located south of the Moraine Engine Plant 3. Buildings 4 and 6 (also known as Moraine Engine Plant 4) consisted of approximately 300,000 square ft. Buildings 4 and 6 were constructed in 1917 and 1926, respectively, and the buildings had many previous uses including manufacturing of service parts, chemical storage, storage for oil recovery, and offices. Frigidaire discontinued operations in 1979, and by late 1981 these buildings were unoccupied.

In 1983, GM removed ten polychlorinated biphenyls (PCB)-contaminated electrical transformers from Buildings 4 and 6 and disposed of them off site at a Toxic Substances Control Act (TSCA)-approved facility. Prior to 1985, GM removed asbestos from piping within Buildings 4 and 6 and disposed of this material in an approved off-site facility. In 1990, GM conducted a comprehensive study of the wood floor block in these buildings. The results indicated that PCB's were present in the floor block. The wood floor block was removed, the concrete floor beneath the wood floor block was cleaned and PCB sampling was conducted to confirm removal. Additionally, an area on the south side of Building 4, formerly used for plating, was

impacted by metals (primarily cadmium). Decontamination activities began in 1995 and demolition of Buildings 4 and 6 took place in 1996.

Building 13 (also known as Moraine Engine Plant 5) was built in 1916 by the Cleveland and Lake Erie Railroad Company (C&LE) and was used for railroad maintenance. It covered an area of approximately 60,000 square ft. GM acquired the building in 1941. From 1941 until 1979, the building was used for maintenance purposes and storage. After 1979, part of Building 13 was used as a Hazardous Waste Storage Pad. The concrete storage pad covered an area of 2,400 square ft and had the capacity to store 250 55-gallon drums. It was used for storage of drummed quantities of waste paint thinner and sludges, chlorinated solvents, and non-hazardous waste oil and process fluids prior to removal from the facility. The former Hazardous Waste Storage Pad was clean closed in 1993, and closure was approved by the Ohio EPA. Cleaning and decontamination activities of the remainder of the building began in 1995, and demolition of Building 13 took place in 1996. During demolition, a portion of a UST was found. The partial tank was approximately 5,000 gallons in volume and was determined to previously have contained fuel oil used for heating purposes. The UST was taken out of service prior to 1970. Soil samples were collected from the cavity wall during demolition activities and the results were well below the applicable Bureau of Underground Storage Tank Regulations (BUSTR) standards.

AOI 13 is currently covered with an asphalt parking lot that was constructed in 1998. As concluded in the Supplemental DOCC, there was a potential for AOI 13 to have been a potentially significant source for soil and groundwater contamination, and further investigation was warranted under the Supplemental RFI. Soil samples were collected for release determination and characterization purposes.

3.4.4.3 AOI 17 – Former Building 15

AOI 17 includes Building 15 and a former Frigidaire Plant 2 used-oil UST. Building 15 covered an area of approximately 17,000 square ft, and based on a review of aerial photographs, it was constructed prior to 1949. The building was used for maintenance purposes and included a truck maintenance repair area, an equipment steam booth area and a maintenance spray booth area located in the center of the building. The 900-gallon steel UST located south of Building 13 and north of Building 15 was used to store used oil from garage operations. It is unknown when this tank began operation. The used oil present in the UST at closure contained VOCs (ethylbenzene, tetrachloroethene [PCE], toluene, and xylenes), but no VOCs were detected in the soil

tested during closure activities. It was removed and clean closed under the BUSTR in 1994.

AOI 17 is currently covered with an asphalt parking lot that was constructed in 1998 (Building 15 was demolished and removed as part of the parking lot construction). As concluded in the Supplemental DOCC, there was a potential for AOI 17 to have served as a historical source of chlorinated VOCs detected in monitoring well GM-21, and further investigation was warranted under the Supplemental RFI. Soil samples were collected for release determination and characterization purposes.

3.4.4.4 AOI 34 – Excavation Area 1

AOI 34 was located north of the Moraine Engine Plant 3 and west of Springboro Road, and was identified from a 1956 aerial photograph. The excavation area was approximately 300 ft long by 40 ft wide, with the southern end containing a depression that was possibly filled with liquid. This area was covered with grass at the time the Supplemental DOCC was completed and during the Supplemental RFI sampling (conducted in August 1997). No information was available regarding the types of materials which may have been handled in this area and their potential for releasing hazardous constituents. As concluded in the Supplemental DOCC, no specific basis existed for further investigation at AOI 34; however, a limited investigation to assess the potential presence of contamination was recommended. AOI 34 is currently covered with an asphalt parking lot that was constructed in 1998. Soil samples were collected for release determination and characterization purposes.

3.4.4.5 AOI 35 – Excavation Area 2

AOI 35 was located north of the Moraine Assembly Plant 1 and east of Springboro Road, and was identified from a 1956 aerial photograph. The excavation area was approximately 200 ft long by 150 ft wide. This area was covered by a parking lot at the time the Supplemental DOCC was completed and during the Supplemental RFI sampling (conducted in August 1997). No information was available regarding the types of materials which may have been handled in this area and their potential for releasing hazardous constituents. As concluded in the Supplemental DOCC, no specific basis existed for further investigation at AOI 35; however, a limited investigation to assess the potential presence of contamination was recommended. AOI 35 is currently covered by the parking lot associated with the Moraine Assembly plant. Construction activities began in late 1997 and were completed in 1999. Soil samples were collected for release determination and characterization purposes.

3.4.4.6 AOI 36 – Former Southwest Above Ground Storage Tanks

AOI 36 was located in the southwest corner of the Moraine Engine facility and consisted of four sets of concrete AST saddles. The two southern-most sets of saddles consisted of four larger saddles per tank and were contained in an earthen dike area approximately 50 ft by 70 ft. The two northern-most sets of saddles consisted of two saddles per tank and were contained in a separate 40 ft by 55 ft earthen dike area. These tank saddles and earthen berms were identified during a site walkover in June 1997. A review of aerial photographs indicated that the two southern-most tanks were installed prior to 1949. One tank was installed on the northern-most set of saddles between 1949 and 1956. These three tanks were present in the 1975 aerial photograph, but had been removed prior to the 1990 aerial photograph. There was no evidence that the fourth set of saddles was ever used. Use of these tanks was thought to have ceased prior to the early 1970's; however, the tank saddles and earthen berms were still present during the Supplemental RFI investigation. No information was available regarding the types of materials which may have been handled in this area and their potential for releasing hazardous constituents. AOI 36 is currently covered with an asphalt parking lot that was constructed in 1998. As concluded in the Supplemental DOCC, no specific basis existed for further investigation at AOI 36; however, given the probable use of the area for storage of liquid materials, a limited investigation to determine if a release had occurred was recommended under the Supplemental RFI. Soil samples were collected for release determination and characterization purposes.

3.4.5 Box Sewer

Frigidaire previously owned by GM, conducted operations at the former Moraine Facilities until 1979. The box sewer was used by Frigidaire to convey process water before GM converted Plants 2 and 3 into the Moraine Engine and Moraine Assembly facilities in 1979-80. Prior to and as part of the conversion, all process waste connections to the box sewer were terminated. Subsequently, only storm water runoff from paved areas and roof drains and non-contact cooling water entered the sewer. Flow exiting the box sewer entered a 54-inch diameter storm sewer that flowed west to a storm water retention basin at the former Delphi Thermal Moraine facility, which was part of the Storm Water Management System for the site. The box sewer runs parallel to the east wall of the former Plants 2 and 3 and is approximately 2,300 linear feet (ft) in length, 9 ft in width, and 10 ft high (Figure 4). The top of the box sewer is at grade and the bottom of the box sewer is 10 ft below grade. Operation of the Moraine Engine

plant ceased in the fall of 2000. Plant decommissioning and demolition was completed in early summer of 2001.

In December 2000 and February 2001, prior to sediment removal, the sediment in the box sewer was assessed as part of the site decommissioning activities performed by REALM. The box sewer was sectioned into 27 quadrants and a sediment sample was collected from each quadrant. Sediment samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP), VOCs, and PCBs in order to characterize the sediment for disposal purposes. REALM conducted the box sewer cleaning between June and July 2001. The average depth of sediment in the box sewer prior to cleaning was 2 ft. Sediments were removed from the box sewer and placed in lined roll-off containers for proper off-site management and disposal. After cleaning, the box sewer was inspected on August 9, 2001. As a result of the inspection, several areas were identified as potential locations where historic releases from the box sewer may have occurred. Soil samples were collected for release determination and characterization purposes.

3.4.6 Waste Pile/Staging Area

As discussed in Section 3.4.3.4, the WPSA was investigated as a SWMU during the former Delphi Thermal Moraine RFI. The RFI objective for this unit was release determination and characterization, and groundwater quality characterization. A total of seven borings were installed in 1992 and 1994 to collect subsurface soil samples. Samples were collected and analyzed for Target Compound List (TCL) VOCs, TCL SVOCs, PCBs, pesticides/herbicides, and Target Analyte List (TAL) metals. Results are presented and discussed in the Delphi Thermal Moraine RFI Report (ARCADIS Geraghty & Miller, Inc. 2000a). The RFI Report concluded that the investigation activities conducted at the WPSA provided sufficient detail to meet the RFI objectives and provide adequate characterization to support the RFI BRA. Based on the data collected during the RFI, it was concluded in the RFI BRA that no further action was warranted for soil at the WPSA (ENVIRON Corporation 2000a), although it was identified as a potential source of metals to groundwater (ENVIRON Corporation 2000b).

In order to address U.S. EPA comments on the Supplemental RFI dated April 2000 (ARCADIS Geraghty & Miller, Inc. 2000b) and the draft Site-Wide Groundwater Monitoring Plan dated March 2000, and continued use of the unit after 1994 until it was taken out of service in 2003, GM agreed to conduct additional investigations at the WPSA. GM submitted a work plan for this additional investigation dated November 30,

2000 (ARCADIS Geraghty & Miller, Inc. 2000c). The U.S. EPA approved this work plan in correspondence dated January 3, 2001. The additional soil and groundwater investigation was conducted in April 2001. The evaluation of soil was completed through the installation of thirteen soil borings. The evaluation of groundwater was completed through the installation of six new monitoring wells upgradient and downgradient of the WPSA, screened in the upper or lower portions of the upper aquifer, and the collection of groundwater samples from 12 temporary well points from the borings installed within the WPSA. The April 2001 investigation was summarized and presented to the U.S. EPA in the Waste Pile/Staging Area Investigation Interim Report (ARCADIS, Inc. 2002c). As presented in this report it was concluded that additional characterization of constituents in soil was needed along the western, southern, and eastern portions of the WPSA. The report also concluded that an additional groundwater sampling event was needed to further characterize the nature and extent of constituents detected in the April 2001 investigation.

The additional recommended characterization was completed in 2002 and 2003. This additional investigation was completed through the installation of fourteen soil borings in August 2002, November 2002, and March 2003. Soil samples from these borings were collected from targeted depths and analyzed for targeted constituents. Re-sampling of groundwater from monitoring wells GM-33 through GM-38 was also completed in August 2002. Based on GM's review and evaluation of the soil sampling conducted in August 2002, November 2002, and March 2003, and the groundwater sampling conducted in August 2002, GM proposed an additional investigation of the WPSA to complete the characterization necessary to determine the nature and extent of constituents in soil (correspondence from GM to U.S. EPA, dated October 3, 2003). These data were needed to support an evaluation of risk under current and reasonably expected future conditions, and to support an evaluation of interim or corrective measures alternatives for this SWMU. In October 2003, three additional borings were installed and soil samples collected for targeted constituents.

3.4.7 Former Building 14

The former Delphi Thermal Moraine conducted their main manufacturing activities in the former Building 14, which was constructed in stages starting with the first structure in 1941 and the last addition completed in 1976 resulting in a total floor space of approximately two million square feet. The former Delphi Thermal Moraine's major operations, which began in 1941, included the machining and assembly of automotive air conditioning compressors, accumulator dehydrators, and miscellaneous air conditioning valves. Operations at the former Delphi Thermal Moraine Building 14

ceased in September 2003 and the building was decommissioned. As of October 1, 2003, management of the building has reverted to GM and GM remains the property owner. Demolition of Building 14 was completed in 2005.

As proposed in GM's July 14, 2004 submittal to U.S. EPA, a supplemental soil and groundwater investigation was conducted at the former Delphi Thermal Moraine Building 14 (former Building 14) in August 2004. The investigation results were presented in the Former Building 14 Investigation Summary Report (ARCADIS, Inc. 2005a).

3.5 Summary of Interim Measures

3.5.1 Capture Zones

Based on a review of potential technologies which could be applied at the GM site to address VOCs in groundwater at the property boundary, hydraulic controls were selected to achieve the interim measures objectives. The capture zone interim measure for the upper aquifer consists of groundwater extraction at the property boundary using well TW-2; treatment through an air stripper tower; and discharge through GM's NPDES permitted outfall to the Great Miami River. Additional system design information is presented in the Preliminary Interim Measures Work Plan (Geraghty & Miller, Inc. 1994a) and the Final Interim Measures Design Plans (Geraghty & Miller, Inc. 1995). Groundwater recovery from TW-2 began on January 31, 1996. During the 12 years of operation (January 31, 1996 through December 31, 2007), the system has recovered and treated a total of 791,655,020 gallons of groundwater at an average flow rate of approximately 145 gpm. The location of recovery well TW-2 is shown on Figure 2.

Well DN-13 is a lower aquifer well that Montgomery County has been using in a Pump-to-Waste Program since March 1990. The capture zone interim measure for the lower aquifer consists of continued pumping of DN-13 at an approximate rate of 1,100 gpm. The location of well DN-13 is shown on Figure 2. As discussed in Sections 2 and 6, the current capture zones in the upper and lower aquifers are part of the final corrective measures.

3.5.2 In-Situ Reactive Zones

Based on a review of potential remedial technologies which could be applied at the GM site to address VOCs in groundwater at and emanating from AOI 7, two remediation

technologies were selected as the most likely to achieve the interim measures objectives. One of these is a chemical (non-biological) oxidation of the contaminants using hydrogen peroxide and the creation of Fenton's reagent; the other is enhanced bioremediation, primarily via the reductive dechlorination process. The system design for these in-situ technologies was presented in the Primary Groundwater Source Area (AOI 7) Interim Measures Work Plan (ARCADIS Geraghty & Miller, Inc. 1999).

The chemical oxidation technology was selected for the AOI 7 primary source area which contains the highest VOC concentrations because this technology provides the greatest potential for rapidly reducing high VOC concentrations. Chemical oxidation as a remedial alternative is based on the introduction of an oxidant, such as hydrogen peroxide (H_2O_2), into the subsurface. The resulting hydroxyl radicals (OH^-), a strong chemical oxidizer, can create an environment which oxidizes organic compounds such as PCE and TCE (and their degradation daughter products 1,2-DCE and vinyl chloride). The reaction is a nearly instantaneous oxidation of these compounds upon contact with the hydroxyl radicals. Fenton's reagent, a combination of hydrogen peroxide and ferrous salts, can be used to cost-effectively create hydroxyl radicals. The in-situ oxidation testing within AOI 7 was conducted in 1999 and 2000. Based on the results of this testing presented in the IM/CM Report, GM concluded that in-situ oxidation is a potentially viable technology at this site and continued implementation should result in the desired reduction of VOC concentrations; however, the radius of influence achieved with this technology was limited and due to the large amounts of chemicals needed, special considerations of safety concerns associated with technology implementation would be required.

The reductive dechlorination of chlorinated VOCs in groundwater can be enhanced by the introduction of a carbon source that stimulates activity of indigenous microorganisms. The high carbon loading triggers a succession of microbial species. Initially, aerobic electron acceptors such as oxygen and nitrate are consumed. Then, the microbial succession leads to a consortium of species that survive by sulfate reduction, methanogenesis and other similar metabolic pathways, supporting the highly reducing conditions necessary for the dechlorination of PCE, TCE, cis-1,2-DCE, and vinyl chloride. This enhanced reductive dechlorination process has been developed at the GM Moraine site through the use of reactive zones for introduction of a degradable carbon source necessary to develop the desired reducing conditions.

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Enhanced reductive dechlorination was implemented in 1999 as a component of the Former Oil House Area corrective measures at three zones: 1) at the southern boundary of the Former Oil House Area (RZ-1); 2) at an intermediate downgradient location south of the Former Oil House Area in the ME well series area (RZ-2 which was operated from 1999 to 2002); and 3) at a downgradient location south of former Delphi Thermal Moraine (RZ-3 West) and the former Moraine Engine plant (RZ-3 East). Using the data obtained from the Supplemental Groundwater Investigation conducted in 2006, RZ-4 was designed and installed to address VOC impacts identified west of RZ-3 West (GM-16). The RZ locations are shown on Figure 2.

- At RZ-1, molasses solution was introduced into the upper aquifer, above the upper clay till. The carbon injection wells are screened across the lower 10 ft of the upper aquifer, which is 4 ft to 12 ft thick. RZ-1 consists of 21 introduction wells, of which 12 wells (RZ-1J through RZ-1U) were added in 2002, to expand RZ-1. Several monthly carbon introductions were completed in existing wells upgradient of GM-23 (OW-1, OW-2, and OW-3) to demonstrate the ability to solubilize and biodegrade the previously adsorbed VOCs in this area.

- Former RZ-2 consisted of four monitoring wells (ME-1 [abandoned], ME-2, ME-4, ME-5 [abandoned]), located along the western edge of the former Moraine Engine Plant 3 building. The RZ-2 wells were screened within the upper 3 ft of the upper aquifer. RZ-2 was operated from 1999 to 2002. Re-establishment of or enhancement to in situ reactive zone RZ-2 is further evaluated as part of this CMP.

- RZ-3 consists of 46 introduction wells, 30 wells in RZ-3 West (RZ-3A through RZ-3DD) and 16 wells in RZ-3 East (RZ-3FF through RZ-3KK, and RZ-3MM through RZ-3VV). At RZ-3, the carbon injection wells were screened from approximately the aquifer surface to a depth of 46 ft to 68 ft bls, allowing carbon introduction through the lower 20 to 30 feet of the upper aquifer. Introduction wells RZ-3RR through RZ-3VV were installed in April 2005 in order to establish a reactive zone further down-gradient and closer to the property boundary. The additional

introduction wells were screened from 34 ft to 54 ft bls. Wells RZ-3MM through RZ-3QQ have not been operated since the installation of RZ-3RR through RZ-3VV in 2005, therefore, of the 16 existing introduction wells in RZ-3 East, only 11 are active. RZ-3 has been reevaluated as part of this CMP.

- RZ-4 consists of 15 introduction wells, 7 wells in RZ-4 West (RZ-4I through RZ-4O) and 8 wells in RZ-4 East (RZ-4A through RZ-4H). These wells were installed in July 2006. The RZ-4 West wells are located in the southeast corner of the closed South Settling Lagoon and the RZ-4 East wells are located north of Landfill L1 and west of the WPSA. At RZ-4, the carbon injection wells were screened from approximately the aquifer surface to a depth of 57 ft to 62 ft bls, allowing carbon introduction through the lower 30 feet of the upper aquifer. RZ-4 has been reevaluated as part of this CMP.

To establish conditions conducive to ERD within reactive zones RZ-1, RZ-2, and RZ-3, a readily degradable carbon source (a dilute solution of molasses and potable water) was periodically delivered into the reactive zone introduction wells during a 6-month period from December 1999 to May 2000. The molasses solution consisted of either a 10-to-1 or 20–to-1 ratio of potable water to feed-grade molasses that was pumped into each RZ well. The initial event, conducted in December 1999, consisted of two consecutive rounds of carbon source introductions in each RZ well. After the initial introduction event, the carbon source solution introductions were scheduled twice per month through May 2000. Due to the success during the first six months of implementing this technology, carbon source introduction activities continued in October, November, and December 2000, and subsequently from June 2001 through December 2007.

Introductions in RZ-1 were modified in the fall of 2003 after review of the previous site-wide groundwater analytical results. Due to the success of RZ-1, GM implemented a reduced carbon loading frequency of one introduction event every other month, and periodically monitored GM-28 to ensure that the necessary reducing conditions were being sustained to promote the dechlorination process. In May 2005, the introduction routine was changed to two injections every quarter to ensure reducing conditions are maintained and sufficient carbon is available to allow for complete degradation of the VOCs. This injection schedule of two per quarter was followed in 2007.

Introductions continued throughout 2007 on a monthly introduction schedule in Reactive Zone RZ-3. Low concentrations of chlorinated VOCs in monitoring wells GM-

21, GM-6, and GM-8, which serve as the downgradient performance monitoring wells for RZ-3, have been maintained in 2007.

Monthly carbon introductions in RZ-4 East began in August 2006. Monitoring Well GM-19S serves as the downgradient performance monitoring well for RZ-4 East. A significant reduction in chlorinated VOC mass has been observed at Monitoring Well GM-19S, demonstrating the effectiveness of ERD in this zone. Reactive Zone RZ-4 West was in operation from August 2006 through August 2007. Operation of RZ-4 West is currently on hold due to observations of moderate levels of dissolved methane in groundwater at performance Monitoring Well GM-64 and field observations which indicate the presence of excess gas build-up at RZ-4 West injection well-heads (likely a mixture of methane and carbon dioxide). These observations indicate the need to assess the issues associated with the continued operation of RZ-4 West. This assessment will be completed prior to continuing operation of RZ-4 West. In November 2005, a more dilute molasses solution (20:1 water to molasses ratio) was used during the introduction event. Previously a 10:1 water to molasses ratio was used in the solution. Adjustments to the introduction procedures were made based upon evaluation of monitoring results and the variability in acceptance rates of the more concentrated solution into the formation. ARCADIS has observed at other sites utilizing ERD technology, that a lower solution concentration of molasses in the injectate is sufficient, and in many cases better, to achieve distribution of carbon in the subsurface. A more dilute molasses solution will reduce fermentation by-products, such as carbon dioxide and organic acids that cause reductions in pH, and in some instances may limit distribution of the carbon solution due to gas building up in soil pore space. By lowering the molasses concentration a reduction in fermentation by-products is achieved, which is shown to improve the delivery of organic carbon to the desired locations. The decreased concentration was coupled with an increase in the volume introduced with the intent of "pushing" the carbon solution further away radially from the introduction wells, where deemed necessary. This modification was made prior to the November 2005 event and as a result, an improvement in the delivery of the carbon solution has been noted.

System operation and performance data are presented in the annual Site-Wide Groundwater Monitoring Report (ARCADIS, Inc. 2008). As discussed in Sections 2 and 6, the enhanced reductive dechlorination reactive zones with some refinements are part of the final corrective measures.

3.5.3 Waste Pile/Staging Area

The primary component of the WPSA interim measures was removal of the impacted soil identified for excavation to reduce source material for the protection of groundwater. The soil removal and site restoration activities were completed in 2005. The performance objective of the WPSA corrective measures was to remove a sufficient volume of source material for the protection of groundwater based on a set soil volume limit determined by an evaluation of the existing borings. This objective was met by completing soil removal and offsite disposal and soil confirmation sampling. In addition, utilizing the results of the soil confirmation sampling determined that soil excavation has resulted in post-interim measures routine worker and maintenance worker direct contact risks that meet U.S. EPA's acceptable risk levels. Another component of the WPSA corrective measures is the maintenance of a paved cover over the WPSA in conjunction with institutional controls to reduce the potential for direct contact exposure to soil. The institutional controls for the WPSA will be incorporated as part of the final corrective measures, as discussed in Sections 2 and 6. Additional information is presented in the Waste Pile/Staging Area Interim Measures Work Plan (ARCADIS, Inc. 2004b) and Waste Pile/Staging Area Interim Measures Report (ARCADIS, Inc. 2006).

3.6 Summary of Supplemental Groundwater Investigation

Based on the results of the site-wide groundwater monitoring program, GM proposed to collect supplemental groundwater data to provide additional information for evaluating the performance of the ongoing corrective measures. This section presents the results of this supplemental data collection which have been used to refine the corrective measures for the Site.

The additional data collection in 2006 focused on the upper aquifer well GM-16 located downgradient of the Site; the southeastern side of the Former Oil House Area; the lower aquifer well GM-41 located south of the Moraine Assembly Paint Building; and the area north and south of Holes Creek. The scope of these supplemental field data collection activities were presented in several work plans that were submitted to the U.S. EPA (BOW Environmental Solutions, Inc. 2005b, 2006a, 2006b). The summary of the supplemental investigations completed in 2006 has been presented in the Corrective Measures Supplemental Groundwater Investigation Report (ARCADIS, Inc. 2007).

Based on the findings from the 2006 supplemental investigations, GM recommended that further investigation be completed to provide additional characterization of groundwater chemistry and flow direction in the vicinity of Holes Creek, south of RZ-1, and in the general area around lower aquifer well GM-41. In addition, GM recommended a detailed water level study in the lower aquifer pumping well DN-13 to further refine the available information on groundwater fluctuations and any potential interconnections between the upper and lower aquifers. On March 16, 2007, GM submitted a work plan to the U.S. EPA (BOW Environmental Solutions, Inc. 2007a) to complete the field work for this phase of the investigation. Boring logs and well construction logs for the supplemental investigation are presented in Appendix B. A summary of the supplemental investigation completed in 2007 and 2008 is presented in Table 1.

In April 2007, well pair GM-65S/D was installed east of the Great Miami River and south of Holes Creek. This well pair was previously identified in the July 2006 work plan as Well G. During drilling, the boring was continuously sampled for lithologic characterization and vertical aquifer sampling was conducted approximately every 10-15 ft after groundwater was encountered to a total depth of 108 ft below land surface (bls). Till was not observed at this drilling location. Based on the groundwater profiling data, one upper aquifer well and one lower aquifer well were installed (GM-65S and GM-65D); the wells were screened from 42 to 52 ft bls and 85 to 95 ft bls, respectively.

Boring/well GM-66 was installed in April 2007 to monitor the performance of the RZ-1 barrier. GM-66 was installed at approximately the same location of former temporary monitoring well BD14-01, which was installed during the 2004 Building 14 investigation (ARCADIS, Inc. 2005a). During drilling, the boring was continuously sampled for lithologic characterization and vertical aquifer sampling was conducted approximately every 10-15 ft after groundwater was encountered to a total depth of 57 ft bls. The upper clay till (36-43 ft bls) and the regional clay till (55 ft bls) were encountered during drilling. Based on the groundwater profiling, one upper aquifer well (GM-66) was installed and screened from 45 to 55 ft bls.

To further characterize groundwater chemistry in the vicinity of lower aquifer monitoring well GM-41, five borings (GM-67 through GM-72) and 8 monitoring wells (GM-67S/D, GM-68S/D, GM-69, GM-70, GM-71, and GM-72) were installed in April 2007. Boring GM-67 (wells GM-67S/D) is located between the Former Oil House Area and wells GM-59/-60/-61, boring GM-68 (wells GM-68S/D) is located between well triplet GM-59/-60/-61 and GM-41, boring/well GM-69 is located southwest of GM-41, boring/well GM-70 is located northeast of GM-41, and boring GM-71/72 (wells GM-71/72) is

located north of GM-41. During drilling, the borings were continuously sampled for lithologic characterization and vertical aquifer sampling was conducted approximately every 10-15 ft after groundwater was encountered to total depth of the borings. Based on the groundwater profiling, upper aquifer wells GM-67S (well screen 44 to 54 ft bls), GM-68S (well screen 39.5 to 49.5 ft bls), GM-71 (well screen 21 to 31 ft bls), GM-72 (well screen 52 to 62 ft bls) and lower aquifer wells GM-68D (well screen 64 to 74 ft bls), GM-69 (well screen 90 to 100 ft bls), GM-70 (well screen 72 to 82 ft bls) were installed. All of the wells installed in April 2007 were sampled in May 2007 for the site-specific VOC parameter list.

As part of the supplemental groundwater investigation a detailed water level study was completed for pumping well DN-13 in March and April 2007 for a period of 42 days. The results and findings from this study are presented in Appendix C. Transducer data was obtained in the area of lower aquifer capture well DN-13 for refinement of the understanding of groundwater flow downgradient of the site and documentation of responses to specific stresses on the aquifer. Data collected and analyzed for the transducer study has improved the understanding of groundwater flow downgradient of the Site. The transducer study findings are presented below:

- All wells show a similar rapid effect to barometric changes and high barometric efficiency;

- Fluctuations in the well used for determination of background conditions, lower aquifer well GM-41, correlate to the effect of production and fire well pumping. Water levels in the background upper aquifer well GM-53 do not show these responses and are not affected by pumping in the lower aquifer for the duration of this study;

- The Great Miami River adjacent to and downgradient of the site, is primarily a losing river. During low river stages, portions of this section of the river can become a gaining reach. There appears to be some degree of hydraulic separation between the River and the upper aquifer groundwater such that groundwater can flow under the River even is situations when the River level is above or below the upper aquifer groundwater level; and

- The DN-13 pumping effects are maintaining capture in the lower aquifer, but response to pumping influences were not observed in the upper aquifer over the 42 day period of this study.

In June 2007, GM submitted a work plan to the U.S. EPA (BOW Environmental Solutions, Inc. 2007b) to provide additional information to refine the current understanding of geology and provide additional characterization of groundwater chemistry in the upper and lower aquifer in the central portion of the Vehicle Distribution Center (formerly Moraine Engine Plant), the Moraine Assembly Plant, and along the eastern site boundary near the Moraine Assembly Paint Building Parking Lot.

In October 2007 lower aquifer boring/well GM-73 was installed beneath the regional clay till (67 ft bls) to a total depth of 120 ft bls. Monitoring well GM-73 was installed adjacent to upper aquifer well pair GM-71/72. During drilling, the boring was continuously sampled for lithologic characterization and vertical aquifer sampling was conducted approximately every 10-15 ft. Based on the groundwater profiling data the screen for GM-73 was installed from 85 to 95 ft bls. GM-73 was sampled in October 2007 for the site-specific VOC parameter list.

Three borings (GM-74 through GM-76) and six monitoring wells (GM-74S/D, GM-75S/D, and GM-76S/D) were installed in July and September 2007. Boring GM-74 (wells GM-74S/D) is located between GM-68S/D and Springboro Pike, boring GM-75 (wells GM-75S/D) is located southwest of the Moraine Assembly Plant, and boring GM-76 (wells GM-76S/D) is located in the southern portion of the Moraine Assembly Plant. During drilling, the borings were continuously sampled for lithologic characterization and vertical aquifer sampling was conducted approximately every 10-15 ft after groundwater was encountered to the total depth of the borings. Based on the groundwater profiling, upper aquifer wells GM-74S (well screen 40 to 50 ft bls), GM-75S (well screen 42 to 52 ft bls), GM-76S (well screen 27 to 37 ft bls) and lower aquifer wells GM-74D (well screen 69 to 79 ft bls), GM-75D (well screen 85 to 95 ft bls), and GM-76D (well screen 70 to 80 ft bls) were installed. All of the wells installed were sampled in September 2007 for the site-specific VOC parameter list.

Boring GM-77 (wells GM-77S/D) was installed east of lower aquifer well GM-58 and west of Northbound Kettering Boulevard. Boring GM-77 was installed to a total depth of 100 ft bls and was continuously sampled for lithologic characterization and vertical aquifer sampling was conducted approximately every 10-15 ft after groundwater was encountered to the total depth of the boring. Based on the groundwater profiling data the screen for upper aquifer monitoring well GM-77S was set from 33 to 43 ft bls and lower aquifer monitoring well GM-77D was set from 75 to 85 ft bls. GM-77S and GM-77D were sampled in September 2007 for the site-specific VOC parameter list.

In October and November 2007 and January 2008, GM submitted work plans to the U.S. EPA (BOW Environmental Solutions, Inc. 2007c, 2007d, and 2008a) to provide additional information to refine the current understanding of the geology and hydrogeology and to provide additional characterization of groundwater chemistry in the upper and lower aquifer. The primary focus of this phase of the supplemental investigation was to assess off-site groundwater quality downgradient and cross-gradient of the Site.

Boring/well GM-78 was installed east of Dryden Road, south of the Site, and east of GM-62. GM-78 was drilled to a total depth of 70 ft bls and was continuously sampled for lithologic characterization and vertical aquifer sampling was conducted approximately every 10-15 ft after groundwater was encountered to the total depth of the boring. Till was not present at GM-78. Based on the groundwater profiling data, GM-78 was set in the upper aquifer from 40 to 50 ft bls. Borings GM-79 and GM-81 were installed west of the Great Miami River and downgradient of well pairs GM-48/51 and GM-49/52. Boring GM-79 was drilled to a total depth of 59 ft bls and boring GM-81 was drilled to a total depth of 90 ft bls. The regional clay till was present at GM-79 at 54 ft bls and was thin at GM-81. During drilling, the borings were continuously sampled for lithologic characterization and vertical aquifer sampling was conducted approximately every 10-15 ft after groundwater was encountered to the total depth of the borings. Based on the groundwater profiling, upper aquifer well GM-79 (well screen 45 to 55 ft bls) and upper aquifer well pair GM-80 (well screen 15 to 25 ft bls) and GM-81 (well screen 50 to 60 ft bls) were installed. Wells GM-78, GM-79, GM-80, and GM-81 were sampled in October 2007 for the site-specific VOC parameter list.

In January and February 2008, three borings (GM-82, GM-83, and GM-84) and four wells (GM-82, GM-83S, GM-83D, and GM-84) were installed. Boring/well GM-82 was installed to provide additional characterization of groundwater chemistry downgradient of well GM-68D. Boring/wells GM-83 and GM-84 were installed to provide additional understanding of hydrogeology and provide additional characterization of groundwater chemistry to the west and east (cross-gradient) of the Site, respectively.

Boring GM-82 was drilled to a total depth of 120 ft bls and was continuously sampled for lithologic characterization and vertical aquifer sampling was conducted approximately every 10-15 ft after groundwater was encountered to the total depth of the boring. Based on the groundwater profiling data, the screen for lower aquifer monitoring well GM-82 was set from 85 to 95 ft bls. Boring GM-83 was installed west of the Site, west of Dryden Road and south of East River Road. Boring GM-84 was installed east of the Site, south of well pair GM-77S/D on Blanchard Avenue. Borings

GM-83 and GM-84 were drilled to a total depth of 120 ft bls and were continuously sampled for lithologic characterization and vertical aquifer sampling was conducted approximately every 10-15 ft after groundwater was encountered to the total depth of the boring. Based on the groundwater profiling data the screen for upper aquifer monitoring well GM-83S (well screen 44 to 54 ft bls) and lower aquifer monitoring wells GM-83D (well screen 110-120 ft bls) and GM-84 (well screen 96.5 to 106.5 ft bls) were installed. Wells GM-82, GM-83S, GM-83D, and GM-84 were sampled in February 2008 for the site-specific VOC parameter list.

In addition to the sampling of the newly installed wells, existing wells GM-26, GM-57, GM-65S, GM-65D, GM-78, HR-7, and HR-16 were sampled in January and February 2008 for the site-specific VOC parameter list to confirm prior sampling downgradient and cross-gradient of the Site.

Analytical data for all the supplemental investigation work is presented on Table 4 (groundwater profiling results) and Table 5 (groundwater analytical results). The boring and well construction logs for all of the borings/wells completed as part of the supplemental investigation are included in Appendix B and well construction details summarized in Table 6.

3.7 Summary of Investigation Findings and Facility Risks

Data collected as part of the RFIs and supplemental investigations were evaluated to determine if the detected concentrations of hazardous constituents pose a potentially significant risk to human health or the environment under current and/or reasonably likely land use and groundwater use at and surrounding the facilities. As summarized below, these risk assessments were conducted as part of the RFI, Supplemental RFI, the Box Sewer Investigation, the WPSA Investigation, and the Building 14 Investigation. Additional information on these risk assessments is provided in Appendix G. More detailed discussions are presented in the final RFI Reports (Volume I [ARCADIS Geraghty & Miller, Inc. 2000a and b] and Volume II [ENVIRON Corporation, 2000a and b]), Box Sewer Investigation Summary Report (ARCADIS, Inc. 2002a), Waste Pile/Staging Area Investigation Summary Report (ARCADIS, Inc. 2004a), Waste Pile/Staging Area Interim Measures Report (ARCADIS, Inc. 2006), Former Building 14 Investigation Summary Report (ARCADIS, Inc. 2005a), and the supplemental groundwater investigation conducted in 2006, 2007, and early 2008.

3.7.1 Summary of RFI and Supplemental RFI Findings

Implementation of the RFI accomplished the media-specific objectives listed below.

Soil

1. Determine if a release of hazardous constituents has occurred from the SWMUs/AOIs.

2. Define the nature and extent of any hazardous constituents released from the SWMUs/AOIs required to support the BRA.

Waste

1. Define the areal extent of waste in the landfills.

2. Characterize shallow soil/waste constituents in landfills at the Site for the BRA by sampling and analysis.

3. Characterize deep waste/soil contamination from hazardous constituents at landfills for the BRA by sampling groundwater immediately downgradient from the units.

Sediment/Surface Water

Provide a characterization of on-site sediment/surface water to be used in the BRA.

Groundwater

1. Collect site-wide data to characterize groundwater with respect to flow direction, occurrence, and concentrations of Appendix IX constituents and cis-1,2-DCE.

2. Collect data further downgradient of the site to characterize groundwater with respect to flow direction, occurrence, and concentrations of Appendix IX VOC constituents and cis-1,2-DCE.

3. Collect data that will support the site-wide BRA.

4. Evaluate site-wide natural attenuation of VOCs.

The sludge present in the closed North and South Settling Lagoons was also evaluated during the RFI. Characterization data collected in support of the preparation of RCRA closure plans for these two SWMUs was utilized in the BRA.

The primary objective of the Baseline and Supplemental BRAs was to address the following questions.

1. Do constituents in soil/waste at any of the SWMUs at Delphi Thermal Moraine pose an unacceptable risk, which warrants corrective measures?

2. Do constituents in soil at any of the AOIs at Moraine Engine or Moraine Assembly pose an unacceptable risk, which warrants corrective measures?

3. Do constituents in groundwater at any of the SWMUs or AOIs at the three GM facilities pose an unacceptable risk, which warrants corrective measures?

Presented below is a discussion of how each of these objectives was achieved during the RFI and a conclusion regarding the need for additional investigative activities.

3.7.1.1 Soil

To accomplish the RFI objectives at the nine SWMUs where soil was considered a medium of potential concern (West Tank Farm, T12, T5/T6, T4, T11, Waste Pile/Staging Area, South Tank Farm, Liquid Waste Burner, and Fill Area), a review of historical data was completed and RFI soil sampling was conducted at Delphi Thermal Moraine. Additionally, an analysis of background soil conditions was completed to provide a basis for evaluating constituent concentrations at SWMUs relative to naturally occurring concentrations of these constituents.

The results obtained from the two rounds of RFI soil sampling at Delphi Thermal Moraine provided the information necessary to complete an evaluation of the presence of any suspected release, as well as sufficient detail on the nature and extent of any release to support an evaluation of risks posed by the SWMUs. Soil analytical results and sampling locations are presented in the RFI Report and Appendix A.

To accomplish the RFI objectives at the Moraine Engine and Moraine Assembly facilities, six AOIs where soil was considered a medium of potential concern (AOIs 7,

13, 17, 34, 35, 36) were investigated, a review of historical data was completed and RFI soil sampling was conducted. The soil sampling results provided information necessary to complete an evaluation of the presence of any suspected release, as well as sufficient detail on the nature and extent of any release to support an evaluation of risks posed by the AOI in the BRA. Soil analytical results and sampling locations are presented in the Supplemental RFI Report and Appendix A.

3.7.1.2 Waste

Waste was considered a potential concern at the three inactive landfills at the Delphi Thermal Moraine facility and the sludge present in the North and South Settling Lagoons. To accomplish the RFI objectives at Landfills L1, L2, and L3, a review of historical data was completed, a geophysical survey was completed, where possible, one round of RFI waste sampling was conducted, and two rounds of groundwater sampling were conducted.

The areal extent of the landfills was adequately delineated during the RFI, through a review of aerial photography and topographical and physical land features, and the geophysical assessment completed at L2 and L3. The verified boundaries of the landfills were then used to develop a random grid to ensure the shallow sampling provided a representative characterization of waste constituents of potential concern in surface materials at these SWMUs. The deep wastes were also characterized through an evaluation of groundwater quality in monitor wells located immediately downgradient of the landfills. Waste analytical results and sampling locations, including the closed North and South Settling Lagoons are presented in the RFI Report and Appendix A.

No supplemental characterization of the closed North and South Settling Lagoons was conducted during the RFI. Rather, sludge characterization data collected in support of the preparation of RCRA closure plans for these two SWMUs was sufficient for use in the RFI BRA.

3.7.1.3 Surface Water/Sediment

Surface water and sediment were considered media of potential concern at Delphi Thermal Moraine due to the presence of the drainage ditch on the north end of the facility. To accomplish the RFI objectives, surface water and sediment samples were collected within the drainage ditch at locations upstream and downstream of the facility.

The results obtained from the RFI sampling provided the information necessary to characterize this media, and no supplemental investigative activity was necessary to support the BRA. Surface water and sediment analytical results and sampling locations are presented in the RFI Report and Appendix A.

A review of the RFI sampling for surface water/sediment, indicated that constituents detected in the downstream surface water and sediment samples were at concentrations similar to upstream concentrations. Additionally, an evaluation of topographical and land-use features between the drainage ditch and the SWMUs at the north end of the facility, and a comparison with constituents detected in these SWMUs, indicated that the concentration of constituents detected in the downstream surface water and sediment samples were likely attributable to either natural background or off-site sources. Based on this evaluation, no further action was proposed for surface water/sediment.

3.7.1.4 Groundwater

To accomplish the RFI objectives for groundwater, two rounds of groundwater sampling were conducted from a well network which consisted of 36 monitoring wells during Phase I and 42 monitoring wells during Phase II at the Delphi Thermal Moraine facility. Additionally, an analysis of background groundwater conditions was completed to provide a basis for evaluating the presence of both naturally and non-naturally occurring constituents coming onto the Delphi Thermal Moraine facility from upgradient sources.

The investigative strategies for characterizing site-wide groundwater quality included evaluating groundwater results upgradient and downgradient of each SWMU, evaluating groundwater results upgradient and downgradient of the site, and using the site-specific groundwater flow model to support the BRA by estimating concentrations of constituents which may migrate from the Delphi Thermal Moraine facility. This level of groundwater data and evaluation provided an understanding of the presence of constituents of potential concern beneath and downgradient of Delphi Thermal Moraine. Groundwater analytical results and sampling locations are presented in Appendix A. VOC concentrations at each well sampled in the upper and lower aquifers in 1993/1994 during the RFI are posted on Figures 1-6 and 1-7, respectively, of the IM/CM Report and copied in Appendix A.

To accomplish the RFI objectives for groundwater at the Moraine Engine and Moraine Assembly facilities, site-wide sampling for VOCs, AOI-specific sampling, and

bioattenuation indicator parameter sampling were conducted. In addition, water level measurements were collected and three shallow monitor wells were installed. The RFI concluded that the groundwater objectives had been met and no additional groundwater investigative activities were required to support development of the BRA. Groundwater analytical results and sampling locations are presented in Appendix A. VOC concentrations at each well sampled in the upper and lower aquifers in 1998 during the Supplemental RFI are posted on Figures 1-8 and 1-9, respectively, of the IM/CM Report and copied in Appendix A.

3.7.1.5 Baseline Risk Assessment and Supplemental Baseline Risk Assessment Results

As discussed in Appendix G, a BRA was completed in support of the RFI Final Report for the former Delphi Thermal facility (ENVIRON 2000a) in 1996 and approved in 2000. The purpose of the BRA was to evaluate potential risk to human health and the environment posed by releases of hazardous waste and constituents from the fourteen SWMUs investigated during the RFI). The key conclusions of the BRA were (ENVIRON 2000a):

- For all soil- and air-related pathways, estimates of potential cumulative cancer risk and noncancer effects were estimated to be well below the levels U.S. EPA considers protective of human health.

- Under current groundwater use conditions, with or without interim measures, potential SWMU-related contributions to groundwater were estimated to result in constituent concentrations at points of groundwater use that are lower than maximum contaminant levels (MCLs) or similar risk-based drinking water concentrations for constituents without MCLs (i.e., equivalent drinking water levels (EDWLs)).

- In addition to the human health evaluation, a screening ecological assessment indicated no adverse impact from the SWMUs and no need for a more detailed ecological assessment.

A Supplemental RFI BRA was completed in support of the Supplemental RFI Report for the former Moraine Engine and Moraine Assembly facilities (ENVIRON 2000b). This BRA supplemented the original BRA completed in 1996 as part of the RFI at the Delphi Thermal facility, which adjoined the Moraine Engine and Moraine Assembly facilities. Six AOIs were sampled during the Supplemental RFI. The key conclusions

of the Supplemental RFI BRA for the six AOIs investigated during the Supplemental RFI were (ENVIRON 2000b):

- Constituents in soil at the former Moraine Engine and Moraine Assembly were determined to not pose an unacceptable risk via direct contact or airborne transport to ambient air. Estimates of potential cumulative cancer risk and noncancer hazard index (HI) for potential exposure to constituents in soil at the AOIs via soil- and air-related pathways, assuming reasonable maximum exposures (RME), were determined to be below levels USEPA considers protective of human health.

- Constituents in soil/waste at the SWMUs and AOIs were also determined to not pose an unacceptable risk via groundwater transport under the 10 groundwater use scenarios evaluated. In particular, under the groundwater use conditions at the time, with and without taking into account the interim measures, potential leaching of constituents from soil/waste to groundwater was not predicted to cause concentrations at points of groundwater use to exceed MCLs or EDWLs for constituents without MCLs.

- No unacceptable human exposure were found to have been occurring, however, constituents in groundwater at AOI 7 were determined to have the potential to migrate to the extent that reasonably expected future uses of groundwater in the lower aquifer might be affected. On this basis, GM implemented an IM to address contamination at AOI 7.

3.7.2 Box Sewer Investigation Findings

The box sewer investigation activities were conducted in November 2001 (ARCADIS, Inc. 2002a). The specific objectives of the investigation were to:

- Determine if a significant release of hazardous constituents to soils in the immediate vicinity of the box sewer had occurred; and

- Evaluate the nature and extent of any release identified to support an evaluation of potential risks to current and reasonably expected future receptors using the procedures detailed in the Supplemental RFI BRA (ENVIRON 2000b).

The risk-based assessment of the box sewer investigation data determined that the presence of hazardous constituents in soils do not present a significant risk via the pathways identified under current and reasonably expected future land and groundwater use scenarios. As a result, GM proposed no further action for the box sewer (ARCADIS, Inc. 2002a).

3.7.3 WPSA Investigation Findings

Additional investigation of conditions at the WPSA was conducted in order to address U.S. EPA comments on the Supplemental RFI (ARCADIS, Inc. 2000b) and the draft Site-Wide Groundwater Monitoring Plan (ARCADIS, Inc. 2002b), and to address continued use of the WPSA after completion of the RFI. The specific objectives of the WPSA investigation for soil and groundwater were:

- Determine if a release of hazardous constituents to soils had occurred from the WPSA since the RFI was completed and, if so, evaluate the nature and extent of the release(s) to support an evaluation of the potential risks using procedures detailed in the Supplemental RFI BRA (ENVIRON 2000b); and

- Collect groundwater quality data upgradient and downgradient of the WPSA to characterize groundwater with respect to flow direction and quality to support an evaluation of potential risks using the procedures detailed in the Supplemental RFI BRA (ENVIRON 2000b).

As discussed in Appendix G, the risk-based assessment of the WPSA investigation data determined that the presence of hazardous constituents in soils may pose a potentially significant risk via the certain conditions (ARCADIS, Inc. 2004a):

- No significant current human exposure to constituents in soil at the WPSA was identified as the WPSA was inactive at the time.

- Potentially significant human exposure via direct contact with constituents in soil at some parts of the WPSA may occur in the future if pavement were to be removed and the area were to be redeveloped for commercial/industrial use.

- With the removal of oil impacted soil and soil identified as containing significant constituent concentrations, soil at the WPSA would not be expected to pose a significant risk via direct contact if the area were to be redeveloped for commercial/industrial use.

- Constituents in the WPSA did not appear to have significantly affected groundwater underlying the WPSA. With the removal of soil to address potential future worker exposure risks via soil direct contact, constituents in soil remaining at the WPSA were not expected to significantly affect future groundwater quality. Existing impacts to groundwater observed at the WPSA, attributable to other sources at the Site (e.g., AOI 7), were being addressed as part of site-wide corrective action.

Based on these findings, GM performed a limited soil removal at the WPSA between September 26 and October 4, 2005 and the key conclusions presented in the WPSA Interim Measures Report (ARCADIS, Inc. 2006) were as follows:

- Soil excavation has resulted in post-interim measures routine worker and maintenance worker risks that meet U.S. EPA's acceptable risk levels.

- Nonetheless, the existing pavement that covers the WPSA was to be maintained by GM and institutional controls put in place such that any subsurface activities would be governed by the Site's health and safety requirements, which ensure worker production during such activities.

3.7.4 Former Building 14 Investigation Findings

As part of the Building 14 demolition, GM implemented an investigation of conditions beneath the Building 14 area in August 2004. As discussed in Appendix G, soil and groundwater data collected as part of this investigation were assessed in comparison with risk-based screening values. Based on the risk-based data screening, no soil or groundwater concentrations were identified which would present a significant risk to the receptors and pathways identified under current and reasonably expected future land and groundwater use scenarios (ARCADIS, Inc. 2005).

3.7.5 Supplemental Groundwater Investigation Findings

Following completion of the supplemental groundwater investigation conducted in 2006, 2007, and early 2008, the data were evaluated using risk-based data screening criteria to assess the potential significance of concentrations detected in the new monitoring wells. GM submitted the results of this assessment with the Risk-Based Groundwater Data Screening Summary in May 2008 (BOW Environmental Solutions, Inc. 2008b). The assessment results are also presented in Appendix G.

3.8 Revised Conceptual Site Model

The CSM previously developed for the Site has been revised using the additional data collected during the previously discussed supplemental investigations. The revised CSM includes the site characteristics (historical and current); physical setting, refinements made to the geology, hydrogeology, groundwater flow model, and groundwater chemistry; and results of the off-site well search results. The revised CSM is used to support the updated risk analysis and corrective measures evaluation.

3.8.1 Site Characteristics

3.8.1.1 Local Land Use

Land use surrounding GM facilities is almost entirely industrial and commercial with only a few small areas of residential use. The former Delphi Thermal Moraine facility is the western boundary of the Site and is zoned for general industry. The western portion of the Moraine Assembly facility is located in an area zoned for general industry, while the eastern portion is located in an area zoned for light industry. The former Moraine Engine facility is located in an area zoned for general industry. Areas adjacent to the Site are zoned for general industry, light industry, general business, neighborhood business, and one- and two-family residential uses. The businesses in the surrounding area north of the Site include warehouses, office buildings, light manufacturing and assembly, a gravel pit, cosmetics manufacturing, and dry cleaning. Businesses located east of the Site include an analytical laboratory, a motel, and a television station. The area south of the Site is zoned for general industry, light industry, neighborhood business, general business, and residential uses.

3.8.1.2 Physical Setting

3.8.1.2.1 Topography

The Site is located in the Great Miami River valley and is bounded by bedrock valley walls and various glacial features. The surrounding topography can be seen on the Dayton South Quadrangle and Miamisburg Quadrangle United States Geological Survey (USGS) topographic maps. The valley walls and overlying glacial features,

approximately one mile east and west of the Site exhibit elevations ranging between 900 and 1000 feet mean sea level (msl). Topographically, the Site lies in the valley flats. The Site has little relief with elevations ranging from 725 to 740 feet msl.

3.8.1.2.2 Climate

The climate is continental denoted by geographic location within the interior of a large landmass with hot summers and cold winters (MMU, 2002-2004). Summers are warm and humid with an average July temperature range of 64 F to 84 F. Winters are cold and cloudy with an average January temperature range of 19 F to 33.7 F (NCDC, 2008). Precipitation averages approximately 39 inches per year; based on a 30 year record from 1961-1990 (OSU, 2008). Average precipitation is 3.3 inches per month; January the driest at 2.3 inches and May as the wettest at 4.2 inches. However, extreme variations may occur.

3.8.1.2.3 Surface Water and Drainage Features

Moraine and the surrounding region are in the Great Miami River drainage basin. This river generally flows north to south in the vicinity of the Site and is closest to the Site on the southern end. No major tributaries to the Great Miami River pass through the facilities. The Flood Insurance Rate Map for Moraine shows that the area affected by the 100-year flood does not include the GM facilities (FEMA 1981).

Storm water and non-contact cooling water from the Site are discharged to the Great Miami River via storm water sewers through one of two storm water retention basin systems (SWRBs) at the former Delphi Thermal Moraine facility, under existing NPDES permits. The retention facilities were brought on line during October 1989 and were designed to provide spill containment and solids settling capabilities required to maintain compliance with NPDES permit requirements. The storm water sewers under much of the Moraine Assembly and former Moraine Engine facilities consist of sewer lines historically used by the Frigidaire operations.

The North SWRB system consists of two parallel concrete basins, each having a normal operating capacity of approximately 130,000 gallons. This facility serves the Moraine Assembly facility and the northern portions of the former Delphi Thermal Moraine and former Moraine Engine facilities, which have an associated surface-drainage area of approximately 161 acres. The South SWRB system includes two similar parallel concrete basins with normal operating capacities of approximately 90,000 gallons each. The south facility handles discharges from the former Moraine

Engine facility and the southern portion of the former Delphi Thermal Moraine property, covering an area of approximately 104 acres of surface drainage.

Storm water runoff from areas north of the former Moraine Engine facility, the Moraine Assembly facility, the northern portion of the former Delphi Thermal Moraine facility, and some residential and commercial areas in the City of Moraine (including residential areas east of the Moraine Assembly facility and Springboro Road) flow to former Delphi Thermal's north SWRB via a 66-inch storm line. Storm water runoff at the north wall of the former Moraine Engine facility flows eastward to the northeast corner of the facility, then southward along the east side of the facility, to former Delphi Thermal's south SWRB. Storm water from the former Moraine Engine facility and parking lots are discharged southward toward Blanchard Avenue. The sewers south of the Moraine Assembly facility, starting at the Paint House (south of Stroop Road) join the box sewer at the east side of the former Moraine Engine facility. The City of Moraine joins the system at the southeast corner of the former Moraine Engine facility. These sewers contain flow from the City of Moraine, the former Moraine Engine facility, the Moraine Assembly facility, and former Delphi Thermal Moraine facility join and are collected in the south SWRB.

The south cell of the SWRB system was designed to operate as one basin during normal non-storm flow conditions. The second adjacent basin is used for diversion of normal flow if a spilled material has been isolated in the first basin, as well as for additional retention capacity during storm conditions. The design criteria for sizing of the facilities was a minimum 30-minute retention based on a maximum flow of a 2-inch uniform rain over 24 hours plus normal non-contact cooling water flow. Any flow exceeding the maximum design capacity will bypass the basins by gravity overflow to the associated storm sewer outfall.

Storm water from the East Haulaway and DMAX is discharged into an unnamed drainage ditch located east and south of DMAX, which was assessed during the RFI (ARCADIS Geraghty & Miller, Inc. 2000a). This ditch originates in west Kettering, flows north to south along the east side of DMAX, then east to west along the south side of DMAX. The ditch eventually discharges into the Great Miami River.

3.8.1.3 Source Areas and Site-Specific VOCs

The highest concentrations of VOCs in upper aquifer groundwater across the three facilities is present at AOI 7 (Former Oil House Area) in monitoring well GM-23. At this location, total VOC concentrations were 19,706 micrograms per liter (ug/L) in

March 1998, with estimated concentrations of PCE at 11,200J ug/L, TCE at 3,870J ug/L, cis-1,2-DCE at 3,870J ug/L, and vinyl chloride at 766J ug/L. More recently, total VOC concentrations in GM-23 were 7,792 ug/L in September 2007, with PCE at 280 ug/L, TCE at 82J ug/L, cis-1,2-DCE at 4,700 ug/L and vinyl chloride at 2,600 ug/L. The highest total VOC concentrations in a hydropunch sample were in OH-BH2A where 18,441 ug/L was detected in November 1998, with cis-1,2-DCE at 11,000 ug/L, vinyl chloride at 4,770J, PCE at 1,180J ug/L, TCE at 1,260J ug/L, and 1,1-dichloroethane (1,1-DCA) at 231 ug/L. In general, the area of highest VOC concentration is centered around GM-23, as presented in the Supplemental RFI, which has been included in Appendix A. This area is estimated to be approximately 750 ft in the north/south direction and 350 ft in the east/west direction. Figure 3-12 (Appendix A) presents the distribution of total VOC concentrations in this area. Hydrophobic dye testing of saturated soil samples in the AOI 7 area indicated the potential presence of dense nonaqueous phase liquids (DNAPL). The dye test results are presented on Figure 3-9, which has been included in Appendix A. The calculated total mass of dissolved VOCs within the 1,000 ug/L contour boundary identified on Figure 3-12 (Appendix A), is approximately 95 pounds (or 7 gallons) based on a saturated thickness of 9 ft and a porosity of 0.3.

The concentrations of VOCs in groundwater within AOI 7 are elevated in the portion of the upper aquifer above the upper clay till. VOC concentrations are almost two orders of magnitude lower in upper aquifer groundwater below the upper clay till in hydropunch samples collected during installation of GM-27: 11,525.3 ug/L total VOCs were detected just above the upper clay till compared with 101.5 ug/L just below the upper clay till. As a result, the corrective measure RZ barrier (RZ-1) within AOI 7 focused on the upper portion of the upper aquifer. Downgradient from AOI 7, corrective measures focused on both the upper and lower portions of the upper aquifer, as VOCs have dispersed both horizontally and vertically in the upper aquifer as they have migrated downgradient from AOI 7.

Based on the findings of the RFI and Supplemental RFI investigations, constituents of potential concern for the facilities are limited to chlorinated VOCs in groundwater from historic releases (primarily from AOI 7). As stated in the approved AOI 7 Interim Measures Work Plan (ARCADIS Geraghty & Miller, Inc. 1999), data from the site-wide baseline sampling event completed in September 1999 was evaluated to establish a site-specific parameter list for site-wide groundwater monitoring. This list contains the eight chlorinated VOCs, that U.S. EPA and GM agreed to during the AOI 7 investigation (1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), cis-1,2-DCE, trans-1,2-dichloroethene (trans-1,2-DCE), tetrachloroethene (PCE), 1,1,1-

trichloroethane (1,1,1-TCA), trichloroethene (TCE), vinyl chloride). In addition, as stated in the Supplemental RFI Report, toluene would be added to the site parameter list based on detected concentrations in the AOI 7 area during November 1998. Benzene, toluene, ethylbenzene, and xylenes (BTEX) were all detected during the September 1999 baseline sampling event. While BTEX constituents were not identified as constituents of concern during the RFI, they have been added to the site-specific parameter list in order to monitor the effectiveness of the AOI 7 corrective measures and evaluate the total level of organic carbon at the site. The appropriateness of this site-specific parameter list was verified by the results of the one-time sampling event for VOCs, SVOCs and metals requested by the U.S. EPA in comments dated June 16, 2000 that was completed between September and October 2000.

Refinement of the VOC plume was achieved as a result of the supplemental groundwater investigation completed in 2006, 2007, and early 2008 (Section 3.8.5). Based on the supplemental groundwater investigation data from 2007, the highest VOC concentrations in the lower aquifer were detected in wells GM-68D (PCE at 1,500 ug/L and TCE at 770 ug/L) and GM-75D (PCE at 470 ug/L and TCE at 1,700J ug/L). The highest VOC concentrations in the upper aquifer have previously been delineated at the Former Oil House Area; however, elevated VOC concentrations in the upper aquifer were also detected in wells GM-59 (PCE at 310 ug/L and TCE at 94 ug/L), GM-60 (PCE at 510 ug/L and TCE at 570 ug/L), and GM-75S (PCE at 490 ug/L and TCE at 210 ug/L). The primary source of PCE and TCE in the upper/lower aquifers is likely the Former Oil House Area where releases to the upper aquifer could have migrated to the lower aquifer in this area due to historical groundwater pumping (Section 3.8.1.5). GM also evaluated other potentially significant source areas in the vicinity of wells GM-68 and GM-75. The possible use of solvents during the Frigidaire era at the AOI 26 Moraine Assembly Process Waste Collection Systems (Appendix A) could be a contributing source of PCE and TCE detected in lower aquifer well GM-75D. While not directly observed during the supplemental groundwater investigation, the possibility exists for DNAPL to be trapped in the regional clay till in the areas near wells GM-68 and GM-75, where the till may be serving as a secondary source of VOCs to the lower aquifer. As a result, AOI 26 and the till near wells GM-68 and GM-75 have been incorporated into the risk assessment as potential source areas (Section 4).

The potential source areas evaluated in the risk assessment include the following: AOI 7, AOI 13, AOI 17, AOI 34, AOI 35, AOI 36, Landfill L1, Landfill L2, Landfill L3, Liquid Waste Burner, closed North Settling Lagoon, closed South Settling Lagoon, Fill Area,

South Tank Farm, West Tank Farm, UST T4, UST T5/T6, UST T11, UST T12, GM-75 till, GM-68 till, AOI 26, Waste Pile/Staging Area, and the Box Sewer.

3.8.1.4 Regional Groundwater Use

The Site is located within a glacial buried valley and the hyrdogeologic setting is comprised of an upper and lower aquifer separated by a discontinuous clay-rich aquitard (see to Section 3.8.2). The lower aquifer in the vicinity of the Site has historically been used for public water supply. This Greater Moraine Water System was maintained by the Montgomery County Sanitary Engineering Department and consisted of four (Lamme Road, Dryden North, Dryden Road South, and Miami Shores) well fields that supplied the cities of Moraine, Kettering and Centerville. These well fields were used until 1986, to which all systems were switch to the City of Dayton supply in conjunction with county storage facilities and pump stations. However, Miami Shores was used in the summers of 1987 and 1988 to supplement high demand (Geraghty & Miller, Inc., 1994b). Currently, the Lamme Road well field is abandoned, Dryden South is inactive and Dryden North is inactive except for DN-13 which is maintained by Montgomery County and used by GM as part of the Pump to Waste Program that began in 1990 (3.8.1.5). Miami Shores is inactive, but is maintained by Montgomery County and is the primary backup to the City of Dayton. The closest active well field is approximately two miles to the south, consisting of three wells that supply the City of West Carrollton.

The lower aquifer in the region historically and currently is also used as an industrial water supply. Refer to Section 3.8.1.5 for historical industrial water use on Site and the region; and the Groundwater Model Update 2008 in Appendix D for detailed information for current regional pumping. The Site currently uses two production wells (11A and 12B) that are used for industrial purposes. The Site treats the spent groundwater at its water treatment facility.

The upper aquifer in the vicinity of the Site has been used historically for shallow private well use, but is no longer used as a potable or industrial use. Future development of the upper aquifer as an industrial or potable water source is not expected due to the low sustainability and storage compared to the lower aquifer. Furthermore, the development of public water systems using groundwater as a source is governed by Ohio statute (Chapter 6109 of the Ohio Revised Code), and Ohio EPA regulations and guidelines adopted there under (OAC Chapters 3745-82, OEPA, 1991). Likewise, the installation of private water wells is governed by Ohio Department of Health regulations (OAC Chapter 3701-28).

Historic records indicate that private water wells in the upper and lower aquifers have been installed in the vicinity of the Site. Therefore, GM has conducted several off-site well surveys (including the most current in 2008 – Section 3.8.6) of existing wells to determine use and purpose.

3.8.1.5 Historical Groundwater Flow

Changes in site-wide historical groundwater pumping and resultant flow paths have likely had a significant impact on the spread of VOCs beneath the site. Historically, each of the three facilities has relied on production wells installed in the lower aquifer to provide water to support production activities. While these production wells are screened in the lower aquifer, the pumping affects groundwater movement over time in the upper aquifer, though to a lesser degree. Where thinning of the regional clay till was noted at well pair GM-75S/-75D, historical pumping would likely have affected groundwater movement in the upper aquifer.

Prior to 1978, pumping at the Delphi Thermal Moraine facility was high relative to pumping at the Dryden Road North Well Field (Dryden North). For instance, in 1974 Delphi Thermal Moraine was withdrawing approximately 12 million gallons per day (mgd) compared to the Dryden North Well Field which was pumping approximately 3.7 mgd. This rate of groundwater use was modeled in 1983 during an investigation of Landfill L1 (Geraghty & Miller, Inc. 1983). This modeling effort determined that under these pumping conditions groundwater at the southern end of the facilities would likely flow north toward the plant pumping centers and a hydraulic divide would develop between Landfill L1 and Dryden North. As a result of the GM cone-of-depression, groundwater flow direction beneath areas local to Landfill L1, for example, were south to north, rather than the reverse seen today (current groundwater flow conditions presented in Section 3.8.3). Historically, a flow divide was predicted to be southwest of Landfill L1. By 1981, Delphi Thermal Moraine pumping had decreased to approximately 2 mgd, while Montgomery County pumping remained relatively constant or increased. Under these conditions, the model predicted that contaminants would likely move towards both pumping centers, with the predominant flow to the southwest (flow divide predicted to be directly beneath Landfill L1).

During the latter part of 1986, the three Montgomery County well fields (Dryden North, Dryden Road South Well Field, and Miami Shores Well Field) were shut down, and in January 1987, GM reduced groundwater pumping significantly by discontinuing use of the Delphi Thermal Moraine production wells (although pumping of wells on the GM Eastern Facilities continued). During this brief period in late 1986, between the time

the County wells shutdown and the Delphi Thermal Moraine wells shutdown, a reversal in flow direction under the site would be considered likely as the GM facilities were the major pumping sources in the area.

Dryden South and Miami Shores Well Fields were pumped intermittently during May to August 1987 at approximately 2 mgd, and during June to September 1988 Miami Shores was pumped continuously at approximately 10 mgd. During these time periods, groundwater beneath the GM site would be expected to migrate in a more western to southwestern direction under the influence of County pumping. However, during the remaining periods of the late 1980's when the production wells at the GM Eastern Facilities (Moraine Engine and Moraine Assembly) were the only wells pumping continuously, groundwater on the site would tend to have a more easterly component of flow. In March 1990, the County initiated a Pump-to-Waste program using DN-13 in the Dryden North Well Field. With the on-going groundwater extraction from DN-13 (started in 1990); the initiation of groundwater extraction from the upper aquifer from extraction well TW-2 in January 1996; the shut-down of operations for Delphi Thermal Moraine and Moraine Engine; and Moraine Assembly with the only active production wells (11B and 12A); site-wide groundwater flow since 1990 is generally to the southwest at the site for both the upper and lower aquifers. Also observed, is a more southerly groundwater flow trend for the upper aquifer on site when the river stage is relatively high (approximately 4 feet above median) as shown in upper aquifer potentiometric map in March 2008 (Figure 6). A more typical groundwater flow pattern is represented in the April 2008 event with a southwest flow (Figures 7 and 9).

The effect of the historic pumping from production wells at the Site is that monitor wells currently positioned upgradient of some AOIs and SWMUs may have been hydraulically downgradient of these areas when the GM Moraine facilities were the major pumping center for the area. Further complicating the analysis is the fact that during the period of heavy GM pumping, use of specific plant production wells varied. It is likely this variation accounts for why some monitor wells contain VOCs which are not detected, or are present at low concentrations, within AOIs immediately upgradient of these wells under current groundwater flow conditions.

A secondary effect of the historic groundwater pumping is that it lowered the water table in the upper aquifer beneath the SWMUs and AOIs being evaluated. In response to the termination of pumping by the County in 1986 and at the Delphi Thermal Moraine facility in 1987, water levels have risen approximately 10 ft in the upper aquifer and 5 ft in the lower aquifer (ARCADIS Geraghty & Miller, Inc. 2000b). This

phenomena could mean that VOCs which may have been adsorbed to soils beneath a SWMU or AOI could now be below the water table, or within the capillary fringe, which provides more opportunity for flushing and desorption than would be expected from normal precipitation, especially considering that the majority of the site is covered with buildings or pavement.

Therefore, it is evident that the occurrence and movement of VOCs in groundwater at the site has been greatly influenced by historic pumping, both on-site and off-site. The variation in use of the various pumping centers, and the variation in use of the individual wells within the pumping centers, would cause VOCs in the groundwater to migrate in ways which are difficult to determine, which makes assigning monitor wells to specific SWMUs or AOIs inappropriate in most cases and a site-wide monitoring approach more appropriate.

The occurrence of VOCs in the lower aquifer may be due in part to the effects of historic groundwater pumping and the absence or thinning of the regional clay till in certain areas. The highest concentrations of VOCs in the lower aquifer across the three facilities is present beneath the Vehicle Distribution Center south of AOI 7 (PCE [1,500 ug/L] and TCE [750 ug/L] as monitored by well GM-68D in 2007) and at the northeast corner of Springboro and Stroop Roads at the Moraine Assembly plant southeast of AOI 7 (PCE [470 ug/L] and TCE [1,700J ug/L] as monitored by well GM-75D in 2007). The significance of these concentrations is further evaluated in Section 4 and Appendix G of this CMP.

3.8.2 Geology Refinement

Characterization of site-wide geology has been presented in the following reports: Delphi Thermal Moraine DOCC (Geraghty & Miller, Inc. 1991), Supplemental DOCC (Geraghty & Miller, Inc. 1997a), RFI Final Report (ARCADIS Geraghty & Miller, Inc. 2000a), Supplemental RFI (ARCADIS Geraghty & Miller, 2000b), and the Corrective Measures Supplemental Groundwater Investigation Report (ARCADIS, Inc. 2007). The understanding of site-wide geology has been refined and incorporated into geologic cross-sections shown in Figure 5 and into the Groundwater Flow Model Update (Appendix D).

The Site and surrounding areas lie over the Great Miami River buried valley aquifer, which consists of valley unconsolidated deposits of sand and gravel outwash deposits separated by discontinuous deposits of silt and clay-rich till. An upper and a lower aquifer have been identified in the unconsolidated sand and gravel. These two

aquifers are distinguished by the relation to a relatively continuous clay-rich till referred to as the regional clay till. Where the regional clay till is absent, the upper and lower aquifers are in direct communication and identified by depth only.

The upper aquifer is approximately 30 to 70 ft thick and contains a locally continuous upper clay till layer that in some areas may be in direct contact with the regional clay till. The distribution and thickness of the clay-rich units in the upper aquifer throughout most of the Site is not significant, but the upper clay till is present to the south, west, and southwest of the Former Oil House Area (AOI 7) extending beneath the former Delphi Thermal Moraine Building 14 and influences the lateral and downward movement of the groundwater flow in this area (Appendix D). Geologic cross-sections A-A', B-B', and C-C' (Figure 5) indicates the discontinuous presence of the upper clay till near AOI 7. The presence of other relatively thin clay-rich units in the upper aquifer in other areas of the Site is very local and discontinuous and is not able to be correlated to the upper clay till. Geologic cross-section D-D' indicates thin clay and silt units in the upper aquifer which may or may not be related to the upper clay till. Geologic cross-sections E-E' and F-F' indicate that clay and silt units are generally absent in the upper aquifer.

The upper and lower aquifers are separated throughout most of the Site and surrounding areas by the regional clay till. Where present, the regional clay till varies in thickness from approximately 10 ft to over 50 ft. In general, the regional clay till thins to the south and southwest, and is discontinuous south of the Site, near Holes Creek as seen in cross-section F-F' (Figure 5). Through the additional data collected during the supplemental groundwater investigation, the regional clay till is confirmed to be continuous on-site although thinning of the till is noted in the vicinity of well GM-75. Based on the available data, geologic cross-sections A-A' through E-E' (Figure 5) indicate a continuous regional clay till on-site.

The lower aquifer underlies the regional clay till. The lower aquifer ranges in thickness from a few feet along the valley walls to greater than 200 ft in the central portion of the valley. The thickness of the lower aquifer beneath the Site is not well defined. Most borings/wells, which have been completed as part of the Site's subsurface investigations, have not extended more than 150 ft bls. An underlying till has been encountered at a few of these borings and is present in some production well logs. This underlying till has been encountered at depths ranging from approximately 120 ft to 145 ft bls.

Ordovician shales and limestones of the Richmond Group comprise the dominant bedrock units forming the valleys in the Dayton area. The Richmond Group is overlain by the Silurian Brassfield Formation in upland areas. Prior to the Illinoian and Wisconsin glacial stages, the bedrock valleys were as much as 190 to 225 ft deep (Norris and Spieker, 1966). Beneath the site and surrounding areas, the bedrock units are not considered important sources of groundwater because they have significantly lower transmissivity values relative to the buried valley aquifer. The top of bedrock beneath the site is approximated to be 200 to 250 ft bls (Norris and Spieker, 1966 and ODNR, 1986).

3.8.3 Hydrogeology Refinement

Characterization of the site-wide hydrogeology has been presented in the following reports: Delphi Thermal Moraine DOCC (Geraghty & Miller, Inc. 1991), Supplemental DOCC (Geraghty & Miller, Inc. 1997a), RFI Final Report (ARCADIS Geraghty & Miller, Inc. 2000a), Supplemental RFI (ARCADIS Geraghty & Miller, Inc. 2000b), and the Corrective Measures Supplemental Groundwater Investigation Report (ARCADIS, Inc. 2007). Data collected from the supplemental groundwater investigation presented in Section 3.6 has refined the understanding of the site-wide hydrogeology and is incorporated into the Groundwater Flow Model Update (Appendix D).

The study of hydrogeology at the site is focused on the unconsolidated deposits shallower than 150 ft bls. The upper and lower aquifers are separated throughout most of the study area by the regional clay till that acts as a leaky confining unit or aquitard that transmits water at relatively low rates. Where the regional clay till is absent (south of the Site, near Holes Creek), the upper and lower aquifers are in direct communication.

Recharge to the study area is primarily from flow within the aquifers that includes direct infiltration of precipitation and recharge from perennial streams. The perennial Great Miami River flows generally from north to south through the study area and locally as a source and sink for groundwater. The perennial Holes Creek, located south of the Site, flows generally southeast to northwest and is a minor source of groundwater recharge. A recovery well used for remediation is present in the upper aquifer (TW-2). A pump to waste well to the Great Miami River (DN-13) is in continuous operation in the lower aquifer and has been operational since March 1990. Lower aquifer production and fire wells are also used on Site (Production Wells 11B and 12 A; Fire Wells 1A, 2, and 3).

Average hydraulic gradients are calculated and presented in annual Site-Wide Groundwater Monitoring Reports. Average horizontal gradients in the upper aquifer from 2006 to 2008 have ranged from 0.0004 foot/foot (ft/ft) to 0.0006 ft/ft with flow velocities ranging from 1.46 ft/day to 3.24 ft/day. Average horizontal gradients in the lower aquifer from 2006 to 2008 have ranged from 0.0004 ft/ft to 0.0007 ft/ft with flow velocities ranging from 0.37 ft/day to 0.95 ft/day. Average vertical gradients from 2006 to 2008 between upper and lower aquifer well pair GM-23/GM-39 have ranged from 0.0015 ft/ft downward to 0.0059 ft/ft upward. Vertical gradients vary with time reflecting temporal changes in recharge and discharge. In the vicinity of Holes Creek, where the regional clay till is not present, little to no vertical gradient was measured.

3.8.3.1 Groundwater Elevation Monitoring

Water level measurements were completed on March 5-6, 2008 (Table 2) and April 24-25, 2008 (Table 3). Information gained from the new monitoring wells installed during the supplemental groundwater investigation, stream gages and the City of Moraine monitoring wells west of the Great Miami River, resulted in improved resolution of the groundwater flow conditions near the River. The upper aquifer potentiometric surface maps for March 2008 and April 2008 are shown in Figures 6 and 7, respectively, and the lower aquifer potentiometric surface maps for March 2008 and April 2008 are shown in Figures 8 and 9, respectively. A comparison between the March and April 2008 water levels indicates a significant difference between these two measurements. Precipitation levels were higher than normal before and during the March 5-6, 2008 water level measurement event. The precipitation for March 2008 was 6.31 inches, which is 3.02 inches above the March 2007 precipitation (3.29 inches) (NOAA, 2008). The Great Miami River Dayton Station (USGS 03270500 - approximately 7 river miles north of the site) recorded an average elevation of 728.78 ft msl for the month of March 2008. This average is 1.58 feet higher than the 5 year average (2003-2007) for March 2008 which is 727.20 ft msl. Precipitation levels for April 2008 was 2.74 inches (MCD, 2008), which is 1.29 inches below the April 2007 precipitation (4.03 inches) (NOAA, 2007).

The upper aquifer potentiometric surface on March 5-6, 2008 (Figure 6) shows that flow in the upper aquifer is generally from northeast to southwest on-Site. Flow is away from the Great Miami River southwest of the Site indicating that, at high stage, this section of the Great Miami River was a losing river during the March 5-6, 2008 gaging event. The increase in precipitation in March 2008 resulted in an increased stream level and gradient in the upper aquifer in the vicinity of the Great Miami River (Figure 6). The upper aquifer potentiometric surface on April 24-25, 2008 (Figure 7)

shows that flow in the upper aquifer is generally from northeast to southwest on-site and off-site.

The March 2008 upper aquifer measurements show that the TW-2 water level was lower than the water levels in nearby wells (GM-16, GM-17, 4S, and WSU-24) indicating capture in the vicinity of well TW-2. A comparison of the October 2007 (ARCADIS, Inc. 2008) and March 2008 groundwater flow maps for the upper aquifer indicates a shallower gradient on-Site in 2008. The March 2008 upper aquifer flow patterns are generally consistent on-site with groundwater flow conditions since TW-2 operation was initiated in January 1996. TW-2 was not in operation on April 24-25, 2008 due to maintenance issues.

Upstream of the confluence of Great Miami River and Holes Creek, the updated groundwater flow model (Appendix D) predicts an east/southeasterly component of flow from the Great Miami River towards the Site (i.e., immediately adjacent to the Great Miami River), indicating that the upper aquifer is gaining water from the Great Miami River. Downstream of the confluence area, the Great Miami River still loses water to the upper aquifer, yet gradually switches to gaining water from upper aquifer (i.e., groundwater discharge point) further down-gradient where the Great Miami River bends to the north. To the west of confluence area, the groundwater flow model predicts a west/southwesterly component of flow from the Great Miami River. This supports the observed condition of a component of groundwater flow (and accordingly, contaminant transport) in the upper aquifer that is going beneath the Great Miami River. Based on the MODFLOW volumetric budget for the entire model, the rivers (Great Miami River and Holes Creek) are losing water to the upper aquifer. Groundwater flow in the lower aquifer is unaffected by the Great Miami River.

3.8.3.2 Groundwater Gradients

The average hydraulic gradient of the upper aquifer, calculated from site-wide groundwater elevation measurements in both March 2008 and April 2008 was 0.0005 ft/ft. The groundwater flow velocity for the upper aquifer was calculated using the following equation:

$$V_w = Ki/N_e$$

where

V_w = groundwater flow velocity (feet per day [ft/day])

K = hydraulic conductivity (ft/day)

i = hydraulic gradient (ft/ft)

N_e = effective porosity

Hydraulic characteristics of the upper aquifer were determined by evaluation of data from pumping tests conducted in 1985 and in 1989. The median hydraulic conductivity value estimated from pumping test data was 1,650 ft/day, and effective porosity was assumed to be 0.3 to 0.5. Using hydraulic gradients for March 2008, groundwater flow velocities in the upper aquifer ranged from 1.68 ft/day to 2.80 ft/day and for April 2008 ranged from 1.49 ft/day to 2.49 ft/day. Assuming the most extreme condition (i.e., no retardation or retardation factor [R_d] equal to 0), the rate of VOC migration could equal the rate of groundwater flow. However, soil-VOC interaction does occur, and, therefore, the actual VOC migration rates are slower than that of groundwater flow. Most of the VOCs detected in the upper aquifer at the GM facilities are likely to have a R_d ranging from 2 to 10 (Walton 1985), so the rate of migration of the VOCs in the upper aquifer in March 2008 could be as low as 0.17 ft/day and in April 2008 could be as low as 0.15 ft/day.

During the Supplemental RFI, conducted in August 1998 at the Former Oil House Area, slug tests were conducted on three monitor wells (GM-23, GM-27 and GM-28) to assess aquifer characteristics in this area of the Site. These slug tests determined that hydraulic conductivity in the upper aquifer in this area is lower than the hydraulic conductivity calculated on a site-wide basis. Hydraulic conductivity of the portion of the aquifer above the upper clay till at the Former Oil House Area was determined to be approximately 43 ft/day. Below the upper clay till, the hydraulic conductivity was determined to be 54 ft/day. Using hydraulic gradients from March and April 2008, the groundwater flow velocities in the upper aquifer above the upper clay till ranged from 0.050 ft/day to 0.084 ft/day and 0.032 ft/day to 0.054 ft/day, respectively.

The lower aquifer potentiometric surface on March 5-6, 2008, (Figure 8) and April 24-25, 2008 (Figure 9) shows groundwater flow in the lower aquifer to be generally from northeast to southwest. Production Well 12A was in operation during the March water level measurement event and has approximately 1.7 ft of drawdown compared to surrounding wells GM-73, FW-2 and 11B. County Well DN-13, located south of the former Delphi Thermal facility in the Dryden Road North well field, was in operation during the March and April 2008 water-level elevation measurement events. DN-13 has approximately 57 ft of drawdown in March and approximately 60 ft of drawdown in

April, compared to surrounding wells GM-13, GM-14 and GM-15. The localized cones of depression around Production Well 12A and DN-13 are shown in Figure 8 and around DN-13 in Figure 9.

The only variation in the overall flow conditions across the Site occurred in the southern portion where the direction of flow was southwest in October 2007, southwest to south in March 2008 (which is attributed to the high precipitation and river stage conditions), and southwest in April 2008.

The average hydraulic gradients of the potentiometric surface in the lower aquifer, calculated from groundwater elevation measurements in March 2008 was 0.0004 ft/ft and in April 2008 was 0.0006 ft/ft. Using a hydraulic conductivity of 400 ft/day, assuming a porosity of 0.3 to 0.5, and using the equation presented earlier ($V_w = Ki/N_e$), groundwater flow velocity in the lower aquifer for March 2008 ranged between 0.35 ft/day and 0.58 ft/day and for April 2008 ranged between 0.48 ft/day and 0.80 ft/day. As discussed above, most of the VOCs detected in the lower aquifer groundwater at the Site are likely to have an R_d ranging from 2 to 10 (Walton 1985), so the rate of migration of the VOCs in the lower aquifer in March could be as low as 0.03 ft/day and in April could be as low as 0.05 ft/day.

The water-level measurements collected in March and April 2008 were used to determine the direction and magnitude of vertical gradients between the upper and lower aquifers (Table 7). The vertical gradients were calculated using the following equation:

$$i = h_2 - h_1/d$$

where

h_2 = hydraulic head of lower well A (ft)

h_1 = hydraulic head of upper well B (ft)

d = distance between midpoint of screen for well A and B (ft)

i = vertical gradient

The magnitude and direction of vertical gradients indicate whether the potential exists for groundwater to move from one aquifer to another through a confining unit, and which direction it may move (positive for an upward gradient and negative for a

downward gradient). Calculated vertical gradients ranged from 0.0075 ft/ft upward (W-4-N/HR-14) to 0.0271 ft/ft downward (GM-16/GM-15) for March 2008. Calculated vertical gradients ranged from 0.0033 ft/ft upward (GM-8/GM-7R) to 0.0293 ft/ft downward (GM-16/GM-15) for April 2008.

The well pairs immediately downgradient (south) of the closed North Settling Lagoon (W-3-N/HR-15 and W-4-N/HR-14) had upward vertical gradients for March and downward for April. The vertical gradient at well pair HR-3/HR-13 (side gradient to the closed North Settling Lagoon) was also upward for March and downward for April. Well pairs in the southern portion of the site (GM-18/GM-13, GM-17/GM-11, GM-6/GM-3, and GM-15/GM-16) all had downward vertical gradients for both March and April 2008 likely due to the proximity of these pairs to the lower aquifer pumping well DN-13. Well pairs GM-2/GM-1, 4S/GM-5, and GM-8/GM-7R had upward gradients for March. In April, well pairs GM-2/GM-1 and 4S/GM-5 were downward and GM-8/GM-7R was upward. Downgradient of the Site, the vertical gradient was downward in March and April 2008 in well pair GM-10/GM-9 and in well pair GM-26/MT-69.

At the Former Oil House Area (AOI 7), March 2008 water-level measurements in upper aquifer well pair GM-23/GM-27 (above the upper clay till/beneath the upper clay till) were not used to evaluate the vertical gradient in the upper aquifer that may be due to mounding associated with RZ-1 injections. A vertical gradient was not determined in the upper aquifer across the upper clay till at the Former Oil House Area in March 2008. In the past, this vertical gradient has been consistently upward. Well pair GM-23/GM-39 was not used to evaluate the vertical gradient in the lower aquifer compared to the upper aquifer that may be due to mounding associated with RZ-1 injections. In the past, this vertical gradient has been consistently upward and comparison to well pair GM-67S/67D (upper clay till not present) approximately 675 ft south of GM-23/GM-39 confirms a upward vertical gradient was present across the regional clay till for this area in March 2008. Further downgradient, no vertical gradient was present in upper/lower monitoring well pair GM-68S/GM-68D. For April water-level measurements, the upper aquifer well pair GM-23/GM-27 had an upward vertical gradient across the upper clay till at the Former Oil House Area. Well pair GM-23/GM-39 in April had an upward vertical gradient across both the upper clay till and regional clay till.

Downgradient of the Site near Holes Creek where the till is not present, evaluation of March vertical gradients in well pair GM-65S/GM-65D shows no gradient and a downward vertical gradient for GM-55/GM-56 with a very small magnitude (0.0033 ft/ft). The evaluation of April vertical gradients in well pairs GM-65S/GM-65D and GM-

55/GM-56 show a small magnitude vertical gradient, 0.0004 ft/ft and 0.0015 ft/ft, respectively. This demonstrates that in areas where till is known not to be present, little to no vertical gradients exist.

3.8.4 Groundwater Flow Model Refinement

The Groundwater Flow Model Update (Appendix D) presents a revision of the revised three-dimensional groundwater flow model (Geraghty & Miller, Inc. 1994b). Since 1994, significant additional information has been obtained both at the site and in the surrounding region. These new data provide additional insight to the CSM in the vicinity of the site and consisted of the following: 1) the areal extent and thickness of the clay-rich aquitard; 2) hydrogeologic properties (i.e., aquifer and aquitard hydraulic conductivities); 3) stage elevation measurements of the Great Miami River and Holes Creek via gauging stations; 4) a database of historical quarterly groundwater elevation measurements with corresponding maps to characterize flow conditions; and 5) municipal water supply well records and remediation well information. Therefore, it was deemed necessary to revise the previous 1994 version of the flow model and incorporate the recently acquired hydrogeologic information.

The objectives of the modeling study were to update and enhance the CSM and, correspondingly, refine the numerical groundwater flow model to support the CMP. The activities that have been conducted to achieve this objective include the following: 1) review of existing CSM and recently collected hydrogeologic data from the supplemental groundwater investigation; 2) refine the CSM; 3) update and refine the previous groundwater flow model; and 4) re-calibrate the refined groundwater flow model to recent flow conditions.

The updates/refinements to the previous model included the following:

- Finite-difference grid refinement (horizontally and vertically);
- Minor adjustment to active model domain (i.e., no-flow boundaries) based on the updated topographic information;
- Identification and delineation of the upper clay-till and incorporation into the previous groundwater flow model;
- Revised delineation of the areal extent of the regional clay-rich aquitard;

- Revised recharge distribution;
- Updated river stage elevations and riverbed conductance values (Great Miami River and Holes Creek);
- Updated extraction well data (i.e., municipal water supply well and remediation well locations and pumping rates); and
- Updated observed water elevations (i.e., re-calibration targets).

The refined numerical groundwater flow model was then re-calibrated to current flow conditions and results indicate that the re-calibrated groundwater flow model is able to effectively simulate the current groundwater flow conditions at the site. The re-calibrated model, therefore, is an effective tool that can be used to support a variety of environmental management/remedial strategy decisions for the CMP and corrective measures implementation.

3.8.5 Groundwater Chemistry Refinement

Since completion of the RFI/Supplemental RFI, groundwater at the site has been evaluated for the presence of the site-specific list of VOCs. Site-wide groundwater chemistry for the upper and lower aquifers is evaluated on an annual basis using the existing well network. The evaluation based on the most recent site-wide event is presented in Section 2.2.3 of the Site-Wide Groundwater Monitoring Report for 2007 (ARCADIS, Inc. 2008). Groundwater at the site was further evaluated for the presence of the site-specific list of VOCs in the 2007 and 2008 supplemental investigation in the on-site and off-site areas described in Section 3.6. One of the objectives of the supplemental groundwater investigation was to better define the plume boundary side-gradient and down-gradient and refine the groundwater chemistry within the Site. This objective has been successfully met for the upper and lower aquifers. Table 4 presents the VOC profiling results for wells GM-65 through GM-84. Table 5 presents the VOC groundwater analytical results from the multiple sampling events completed in 2007 and 2008 from the newly installed upper and lower aquifer wells and select existing wells. Supporting data from the supplemental groundwater investigation is presented in Appendix E. The 2007 and 2008 supplemental groundwater investigation data, along with the 2006 supplemental groundwater investigation data and annual groundwater data from 1999 to 2007 are presented on Figures 10 and 11 for the upper and lower aquifers, respectively.

3.8.5.1 Upper Aquifer

To further refine the current understanding of groundwater chemistry in the upper aquifer, additional wells were installed southwest, south, southeast, and east of AOI 7; in off-site locations west and east of the Site; and downgradient of the Site west of the Great Miami River and near Holes Creek. VOC concentrations observed during the sampling of the wells installed in 2007/2008 are discussed in the following paragraphs.

VOC concentrations in the upper aquifer wells installed southwest, south, southeast, and east of AOI 7 are presented below:

- Well GM-66 is located southwest of AOI 7 in the former Building 14. VOCs detected in GM-66 during the May 2007 sampling event included 1,1-DCA (8.3 ug/L), cis-1,2-DCE (84 ug/L), trans-1,2-DCE (3.3 ug/L), TCE (31 ug/L), and vinyl chloride (4.1 ug/L).

- Well GM-67S is located south of AOI 7. Well GM-67S is paired with lower aquifer well GM-67D. VOCs detected in GM-67S during the May 2007 sampling event included 1,1-DCA (2.8J ug/L), cis-1,2-DCE (5.2J ug/L), PCE (1.1J ug/L), and TCE (140 ug/L).

- Wells GM-68S and GM-74S are located southeast of AOI 7. Wells GM-68S and GM-74S are both paired with lower aquifer wells GM-68D and GM-74D, respectively. PCE and TCE were detected in these wells during the May 2007 sampling event at concentrations of 28 ug/L and 78 ug/L, respectively, in GM-68S and during the September 2007 sampling event at concentrations of 140 ug/L and 83 ug/L, respectively, in GM-74S. 1,1,1-TCA was also detected in GM-68S at a concentration of 0.62J ug/L.

- Wells GM-75S and GM-71/GM-72 are located southeast of AOI 7 and east of Springboro Road. PCE and TCE were detected in well GM-75S during the September 2007 sampling event at concentrations of 490 ug/L and 210 ug/L, respectively. Well GM-71 is screened above the upper clay till and well GM-72 is screened below the upper clay till and above the regional clay till. PCE and TCE were detected in well GM-71 at concentrations of 62 ug/L and 11 ug/L and in GM-72 at concentrations of 53 ug/L and 0.66J ug/L, respectively, in May 2007.

- Well GM-76S is located directly east of AOI 7 and within the Moraine Assembly Plant. Well GM-76S is paired with lower aquifer well GM-76D. PCE and TCE

were detected in this well during the September 2007 sampling event at concentrations of 1.2 ug/L and 1.6 ug/L, respectively.

VOC concentrations in upper aquifer wells west and east of the site are presented below:

- Well GM-83S is located west of Dryden Road near Cooper Tire. VOC concentrations in this well were primarily <1 ug/L during the February 2008 sampling event, with the exception of cis-1,2-DCE (2.9 ug/L). Existing wells that are also located on the western side of the site but had not been sampled since 2002 were resampled in January and February 2008. TCE was the only VOC detected in wells HR-16 and HR-7 at concentrations >1 ug/L (1.3 ug/L and 7.3 ug/L, respectively).

- Well GM-77S is located off-site and east of the Moraine Assembly Plant parking lot. GM-77S was paired with lower aquifer well GM-77D. VOCs were not detected in GM-77S during the September 2007 sampling event.

VOC concentrations downgradient of the site west of the Great Miami River and near Holes Creek are presented below:

- Well GM-79 and well pair GM-80/GM-81 are located on the west side of the Great Miami River. VOC concentrations in these wells were primarily <1 ug/L during the October 2007 sampling event. VOC concentrations that were >1 ug/L include the following: cis-1,2-DCE (1.5 ug/L in GM-80) and TCE (1.6 ug/L in GM-79 and 4.0 ug/L in GM-80).

- Well GM-78 is located north of Holes Creek and east of upper aquifer well GM-62. Well GM-78 was sampled in October 2007 and resampled in January 2008. PCE was the only VOC detected in both sampling events at concentrations of 8.9 ug/L and 11 ug/L, respectively, with the exception of a detection of toluene (0.23J ug/L) in October 2007.

- Existing wells GM-57/GM-26 located north of Holes Creek were resampled in January 2008. PCE was the only VOC detected in well pair GM-57/GM-26 at concentrations of 1.9 ug/L/1.2 ug/L, respectively.

- Well GM-65S is located south of Holes Creek and on the east side of the Great Miami River. GM-65S was paired with lower aquifer well GM-65D. Well GM-65S

was sampled in May 2007 and resampled in January 2008. The VOC concentrations >1 ug/L included cis-1,2-DCE (1.7 ug/L and 1.5 ug/L, respectively), PCE (11 ug/L and 13 ug/L, respectively), and TCE (8 ug/L and 7.9 ug/L, respectively).

3.8.5.2 Lower Aquifer

To further refine the current understanding of groundwater chemistry in the lower aquifer, additional wells were installed south, southeast, and east of AOI 7; in off-site locations west and east of the Site; and downgradient of the Site south of Holes Creek. VOC concentrations observed during the sampling of the wells installed in 2007/2008 are discussed in the following paragraphs.

VOC concentrations in the upper aquifer wells installed south, southeast, and east of AOI 7 are presented below:

- Well GM-67D is located south of AOI 7. VOC concentrations that were >1 ug/L during the May 2007 sampling event include the following: 1,1-DCE (3 ug/L), cis-1,2-DCE (23 ug/L), PCE (54 ug/L), and TCE (45 ug/L).

- Wells GM-68D and GM-74D are located southeast of AOI 7. PCE and TCE were detected in GM-68D (1,500 ug/L and 750 ug/L, respectively) during the May 2007 sampling event. PCE and TCE were also detected in GM-74D (250 ug/L and 130 ug/L, respectively) in September 2007. Well GM-82 was installed further downgradient of GM-68D. VOCs detected in GM-82 in February 2008 included 1,1-DCA (2.3 ug/L), cis-1,2-DCE (47 ug/L), PCE (60 ug/L), and TCE (91 ug/L).

- Well GM-69 is located downgradient of GM-41 and south of GM-82. VOCs detected in GM-69 in May 2007 included 1,1-DCA (8.7J ug/L), cis-1,2-DCE (29 ug/L), PCE (6.5J ug/L), and TCE (300 ug/L).

- Wells GM-75D and GM-73 are located southeast of AOI 7 and east of Springboro Road. Cis-1,2-DCE (24J ug/L), PCE (470 ug/L), and TCE (1,700J ug/L) were detected in well GM-75D during the September 2007 sampling event. PCE and TCE were detected in well GM-73 at concentrations of 160 ug/L and 22 ug/L, respectively, during the October 2007 sampling event.

- Well GM-76D is located east of AOI 7 and within the Moraine Assembly Plant. 1,1-DCE (0.3J ug/L), PCE (0.63J ug/L) and TCE (2.7 ug/L) were detected in this well during the September 2007 sampling event.

VOC concentrations in lower aquifer wells west and east of the Site are presented below:

- Well GM-83D is located west of Dryden Road near Cooper Tire. VOC concentrations detected in this well included cis-1,2-DCE (0.28J ug/L) and vinyl chloride (1.5 ug/L) during the February 2008 sampling event.

- Well GM-70 is located on the eastern side of the Moraine Assembly Plant parking lot. VOC concentrations detected in this well included PCE (11 ug/L) and TCE (0.32J ug/L) during the May 2007 sampling event. Existing wells also located within this parking lot were resampled during May 2007. PCE was detected in GM-58 (82 ug/L). PCE (160 ug/L) and TCE (2.9J ug/L) were detected in GM-54. Cis-1,2-DCE (15 ug/L), TCE (170 ug/L), and vinyl chloride (2.4J ug/L) were detected in GM-41.

- Well GM-77D is located off-site and east of the Moraine Assembly Plant parking lot and well GM-70. The only VOC detected in GM-77D during the September 2007 sampling event was PCE (45 ug/L).

- Well GM-84 is located off-site, southeast of the Moraine Assembly Plant parking lot, and south of GM-77D. VOC concentrations detected in this well included toluene (0.57J ug/L) and TCE (5.5 ug/L) during the February 2008 sampling event.

VOC concentrations downgradient of the site south of Holes Creek are presented below:

- Well GM-65D is located south of Holes Creek and on the east side of the Great Miami River. Well GM-65D was sampled in May 2007 and resampled in January 2008. The VOC concentrations >1 ug/L included 1,1-DCA (1.4 ug/L and 0.94J ug/L, respectively), cis-1,2-DCE (1.5 ug/L and 1 ug/L, respectively), and TCE (1.3 ug/L and 1.1 ug/L, respectively).

3.8.5.3 Description of Plume Delineation

Using the baseline groundwater data collected in 1999, the previous understanding of plume delineation in the upper aquifer was the identification of the Former Oil House Area as the primary source of VOCs with a dissolved phase VOC plume generally following the path of groundwater flow toward recovery well TW-2 and off-site to GM-26. With the supplemental groundwater data collected from 2006 to 2008 in the vicinity of upper aquifer well GM-16 and southeast of the Former Oil House Area the previous understanding of the VOC plume boundary has been refined. Collection of the additional groundwater chemistry data and water level measurements from the monitoring wells installed southwest of the Site near the Great Miami River, as well as the DN-13 water level study and updates to the groundwater flow model, have provided a better understanding of the current plume boundary near the river and groundwater flow direction downgradient and off-site. The collection of additional groundwater chemistry data and water level measurements from the monitoring wells installed southeast of the Former Oil House Area has refined the understanding of the plume boundary, which extends further to the southeast. The extended plume to the southeast may be the result of historic groundwater flow paths associated with former on-site pumping centers.

The previous understanding of the extent of VOCs in the lower aquifer was based on the detection of low level VOC concentrations upgradient, on-site and downgradient generally following the path of groundwater flow toward recovery well DN-13 and off-site to MT-69. Historically, higher concentrations of TCE and PCE were detected in samples collected from former on-site production wells. Based on the groundwater sampling results from lower aquifer well GM-41, supplemental groundwater data was collected in 2006 to 2008 in the vicinity of GM-41 and west and east of the Site to refine the previous understanding of the VOC plume boundary in the lower aquifer. PCE and TCE concentrations detected in the shallow portion of the lower aquifer have been defined beneath the Vehicle Distribution Center, southwest and southeast corners of Moraine Assembly, the Paint Building, and the Paint Building parking lot. The extended plume in these areas may be the result of historic groundwater flow paths associated with former pumping centers and thinning or absence of the regional clay till. Contours of total VOC concentrations for the upper and lower aquifers are shown on Figures H-1 and H-2, respectively, in Appendix H.

3.8.6 Off-Site Private Well Survey Results

An off-site private well survey has been recently conducted in five areas to the west (Area 1), southwest (Areas 2 and 5), south (Area 4), southeast (Area 3), and east (Area 3) of the Site. The purpose of conducting this well survey was to obtain updated information from previous surveys and to obtain information from a new area east of the facility. A summary of the off-site well survey is presented in Appendix F and the findings of the well survey are presented in the following paragraphs.

The boundaries for the five areas (Appendix F, Figure 1) were determined by reviewing the site-specific VOC concentrations in the upper and lower aquifers using data that was collected through 2008 and incorporating the off-site areas where the groundwater plume is believed to be present above drinking water criteria (i.e., MCLs or, for constituents without MCLs, risk-based equivalent drinking water levels). A review of the Ohio Department of Natural Resources (ODNR) well log files was conducted for Areas 1 through 5 in December 2007. Well logs for located and unlocated wells were obtained from ODNR and are included in this summary report in Attachments 1 through 5 in Appendix F. A located well is defined as a well that the ODNR has record of a well log and can confirm its location on a map. An unlocated well is defined as a well that the ODNR has record of a well log but cannot confirm its location on a map.

In addition, an internet search of Montgomery County's Real Estate Tax Information System was completed to identify each parcel in each of the five areas and determine the property address/owner, and telephone correspondence with the Montgomery County Water Department and the City of West Carrollton was conducted to confirm public water supply usage to each property address. Site visits were made to confirm property addresses and current property development. If a well was observed during the property drive by but there was no ODNR well log available for that well, it was defined as a "known well" in the summary tables in Attachments 1 through 5 in Appendix F.

Based on the well survey there are two properties located near the Site that use well water, all other properties have public water service provided. GM has worked with these property owners and collected samples from these wells.

- **The Recording Lab -** While no well log was found during a search of records at the ODNR, a known well exists at The Recording Lab, located at 3571/3573 Dryden Road. Field verification confirmed the location of the well at the north end of the building located at the above referenced address. According to Montgomery

County Water Department, this address does not have public water service provided. The well water is used for the restroom facilities and bottled water is used for potable purposes. The Recording Lab's well was sampled in July 2002 and June 2003. Those sampling results are presented in Attachment 1 of Appendix F. VOCs detected in these samples included 1,2-DCA, cis-1,2-DCE, and vinyl chloride. The results for 1,2-DCA and cis-1,2-DCE were below MCLs and the vinyl chloride results (2.4 ug/L) slightly exceeded the MCL.

- **The Upper Deck Tavern** - While no well log was found during a search of records at the ODNR, a known well exists at The Upper Deck Tavern, located at 2651 Blanchard Avenue. According to Montgomery County Water Department, this address has received public water service in the past, but disconnected service in 1996. The Upper Deck Tavern's well was sampled in October 2004. These sampling results are presented in Attachment 3 in Appendix F. VOCs detected in these samples included chloroethane, 1,1-DCA, and cis-1,2-DCE. The results for these VOCs were below drinking water criteria (MCLs and EDWLs). Carbon vessels used for water treatment at the Upper Deck Tavern are operated by the current owner.

GM has also worked with Miller Valentine to collect samples from their well. The Miller Valentine property is located at 4000 Miller Valentine Court which is west of Dryden Road. According to Montgomery County Water Department, this address has public water service. The well on Miller Valentine property is screened in the lower aquifer and is used on a seasonal basis to water the lawn. Miller Valentine's well was sampled in July and August 2002. VOCs detected in these samples included cis-1,2-DCE and vinyl chloride. The results for cis-1,2-DCE and vinyl chloride were below MCLs.

4. Summary of Risk Assessment and Corrective Measures Goals

4.1 Results of Updated Risk Assessment

A supplemental human health risk analysis has been performed in support of this CMP. The purpose of this risk analysis was to supplement the BRA conducted as part of the RFI and documented in the RFI BRA (ENVIRON 2000a), the Supplemental RFI BRA (ENVIRON 2000b), the Box Sewer Investigation (ARCADIS, Inc. 2002a), the Waste Pile Staging Area Investigation (ARCADIS, Inc. 2004a; 2006) and the Building 14 Investigation (ARCADIS, Inc. 2005a). This supplemental risk analysis included:

- An updated evaluation of potential risks evaluated in the RFI baseline risk assessments associated with groundwater use at and surrounding the Facility based on data collected since the completion of the RFI.

- An evaluation of potential soil and groundwater exposure pathways and receptors identified since the completion of the RFI, specifically, exposure of on-site indoor workers to constituents in soil and groundwater via vapor intrusion; exposure of on-site and off-site maintenance workers to constituents in groundwater; exposure of on-site construction workers to constituents in groundwater and soil; and exposure of off-site routine workers and residents to constituents in groundwater via vapor intrusion and nonpotable groundwater use.

The methods used in this updated human health risk evaluation follow the approach described in the approved Supplemental RFI BRA. The evaluation of the additional pathways and receptors are based on USEPA human health risk assessment guidance and are consistent with those that have been and are in use to streamline the evaluation of data collected during RFIs at GM facilities (ENVIRON 2003). Consistent with the approach presented in the RFI, the potential risks were evaluated in comparison with USEPA's acceptable cancer risk range of 10^{-4} to 10^{-6} and noncancer hazard index (HI) of 1 (55 FR 30798, July 27, 1990 and 61 FR 19432, May 1, 1996), assuming no further corrective measures to provide a basis for (1) determining whether additional corrective measures (including institutional controls) are needed, (2) identifying which potential exposure pathways warrant corrective measures, if any, and (3) supporting any recommendations for corrective measures. The details of this supplemental risk analysis are presented in Appendix G.

The conclusions of this supplemental risk analysis are as follows:

Routine Worker Vapor Intrusion Exposure

As shown in Appendix G, the supplemental risk assessment evaluated potential exposure of on- and off-site routine workers to groundwater via vapor intrusion. Cumulative cancer risk and HI estimates were computed for hypothetical routine worker vapor intrusion exposure to groundwater at and downgradient of the Site. Based on recent sampling data from on- and off-site monitoring wells the well-specific exposure estimates did not exceed a cumulative cancer risk limit of 10^{-4} or noncancer HI limit of 1 for any on-site or off-site wells. Therefore current and reasonably expected future exposure of on- or off-site routine workers to groundwater via vapor intrusion is not expected to be significant.

The supplemental risk assessment also evaluated potential exposure of on-site routine workers to soil via vapor intrusion. Upper-bound cumulative cancer risk and HI estimates were computed for routine worker vapor intrusion exposure to soil at the Site using the maximum detected constituent concentrations in each investigated area. None of the on-site investigated areas exhibited upper-bound risk estimates for routine worker soil vapor intrusion exposure exceeding the cumulative cancer risk limit of 10^{-4} or the HI limit of 1, except at the WPSA (on which a building is not currently located) which exhibited an upper bound cumulative cancer risk of $2x10^{-4}$ and noncancer HI of 10. A boring-by-boring risk evaluation was performed for the WPSA to further assess the potential risks associated with this hypothetical exposure scenario. The noncancer HI estimates for exposure to soil at two boring locations (WPSA-BH11 and WPSA-BH12) exceeded the noncancer HI threshold of 1. Cumulative cancer risks for these two borings were below 10^{-4} and all other borings exhibited exposure concentrations resulting in cumulative cancer risks and noncancer HIs below the respective limits. Therefore current exposure of on-site routine workers to soil via vapor intrusion is not expected to be significant in any of the investigated areas, and future exposures are not expected to be significant in any investigated areas with the exception of a portion of the WPSA, if the WPSA were to be developed in the future.

Maintenance Workers Groundwater Contact Exposure

This supplemental risk assessment evaluated potential exposure of maintenance workers via contact with on-and off-site groundwater. Based on the recent sampling data from on- and off-site monitoring wells, well-by-well cumulative cancer risk and noncancer HI estimates were computed for maintenance worker groundwater contact exposure at and downgradient of the Site. None of the cancer risk or noncancer HI estimates for maintenance worker groundwater contact exposure exceed the

cumulative cancer risk limit of 10^{-4} or the HI limit of 1 for any on-site and off-site wells. Therefore, current and reasonably expected future exposure of on- or off-site maintenance workers to groundwater during excavations which encounter groundwater is not expected to be significant.

Construction Workers Contact Exposure

As shown in Appendix G, this supplemental risk assessment evaluated potential exposure of construction workers via contact with on-site groundwater. Potential exposure of construction workers via incidental ingestion, dermal contact, and vapor inhalation during excavation into the water table during redevelopment activities were indirectly evaluated using exposure estimates for maintenance workers. As noted above, none of the well-by-well risk estimates for maintenance worker groundwater contact exposure exceed the cumulative cancer risk limit of 10^{-4} or the HI limit of 1 for any on-site and off-site wells. Therefore current and reasonably expected future exposure of on- or off-site construction worker to groundwater during excavations which encounter groundwater during redevelopment activities is not expected to be significant.

This risk assessment also evaluated potential exposure of construction workers via contact with soil during site redevelopment activities. Landfill L1, North Settling Lagoon, South Settling Lagoon and the WPSA all exhibited exposure concentrations which resulted in upper bound noncancer HI estimates for construction worker exposure to soil which exceed the cumulative noncancer HI limit of 1. However, the North Settling Lagoon and the South Settling Lagoon have been closed in accordance with Ohio Administrative Code rules (Conestoga-Rovers & Associates 2001; 2002), and therefore, these hypothetical risks have been addressed. Further, the redevelopment of Landfill L1 is unlikely, and therefore, was not evaluated further. For the WPSA, the risk estimates indicate that unless engineering controls (e.g., personal protective equipment) and/or institutional controls (e.g., health and safety plan and procedures) are utilized, reasonably expected future exposure of on-site construction workers to soil may be significant in the WPSA area if this area was to undergo redevelopment.

Resident Vapor Intrusion Exposure

As shown in Appendix G, this supplemental risk assessment evaluated potential exposure of off-site residents to groundwater via vapor intrusion. Based on recent data obtained from on- and off-site monitoring wells, well-by-well cancer risk and noncancer

HI estimates for resident groundwater vapor intrusion exposure do not exceed the cumulative cancer risk limit of 10^{-4} or the HI limit of 1 for any on-site and off-site wells. Therefore current and reasonably expected future exposure of off-site residents to groundwater via vapor intrusion is not expected to be significant.

Potable Groundwater Use

As shown in Appendix G, this supplemental risk assessment evaluated current and potential future exposure via groundwater use at points of current and reasonably expected future groundwater use at and downgradient of the Site.

The significance of on- and off-site groundwater concentrations with respect to the potable groundwater exposures was initially assessed by comparing recent groundwater monitoring data from on- and off-site wells with drinking water criteria. This assessment identified both on- and off-site monitoring locations with concentrations exceeding drinking water criteria. Therefore, a direct assessment of current concentrations at nearby water supply wells was conducted.

Current exposures via potable groundwater use at existing water wells adjacent to the Site were evaluated by comparing sampled concentrations to drinking water criteria. The results of this comparison show that wells potentially used for potable purposes at properties adjacent to the Site do not exhibit concentrations exceeding drinking water criteria. However, a number of on-site and off-site groundwater monitoring wells in both the upper and lower aquifers do currently have concentrations greater than drinking water criteria. Therefore, while current off-site potable exposure to groundwater is not expected to be significant, in the event that drinking water wells are installed in off-site areas where concentrations are above drinking water criteria, potable groundwater exposure may be significant.

This supplemental risk assessment also evaluated potential future exposure via municipal well fields identified based upon a review of current and reasonably expected future groundwater use at and downgradient of the Site. Specifically, potential exposures via the groundwater pathway were evaluated for four groundwater use scenarios reflecting current and reasonably expected future use of groundwater without corrective measures[1]. The first ground water modeling scenario (Scenario 1) is

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[1] Groundwater use scenarios correspond to modeling scenarios originally defined in the RFI baseline risk assessment (ENVIRON 2000a), as updated based on a recent survey of groundwater use on-site and in the area surrounding the site. Each modeling scenario is defined by (1) a groundwater use scenario; (2) a set of

the baseline groundwater scenario which represents current ground water use conditions as discussed in Section 3.8.1.4. Scenario 1A is a variation on this baseline condition which reflects the potential shutdown of all on-site pumping in the near future. Scenario 2 is the baseline condition with the addition of the Miami Shores well field pumping as an emergency drinking water supply. Scenario 2A is a variation on Scenario 2 which reflects the potential shutdown of all on-site pumping in the near future. Two additional ground water modeling scenarios (Scenarios 6 and 7) are evaluated in which corrective measures pumping is implemented. These scenarios are identical to Scenarios 1 and 2, except that the final corrective measures wells are assumed to be pumping.

This assessment shows that the potential migration of constituents, either as a result of leaching from soil/waste from the SWMUs and AOIs or already in groundwater, was unlikely to affect current groundwater uses as the predicted groundwater concentrations do not exceed drinking water criteria at any currently used well field (i.e., West Carrollton) or on-site industrial well (Scenarios 1/1a). In the unlikely event that the Miami Shores well field is turned on for emergency purposes to supplement the drinking water supply from the City of Dayton via Montgomery County Scenarios 2/2a), the migration of constituents, either leaching from soil/waste from the SWMUs and AOIs or already in groundwater, may result in concentrations at the Miami Shores well field which are greater than drinking water criteria and thus would pose an unacceptable risk.

More specifically, under Scenario 2, the predicted concentrations of PCE, TCE, VC, benzo(a)anthracene, benzo(b)fluoranthene, antimony, cadmium, and chromium at the Miami Shores Well Field exceed drinking water criteria. Under Scenario 2a (same as Scenario 2 assuming Moraine Assembly wells 11B and12A are off), the predicted concentrations of PCE, TCE, benzo(a)anthracene, benzo(b)fluoranthene, antimony, cadmium, and chromium, and manganese at the Miami Shores Well Field exceed drinking water criteria. The primary sources contributing to these hypothetical constituent exposure point concentrations are as follows:

- The primary contributor of the PCE and TCE concentrations is AOI 26 (Moraine Assembly Process Waste Collection System) (GM-75D) and the regional clay till (GM-68D) source zones.

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wells that are expected to be pumping under the groundwater use scenario; and (3) a set of associated groundwater exposure points that are evaluated in the risk assessment.

- The primary contributor of the VC concentration is AOI 7 (Former Oil House Area).
- The primary contributor of benzo(a)anthracene, benzo(b)fluoranthene, antimony, cadmium, and chromium concentrations is the (WPSA).
- The primary contributor of manganese is AOI 13 (Buildings 4, 6, and 13).

With regards to contributions from the WPSA to the Miami Shores Well field, these concentrations are likely overstated. Most significantly, the predicted contributions of benzo(a)anthracene, benzo(b)fluoranthene, antimony, cadmium, and chromium, are not supported by the on-site actual groundwater monitoring data. Benzo(a)anthracene and benzo(b)fluoranthene, were not detected in groundwater samples collected from wells in the WPSA. In addition, the source terms for antimony, cadmium, and chromium that were based on soil leaching to groundwater are significantly higher than the maximum detected groundwater concentrations of these constituents in groundwater at the WPSA. Similarly, for AOI 13, the predicted contributions of manganese from AOI 13 soil concentrations are not supported by groundwater monitoring data in this area. Since 2004, the maximum manganese groundwater concentration observed at the site was 1.7 mg/L (W-4-S, 9/24/2007) which is significantly lower than the predicted manganese concentration of 9.38 mg/L used in the groundwater model.

For the scenarios which reflect the implementation of corrective measures, this assessment shows that the proposed corrective measures pumping (i.e., TW-2, DN-13, and new lower aquifer pumping well near GM-68/GM-75) would be adequate to prevent constituents in soil/waste at the SWMUs and AOIs from migrating to receptor locations at levels of potential concern. More specifically, under Scenario 6, which represents baseline conditions with final corrective measures pumping (i.e., DN-13, TW-2, and new lower aquifer pumping well near GM-68/GM-75) and without at the GM production wells 11B and 12A operating, the predicted groundwater concentrations at the receptor wells do not exceed drinking water criteria. The proposed final corrective measures are presented in Section 6.

Under Scenario 7, which represents baseline conditions with final corrective measures pumping and with pumping of Miami Shores well field as an emergency water supply, the predicted receptor well concentrations do not exceed drinking water criteria with the exception of antimony which is predicted to exceed drinking water criteria at the Miami Shores well field. As discussed above, the primary contributor of antimony concentration at the Miami Shores well field is the WPSA. However the assumptions

on which the predicted antimony concentration is estimated likely overstate the source concentrate on when compared with actual groundwater data at the WPSA.

Nonpotable Water Use

As shown in Appendix G, this supplemental risk assessment evaluated potential exposure of receptors to groundwater via nonpotable groundwater use. Well-by-well estimates of cumulative cancer risk for nonpotable groundwater use exposures exceeded the cumulative cancer risk limit of 10^{-4} at four on-site wells (wells GM-23, OW-2, OW-3 and RW-11). GM-23, OW-2, and OW-3 are within the primary groundwater source area at AOI 7. RW-11 is located in the WPSA. None of the off-site monitoring wells or off-site private wells at adjacent properties exhibit concentrations which would result in cancer risk or noncancer HI estimates for nonpotable groundwater use which exceed the cumulative cancer risk limit of 10^{-4} or the HI limit of 1. Given the limited extent of groundwater with concentrations on-site indicating a potentially significant risk under this conservative exposure scenario, it is unlikely that off-site migration in the future would take place such that significant off-site nonpotable groundwater use exposure would result. Therefore, current and reasonably expected future exposure off-site to groundwater via nonpotable groundwater use is not expected to be significant.

Surface Water Exposure

As shown in Appendix G, this supplemental risk assessment evaluated potential exposure to surface water in the Great Miami River given the potential for constituents to be transported to the River via groundwater in the upper aquifer. The maximum predicted surface water exposure concentration is well below drinking water criteria, which represent a conservative screening criteria for assessing exposure to surface water (i.e., exposures are more likely to be from nondrinking water exposures, such as water contact while swimming). Therefore, current and reasonably expected future exposure to surface water in the River is not expected to be significant.

4.2 Site-Wide Corrective Measures Goals

The goal of the corrective measures for groundwater at this Site is to reduce existing site-related groundwater concentrations to levels that are protective of reasonably expected future uses of groundwater. GM's approach for achieving this goal is through a combination of the corrective measures that achieve plume migration control, reduce existing plume concentrations, and monitor performance of these measures. Once on-

site groundwater concentrations are reduced sufficiently by active corrective measures (pumping and in-situ treatment) to ensure continued protection of reasonably expected groundwater uses, some, or all, of the active measures will be terminated. Groundwater monitoring as described in the Site-Wide Groundwater Monitoring Plan (ARCADIS, Inc. 2002b) will continue to verify that groundwater conditions remain acceptable, and that ultimately, groundwater concentrations at the point of compliance (POC) defined for the upper and lower aquifers (wells are listed below), decline below the appropriate protective levels (i.e., appropriate for the protection of the groundwater resource and its reasonably expected future uses). Data have been and will continue to be acquired during the implementation of the site-wide groundwater monitoring program to evaluate progress towards achieving this goal.

The need for continued operation of the groundwater corrective measures described in the next section will be determined based on achieving and maintaining the following conditions:

1. Upper aquifer: consistent with the criterion stated in the approved RCRA Corrective Action Environmental Indicator (EI) Determination – Migration of Contaminated Groundwater Under Control (CA 750), the condition to be met in the upper aquifer is no migration of VOCs at concentrations exceeding the appropriate protective levels (i.e., appropriate for the protection of the groundwater resource and its reasonably expected future uses as characterized in the RFI) beyond the existing area of contaminated groundwater. Based on the groundwater conditions established during the annual sampling events and supplemental groundwater investigation, the existing wells GM-79, GM-80, GM-65S, GM-26, GM-55, and GM-78 will serve as the POC monitoring points for ensuring that current conditions are maintained or improved.

2. Lower aquifer: consistent with the goal to maintain a usable aquifer, including off-site drinking water use, the condition to be met in the lower aquifer is no VOC concentrations exceeding appropriate protective levels (i.e., appropriate for the protection of the groundwater resource and its reasonably expected future uses as characterized in the RFI) beyond the existing area of contaminated groundwater. Based on the groundwater conditions established during the annual sampling events and supplemental groundwater investigation, the existing wells GM-83D, GM-15, GM-11, GM-20D, and GM-84 will serve as the POC monitoring points for ensuring that these conditions are maintained.

Progress towards achieving these conditions will be evaluated by comparing groundwater quality data from on-site wells to calculated remediation target levels (RTLs) that ensure compliance with these conditions without active corrective measures. As described in Section 2 of the IM/CM Report, RTLs are estimated using the groundwater assessment methods developed in the Supplemental Baseline Risk Assessment (ENVIRON Corporation 2000b), taking into consideration the current pumping conditions at and in the vicinity of the facility. Specifically, the MODFLOW groundwater flow model developed for former Delphi Thermal Moraine (Geraghty & Miller, Inc. 1994b) and the surrounding region (including former Moraine Engine and Moraine Assembly) is used to support the estimation of RTLs that would not be expected to result in exceedances of the above-stated conditions at the designated POCs. Once on-site groundwater concentrations are reduced sufficiently by active measures to be protective of reasonably expected future uses, some or all of the proposed active measures will be terminated. The RTLs currently in use for the annual monitoring program will be updated as part of the corrective measures design plan.

5. Summary of Corrective Measures Options

The identification and screening process of potentially applicable corrective measures technologies for implementation at the Site is presented in this section. This technology identification and screening process was completed in the past to address specific groundwater interim measures described in Section 3.5 (capture zone interim measures and AOI 7 interim measures). The purpose of this section is to identify and comparatively evaluate appropriate remedial technologies, taking the current interim measures into consideration, and determine which technology(s) are best suited to achieve the corrective measures objectives defined below. The retained list of technologies will be assembled into the final corrective measure alternative for the Site, as discussed in Section 6.0.

Site-specific corrective measures objectives were established to evaluate the capability of the corrective measures alternatives to meet the goals presented in Section 4.2. The objectives are based on the RFI, Supplemental RFI, and supplemental investigation results, including the BRA conclusions; Supplemental BRA conclusions; CMP supplemental risk assessment included as Appendix G; requirements of the Administrative Order (as amended); and U.S. EPA guidance (U.S. EPA, 1994). The corrective measures objectives address the VOCs in groundwater, exposure routes and receptors identified in the BRA, Supplemental BRA, CMP supplemental risk assessment, and a media-specific cleanup standard.

The corrective measures objectives for the protection of human health for the upper aquifer are as follows:

1. Control VOC mass in the upper aquifer groundwater above the upper clay till in the primary source area (AOI 7);

2. Limit future migration of VOCs from the primary source area to downgradient portions of the upper aquifer and into the lower aquifer;

3. Address VOCs that have migrated downgradient from the primary source area in order to expedite remediation of the downgradient plume;

4. Prevent the migration of VOCs at concentrations exceeding the MCLs beyond the existing plume boundary; and

5. Continue implementing the final corrective measures until the corrective measures goals and objectives are achieved on-site and MCLs can be met and maintained at the property line POC without active remedial measures.

The corrective measures objectives for the protection of human health for the lower aquifer are as follows:

1. To maintain the lower aquifer as usable groundwater for potential off-site, downgradient drinking water uses,

2. Prevent the migration of VOCs at concentrations exceeding MCLs beyond the existing plume boundary, and

3. To meet and maintain MCLs at the downgradient property line POC without active remedial measures.

5.1 Summary of Alternatives for Groundwater

5.1.1 Upper Aquifer

As discussed in Section 3.8, the upper aquifer at the Site is impacted by chlorinated VOCs resulting from historical activities primarily at AOI 7. The resultant groundwater plume extends to the south/southwest of AOI 7 consistent with observed groundwater flow at the Site and to the southeast of AOI 7consistent with historical pumping centers. ERD and groundwater capture zone corrective measures were implemented at the Site to control migration of chlorinated VOCs to off-site areas. The proposed corrective measures are described further below.

The following corrective measures were considered for selection as a final corrective measure for the upper aquifer groundwater:

- Enhanced Reductive Dechlorination;

- Groundwater Extraction; and

- Monitored Natural Attenuation (MNA).

5.1.1.1 Enhance Reductive Dechlorination

ERD is an engineered bioremediation technique in which chlorinated compounds are degraded under anaerobic conditions through a series of microbiologically-mediated transformations. The reductive dechlorination capacity of native soil bacteria are enhanced through injection of an easily degradable carbohydrate solution (e.g., food-grade molasses) into impacted groundwater.

In the presence of the carbohydrate solution soil bacteria respire naturally-occuring available electron acceptors (oxygen, nitrate, iron, manganese, sulfate, carbon dioxide) and chlorinated ethenes to support respiration. Microbial utilization of these electron acceptors creates electrochemically reducing conditions. By maintaining excess carbohydrate in the groundwater environment, the groundwater environment is driven to anaerobic and strongly reducing conditions, which facilitates complete respiration of chlorinated ethenes to form innocuous endproducts. The zone in which this environment is established becomes an in-situ reactive zone (IRZ).

ERD technology relies on an active delivery method, whereby the organic carbon source is periodically injected under low pressure through permanent injection wells. This process ensures immediate and continued delivery of excess organic carbon to the formation. This allows microbial populations to flourish in a relatively short time frame, resulting in a highly reducing groundwater environment and supporting contaminant degradation at rates sufficient to meet remedial goals. Additional injections, natural dispersion, and advective groundwater transport also help maintain and propagate the IRZ.

Enhanced reductive dechlorination was implemented in 1999 as a component of the Former Oil House Area interim measures at three zones: 1) at the southern boundary of the Former Oil House Area (RZ-1); 2) at an intermediate downgradient location south of the Former Oil House Area in the ME well series area (RZ-2 which was operated from 1999 to 2002); and 3) at a downgradient location south of former Delphi Thermal Moraine (RZ-3 West) and the former Moraine Engine plant (RZ-3 East). Using the data obtained from the Supplemental Groundwater Investigation conducted in 2006, RZ-4 was designed and installed to address VOC impacts identified west of RZ-3 West (GM-16).The current RZ locations are shown on Figure 2.

A dilute molasses carbohydrate solution is introduced to the aquifer on an approximately monthly basis into RZ-1, RZ-3, and RZ-4 introduction points. Reactive zone performance is routinely monitored through the collection of field parameter

measurements, and laboratory analyses of biogeochemical parameters and VOCs, according to the Site-Wide Groundwater Monitoring Plan (ARCADIS, Inc. 2002b). Observations indicating ERD effectiveness for addressing shallow groundwater impacts at the Site are summarized below:

- Reducing conditions favoring ERD within and downgradient of the reactive zones have been established and maintained over time;
- The target compounds (PCE and TCE) have been effectively reduced to daughter products (cis-1,2-DCE and vinyl chloride) and ultimately to end products (ethene and ethane); and
- Vinyl chloride concentrations have been consistently low to non-detect in groundwater samples collected from all downgradient shallow monitoring wells, indicating degradation of cis-1,2-DCE to ethene and ethane without significant vinyl chloride production.

A more thorough discussion of current RZ operational performance can be found in the Site-Wide Groundwater Monitoring Report for 2007 (ARCADIS, Inc. 2008). Implementation of ERD at the Site has achieved the desired reduction of VOC concentrations in shallow groundwater monitored at the RZ performance wells (ARCADIS, Inc. 2008).

5.1.1.2 Groundwater Extraction

Groundwater extraction is primarily used as a containment strategy although some benefit of mass removal can be realized for dissolved contaminants. Groundwater extraction wells can be used to control the migration of groundwater contaminants by altering the hydraulic gradient of the aquifer. Impacted groundwater recovered by the extraction well(s) are treated on site with an on-site water treatment system.

A groundwater extraction interim measure for the upper aquifer has been implemented at the Site and consists of groundwater extraction at the property boundary using well TW-2, groundwater treatment through an air stripper tower; and discharge through GM's NPDES permitted outfall to the Great Miami River. Groundwater recovery from TW-2 began on January 31, 1996. During the 12 years of operation (January 31, 1996 through December 31, 2007), the system has recovered and treated a total of 791,655,020 gallons of groundwater at an average flowrate of 145 gpm. The location of recovery well TW-2 is shown on Figure 2.

The TW-2 capture zone was assessed using the recently-updated site groundwater flow model. The analysis indicated that the TW-2 capture zone is capturing a significant fraction of shallow-zone groundwater and associated groundwater impacts along the southwestern portion of the Site (Appendix H).

5.1.1.3 Monitored Natural Attenuation

Monitored natural attenuation (MNA) is premised on natural processes providing sufficient degradation and/or attenuation of target contaminants to meet remedial goals without active measures. This includes physical (e.g., dilution, dispersion, volatilization), chemical (e.g., hydrolysis, precipitation), as well as biological processes.

Implementation of MNA as a remedy for groundwater impacts involves continued monitoring of VOC concentrations to quantify attenuation rates and, in certain cases, monitoring of other parameters, such as biogeochemical parameters, to define what processes may be responsible for the observed attenuation and to demonstrate transformation of the VOCs. The application of MNA takes advantage of natural processes to attenuate contaminant concentrations.

5.1.2 Lower Aquifer

As discussed in Section 3.8, the lower aquifer at the Site is impacted by chlorinated VOCs, with the most significant concentrations of PCE and TCE occurring at the southwest corner of the Moraine Assembly Plant (well GM-75D) and beneath the Vehicle Distribution Center (well GM-68D). Vertical definition of the VOC profiling indicated that contaminant concentrations in the deep aquifer are greatest immediately below the regional clay till and decrease with depth.

The following corrective measures were considered for selection as a final corrective measure for the lower aquifer:

- Recirculation Enhanced Reductive Dechlorination;
- In-Well Contaminant Stripping;
- Groundwater Extraction; and
- Monitored Natural Attenuation.

5.1.2.1 Recirculation Enhanced Reductive Dechlorination

As discussed above, ERD is an engineered bioremediation technique in which chlorinated compounds are degraded under anaerobic conditions through a series of microbiologically-mediated transformations. The reductive dechlorination capacity of native soil bacteria are enhanced through injection of an easily degradable carbohydrate solution (e.g., food-grade molasses) into impacted groundwater.

ERD has been successfully implemented at the Site to address shallow groundwater impacts. Carbon delivery for ERD implementation in the deep groundwater zone would differ from the ERD implementation in the shallow zone, which consists of monthly carbon substrate injections into RZ injection wells. The higher hydraulic conductivity and groundwater flow velocity in the deep zone would require multiple monthly injections and dense injection well spacing, which would greatly increase system operation and maintenance costs. Due to this constraint, an automated recirculation ERD system was contemplated to address deep groundwater impacts. Groundwater would be recovered from an extraction well, amended with carbon substrate by an automated carbon delivery system, and returned to the aquifer.

5.1.2.2 In-Well Contaminant Stripping

In-well contaminant stripping is an in-situ remediation technology which utilizes a double-screened well. Groundwater is extracted from the lower well screen, pumped vertically within the well, aerated, and discharged to the upper screen. The gas/liquid contacting associated with groundwater aeration facilitates mass transfer of volatile groundwater contaminants from groundwater to process air, which is captured for treatment. This method of treatment eliminates the need for above-grade groundwater treatment.

5.1.2.3 Groundwater Extraction

Groundwater extraction is primarily used as a containment strategy although some benefit of mass removal can be realized for dissolved contaminants. Groundwater extraction wells can be used to control the migration of groundwater contaminants by altering the hydraulic gradient of the aquifer. Impacted groundwater recovered by the extraction well(s) are typically treated on site with an on-site water treatment system or discharged into a sanitary sewer for offsite treatment. An on-site capture zone analysis for the lower aquifer was completed using the recently-updated site groundwater flow model to determine optimum location(s) for recovery well(s) and predicted capture

areas (Appendix H). Well DN-13 is a lower aquifer well that Montgomery County has been using in a Pump-to-Waste Program since March 1990. The capture zone interim measure for the lower aquifer consists of continued pumping of DN-13 at an approximate rate of 1,100 gpm to maintain capture in the lower aquifer downgradient of the Site. The location of well DN-13 is shown on Figure 2.

5.1.2.4 Monitored Natural Attenuation

MNA, described in Section 5.1.1.3 for the upper aquifer, may also be applied in the lower aquifer.

5.2 Site-Wide Groundwater Monitoring

A key component of the final corrective measures will be the site-wide groundwater monitoring program as defined in the Site-Wide Groundwater Monitoring Plan (ARCADIS, Inc. 2002b). This program has been implemented since 1999. The objectives of this program are to:

- Monitor groundwater quality upgradient and downgradient of the closed North and South Settling Lagoons;
- Monitor groundwater quality upgradient and downgradient of Landfills L1, L2, and L3;
- Monitor the effectiveness of and the need for current groundwater capture systems in the upper aquifer and lower aquifer;
- Monitor the effectiveness of corrective measures remediation activities in the reactive zones to address VOCs related to the Former Oil House Area; and
- Monitor an appropriate list of wells once corrective measures objectives have been met to verify that these objectives continue to be met without active measures.

As discussed in the Site-Wide Groundwater Monitoring Plan, an annual report will be prepared and submitted to the U.S. EPA by March 1st of the following year. The annual report will include a discussion of field activities (groundwater sampling, corrective measures, water-level measurements) and a presentation of analytical results. Data evaluation and any recommendations for changes to the corrective

measures, RTLs, or site-wide groundwater monitoring plan will be included in this annual report.

5.3 Engineering/Institutional Controls

Institutional controls are an important component of the final corrective measures to ensure long-term protection of human health and the environment under the current industrial land use. Engineering controls for the WPSA will include the maintenance of a paved cover over the WPSA in conjunction with institutional controls to reduce the potential for direct contact or vapor intrusion exposure to soil. Property deed and land use restrictions placed on the land-based units (Landfills L1, L2, and L3) and the WPSA will prevent non-industrial use of this land and prevent exposure for long-term management of these units.

Property deed restrictions placed on groundwater (upper and lower aquifers) at the Site will prevent its use as a potable/industrial water supply. These controls are in addition to existing state regulations governing development and use of groundwater for a potable water supply and local zoning of the land use at and surrounding the facilities. GM will implement property deed restrictions and groundwater use restrictions through development of an Environmental Covenant.

5.4 Corrective Measure Alternatives Screening

The following factors were used to screen the corrective measures.

- Long-term Reliability and Effectiveness: Considers whether the technology has been used effectively under analogous site conditions, if failure of the technology would have an immediate impact on potential receptors and the useful life span of the alternative.

- Reduction in the Toxicity, Mobility or Volume of Wastes: Considers whether the alternative is capable of eliminating or substantially reducing the potential for the contaminants to cause future environmental damages or risks to human health and the environment.

- Short-term Effectiveness: Short-term effectiveness is relevant where waste characteristics are such that risks to workers, the general public, or to the environment are high and special protective measures are needed.

- Implementability: Considers the administrative activities needed to implement the alternative, the constructability of the remedy, and the availability of materials and specialized services required for remedy implementation and operation.

- Cost: Considers the relative cost of remedies that offer equivalent protection of human health and the environment. Cost estimates include: site preparation, materials, construction, engineering, waste management and disposal, permitting, health and safety measures, and operation and maintenance.

A comparative evaluation of the groundwater corrective measures with respect to the screening criteria is presented on Table 8 for the upper and lower aquifers, respectively. Using the retained corrective measures, the proposed final corrective measures have been assembled and are presented in Section 6. The final corrective measures have been evaluated using general remedy standards and remedy decision factors.

6. Evaluation of Proposed Final Corrective Measures

This CMP serves as a comprehensive document that includes a summary of all RFI, Supplemental RFI, and additional supplemental investigations that have been completed since approval of the RFI and Supplemental RFI Reports. This CMP also includes a summary of the revised groundwater flow model, the off-site private well survey, the revised risk analysis, interim measures completed to date, the revised corrective measures goals, and updated technology identification and screening. Using this information, the final recommended site-wide remedy has been assembled. GM proposes that the combination of ongoing capture zones (TW-2 and DN-13) and in-situ reactive zones (upper aquifer) corrective measures previously described are capable of effectively addressing the VOCs in groundwater at the Site. In addition, GM recommends a corrective measure for a select area in the lower aquifer to limit the further migration of VOCs off-Site. Site-wide groundwater monitoring, and engineering/institutional controls will also be components of the final remedy. The recommended final remedy is protective of human health and the environment by reducing toxicity, mobility, and volume of waste through treatment; will address the short-term and long-term goals for the Site (Section 4.2); will meet the corrective measures objectives (Section 5); and will be cost effective.

The components of the final corrective measures are as follows:

1). Upper Aquifer Reactive Zone Corrective Measures: operation of in-situ remediation barriers in the upper aquifer downgradient and sidegradient of the Former Oil House Area and downgradient of the Moraine Assembly Process Waste Collection Systems (RZ-1, proposed relocated RZ-2, RZ-3, RZ-4) for treatment.

2). Upper Aquifer Capture Zone Corrective Measures: operation of an upper aquifer recovery well at the downgradient property boundary (TW-2) for hydraulic control.

3). Lower Aquifer Corrective Measures: operation of two lower aquifer recovery wells, one located downgradient of wells GM-68D/GM-75D for lower aquifer source containment and one downgradient of the Site property boundary (DN-13) for hydraulic control.

4). Corrective Measures Groundwater Monitoring: completion of monitoring groundwater quality associated with land-based units, performance monitoring for corrective measures, and point of compliance wells.

5). Engineering/Institutional Controls: implementation of land and groundwater use restrictions via environmental covenants for the entire facility.

6.1 Final Remedy Components

Components of the final corrective measures for the upper and lower aquifers are described below and presented conceptually on Figure 12. Site-specific remedial system configurations and operational details presented here are based on the revised site conceptual model and current site operational conditions. While the main components of the upper and lower aquifer remedies (ERD and groundwater extraction) are not anticipated to change over time, adjustments to this operational program are anticipated as part of GM's continual efforts to optimize system operation and effectiveness. The site understanding is refined based on additional data collection, and groundwater conditions improve over time. Any future changes to the final remedy configuration will be made in a manner that will not affect the capacity of the final remedy to achieve the corrective measures objectives presented in Section 5.

6.1.1 Upper Aquifer

The recommended final remedy incorporates ERD and groundwater extraction elements. The current shallow aquifer IRZs zones will be operated as part of the final corrective measures with some modifications to injection well locations and injection procedures. These modifications will be made to optimize system operation for long-term operation. The following modifications are planned:

- To the extent possible the IRZ carbon introduction system will be evaluated for automation to reduce labor costs and improve long-term system sustainability. In the current configuration water must be loaded into a trailer-mounted tank, driven to a molasses storage tank, and then transported to each injection well. Dedicated water and molasses distribution lines will be installed to speed injections, reduce energy consumption, and provide a consistent molasses/water mixture. Some IRZ operations may remain manual (e.g. RZ-3 West) as the capital cost for a small number of remote injection wells outweighs the potential reduction in costs.

- RZ-4 West will be relocated from the west side of Dryden Road to the east side of Dryden to facilitate automation of that IRZ line. This relocation will not alter the effectiveness of RZ-4 West.

- A portion of RZ-3 West will be shut down based on continued long-term operation of pumping well TW-2 (discussed below). TW-2 provides groundwater capture for most groundwater that passes through the RZ-3 West barrier (Appendix H). Discontinuation of injection into redundant RZ-3 West wells will reduce energy and resource consumption and the associated cost. The criteria for injection well shut down and groundwater flow models showing the TW-2 capture zone will be further evaluated prior to the proposed shut down.

- A new IRZ line will be added in the vicinity of monitoring wells GM-59 and GM-60 where elevated VOC concentrations have been observed in the upper aquifer. This IRZ line will prevent future downgradiant migration of upper aquifer VOC-impacted groundwater both in the upper aquifer and into the lower aquifer. The new IRZ line is referred to as proposed RZ-2 as shown conceptually on Figure 12.

Groundwater extraction well TW-2 will be operated as part of the final upper aquifer remedy. Operation of TW-2 will maintain shallow aquifer plume control through capture of shallow groundwater not within the remediation zone of RZ-3. The existing groundwater treatment system will be assessed and the air stripper may be upgraded or replaced to reduce maintenance, labor, and energy consumption. The operation of TW-2 will be re-evaluated at the end of a five years period for continued use need. Groundwater will be treated to comply with applicable discharge permit criteria.

6.1.2 Lower Aquifer

The recommended final remedy for the lower aquifer is hydraulic control and contaminant mass recovery via groundwater extraction. Two lower aquifer groundwater extraction wells will be operated as part of the final remedy; pumping well DN-13 located at the downgradient groundwater plume boundary and a new pumping well to be installed in the vicinity of monitoring well GM-68 where groundwater impacts in the lower aquifer were found to be the greatest during recent supplemental investigation activities. The basis for this final remedy selection are:

- Continued operation of DN-13 will ensure that lower aquifer groundwater impacts will not migrate beyond the existing stable plume footprint and be protective of the groundwater resource at downgradient receptors.

- The pumping well to be installed near GM-68 will recover contaminant mass closer to the greatest observed concentration of VOCs and likely accelerate lower aquifer

plume remediation so that the POC can ultimately be moved to the property boundary.

Groundwater recovered from a future lower aquifer extraction well positioned near GM-68 will be treated using an above grade water treatment system and discharged to the same NPDES-permitted outfall where TW-2 treated water is currently being discharged. Extracted groundwater will be treated to comply with applicable discharge permit criteria or other appropriate options. Hydrogeologic testing will be conducted as necessary to establish an appropriate extraction flow rate and determine extracted groundwater quality to facilitate groundwater treatment system design.

As presented in Sections 5.2 and 5.3, corrective measures groundwater monitoring and engineering/institutional controls, respectively, will be components of the final remedy for the Site. MNA will also be a component of the final remedy once the active measures have ultimately been shut down.

6.2 General Remedy Standards

Overall Protection – The selected final corrective measures described in Section 6.1 is protective of human health through the implementation of active IRZ treatment barriers, hydraulic source area containment, and hydraulic control at the property boundary. These measures will be protective of the off-site downgradient drinking water uses for the lower aquifer. These active measures will prevent the migration of VOCs at concentrations exceeding MCLs beyond the existing plume boundary.

Attainment of Media Cleanup Standards – The selected final corrective measures includes long-term groundwater monitoring to evaluate groundwater quality upgradient and downgradient of land-based units, for performance monitoring of the active remedies, and to evaluate groundwater quality at the POC wells. MCLs will be used for the media cleanup standards at the POC wells.

Controlling the Sources of Releases – The selected final corrective measures includes IRZ treatment barriers and downgradient hydraulic control for the upper aquifer and hydraulic source area containment with aboveground treatment and downgradient hydraulic control for the lower aquifer to reduce or eliminate VOC migration from the identified source areas to downgradient portions of the upper and lower aquifers.

Compliance with Applicable Standards for Waste Management – No wastes will be generated as part of the selected final corrective measures other than related to corrective measures installation which will be managed to comply with all applicable standards.

6.3 Remedy Decision Factors

Long-term Reliability and Effectiveness – The selected final corrective measures contains components that have already been implemented for 9 or more years and have proven to be effective to treat and/or contain VOCs and prevent further migration. The groundwater monitoring data will be used to confirm the long-term reliability and performance effectiveness of the final remedy.

Reduction of Toxicity, Mobility, or Volume of Wastes – The selected final corrective measures contains components to reduce the contaminant toxicity, mobility and volume through treatment (IRZ treatment barriers in the upper aquifer). It also contains components to reduce the mobility and volume of contaminants by preventing contaminant migration (hydraulic containment in the upper and lower aquifers) with aboveground treatment systems.

Short-term Effectiveness – Components of the selected final corrective measures have already been implemented for 9 or more years; therefore, the short-term effectiveness has already been achieved. Additional components of the final remedy discussed in Section 6.1 that are proposed can achieve effectiveness in the short-term timeframe.

Implementation – Components of the selected final corrective measures have already been implemented for 9 or more years. Additionally the proposed components of the final remedy are an expansion of the existing technologies; therefore, they can be easily implemented within site conditions.

Cost – Components of the selected final corrective measures have already been implemented and continued operation of these components will be cost effective. The additional costs will be associated with implementation of the proposed components of the final remedy and continuation of corrective measures groundwater monitoring program.

Based on information currently available, the selected final remedy for the Site provides the most appropriate balance of corrective measures options with respect to the evaluation criteria.

Future reports will be prepared for the final corrective measures that includes design plans for the lower aquifer recovery well and pump and treat system, the design of proposed RZ-2, the redesign of RZ-3 and RZ-4, the revised corrective measures groundwater monitoring program, and the Environmental Covenant.

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APPENDIX J

Qualifications of Environmental Professionals

LFR an ARCADIS company

STEPHEN P. MCCARTHY

Senior Associate Scientist

asbestos management
industrial hygiene
environmental investigations
environmental site assessments

As Director of Site Assessments at LFR Inc. (LFR) Braintree, Massachusetts office, Mr. McCarthy is responsible for the technical supervision of all personnel performing Phase I Environmental Site Assessments (ESAs). His responsibilities include technical oversight, logistics, scheduling and cost control, interface with clients and regulatory agencies, quality control of environmental assessments conducted within the branch and conducting Phase I ESAs throughout the United States.

With over 20 years of experience in the environmental consulting field, Mr. McCarthy has provided his technical expertise on a wide-range of projects for property owners, financial institutions, school departments, governmental agencies and hospitals. Mr. McCarthy has conducted environmental assessments on commercial/retail, residential and industrial properties in accordance with the American Society for Testing and Materials (ASTM) standard practice for Environmental Site Assessments E 1527 and client specific scopes of work. In addition, Mr. McCarthy has conducted asbestos identification surveys, prepared Operations and Maintenance programs, developed asbestos abatement technical specifications, monitored removal of asbestos-containing materials, performed indoor air quality investigations, managed the removal of underground petroleum storage tanks and prepared Spill Prevention, Control and Countermeasure (SPCC) plans.

EDUCATION

B.A. History, Providence College, 1986

REPRESENTATIVE EXPERIENCE

- **Various Properties (Client Confidential), Nationwide**. As Project Manager, Mr. McCarthy was responsible for the overall project management of multi-site/multi-state environmental assessment projects. These projects ranged in size from a single site up to 36 different sites located across the United States. Mr. McCarthy was responsible for project scheduling, cost control, technical oversight and review of all final reports prior to issuance to ensure they complied with ASTM standards and client specific requirements.
- **NationsBank, Dallas, TX.** As Project Manager, Mr. McCarthy was responsible for the overall project management of the performance of 50 Phase I ESAs of bank buildings located throughout the State of Texas within a six-week time frame. The ESAs consisted of inspections of current site operations and a reconnaissance of abutting/adjacent properties, historical research and review of federal, state and local regulatory records.
- **NationsBank, Corsicana, TX.** Performed a Phase I ESAs on three tracts of land in downtown Corsicana, TX. Project involved a detailed historical research on former uses of the tracts of

land revealed numerous suspect underground storage tank (UST) locations. Designed and coordinated performance of a geophysical survey on the three tracts of land to identify the likely presence of USTs to aid in the preparation of the scope of work for a Phase II subsurface investigation. The geophysical survey consisted of the use of a combination of electromagnetic induction (EM31) and ground magnetics. Based upon the findings of the geophysical survey, prepared a scope of work and cost estimates for the performance of the subsurface investigation.

- **NCNB Texas National Bank, Dallas, TX.** Provided asbestos identification surveys on 110 buildings containing over 8 million square feet of space located throughout the state of Texas. Responsibilities consisted of design of the survey strategy, on-site inspection and collection of bulk material samples, assessment of asbestos-containing materials, interpretation of data and preparation of final reports. Project included preparation of recommendations for further action at each facility, if warranted, and associated cost estimates.
- **First Republic Bank, Dallas, TX.** Managed a $2 million dollar asbestos abatement project at an occupied high rise office building. Responsibilities included project design, specification preparation, conducting pre-bid conferences, collection and analysis of air samples, daily inspections of abatement contractor's work practices and consultation with owner's representative on all aspects of the abatement project.
- **First Republic Bank, Dallas, TX.** Performed an asbestos-containing material survey of the 50-story, 1.8 million square foot, First Republic Bank complex in Dallas, Texas. Responsibilities consisted of design of the survey strategy, overall management of the five person survey team, on-site inspection and collection of bulk material samples, assessment of asbestos-containing materials, interpretation of data and preparation of a final report.
- **NationsBank, Dallas, TX.** Coordinated the emergency removal of four underground storage tanks, which were uncovered during construction of a highly publicized branch bank facility. Successfully coordinated with state regulatory officials and a tank removal contractor for the removal of the USTs within 48 hours of detection so as to not impede bank construction. Performed project oversight which included preparation of a health and safety plan, collection of appropriate soil samples from the tank excavation, interpretation of analytical data and preparation of the tank closure report for submission to state regulatory officials.
- **Spill Prevention Control and Countermeasures (SPCC) Plans, NYNEX, various locations throughout New England**. Performed facility inspections and prepared SPCC plans in compliance with regulations of the Environmental Protection Agency (EPA) for various NYNEX facilities located throughout New England.

SEMINARS/COURSES

Hazardous Waste Operations (OSHA 40-hour)

Asbestos Inspector Refresher Course

Asbestos Management Planner Refresher Course

Asbestos Contractors/Supervisor Course

Inspecting Buildings for Asbestos-Containing Materials, Environmental Sciences Inc.,

Managing Asbestos in Buildings, Environmental Sciences Inc.,

Microscopical Identification of Asbestos, Microne Research Institute

Sampling & Evaluating Airborne Asbestos Dust (582), NIOSH

Transport and Fate of Contaminants in the Subsurface, U.S. Environmental Protection Agency (U.S. EPA)

REGISTRATIONS/CERTIFICATIONS

Asbestos Management Planner, Certificate No. 9915171368104

Asbestos Inspector, Certificate No. 9915051068104

PROFESSIONAL HISTORY

LFR Inc., Senior Associate Scientist, 1995 to present

Recon Environmental, Operations Manager, Dallas, TX, 1988 to 1995

Recon Environmental, Project Manager, 1986 to 1988

TODD J. AEBIE, CPG

Senior Project Geologist

sanitary and industrial waste management
hazardous waste management
site assessment
groundwater monitoring

Mr. Aebie is a geologist with more than 18 years of experience in conducting and managing a variety of environmental projects in addition to sampling and analysis, geochemistry, geophysics, and glaciology. He has performed numerous work assessments that require a thorough understanding of Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), and other pertinent environmental regulations.

Mr. Aebie's field experience includes a variety of sampling techniques and analysis of all types of environmental media and their related chain-of-custody procedures. Experience with landfill construction, oversight, administration, along with construction quality assurance (CQA) for geosynthetics installation. Mr. Aebie also routinely performs the installation, sampling, and monitoring of groundwater at several municipal solid waste landfills.

EDUCATION

B.S., Geology and Mineralogy, The Ohio State University, 1989

REPRESENTATIVE EXPERIENCE

Solid Waste Engineering

- **Phase 2 Design, Construction, and Oversight, Erie County Sanitary Landfill.** Provided office design and construction specifications for the Phase 2 cell construction at the Erie County Sanitary Landfill. Construction inspection included soil/lime mixing and compaction, RSL clay testing and oversight, geosynthetics installation quality assurance/quality control (QA/QC), leachate recirculation piping installation in Subphase 1B, haul road construction, and monitoring well installation for the expansion.
- **Subphase 1B and Phase 3 Capping, Design and Oversight, Erie County Sanitary Landfill.** Provided office design and construction specifications for the Subphase 1B cell construction and Vertical Expansion Phase 3 Capping at the Erie County Sanitary Landfill. Construction inspection included soil/lime mixing and compaction, RSL clay testing and oversight, geosynthetics installation quality assurance/quality control (QA/QC), leachate and methane gas header piping, haul road construction.
- **Phase 1 and 2 Design and Oversight, Erie County Sanitary Landfill, Erie County Ohio.** Provided office design and construction specifications for the Phase 1 and 2 design and construction oversight at the Erie County Sanitary Landfill. Oversight entailed the testing and oversight of a limed amended soil berm (greather than 250,000 cubic yards), construction of

cell Subphase 1A, including RSL placement and testing, leachate piping, associated leachate storage tank farm construction, drainage channels and haul roads.

- **Soil Excavation and Drying Design and Oversight, Erie County Sanitary Landfill, Erie County Ohio.** Provided office design and construction specifications for soil drying and retention basin construction oversight at the Erie County Sanitary Landfill. Provided construction oversight for the excavation and soil drying of over 100,000 cubic yards (cy) of soil in preparation for additional landfill construction. A retention basin was constructed from the areas where the soil was excavated. Soil was excavated and "tracked" by unit, following Ohio Environmental Protection Agency (EPA) regulations on permeability of soils for use in construction of an RSL.
- **Soils Investigation, Erie County Sanitary Landfill, Erie County Ohio.** Completed extensive investigation of soils at the Erie County Landfill. Soils work was completed for future use considerations of the soils for upcoming construction projects. Soils were sampled, logged, and shipped for analysis to a certified soils lab.
- **Geosynthetics CQA, Confidential Client, Ohio.** Served as the project team leader and the health and safety supervisor role for geosynthetics QA for approximately 90 acres of geosynthetics including geomembrane, geosynthetic clay liner (GCL), geocomposite, and geotextile.
- **Annual Operational Report, Erie County Sanitary Landfill, Erie County, Ohio.** Prepared annual operational reports for municipal solid waste facility including groundwater potentiometric mapping and capacity calculations.
- **Landfill Gas Monitoring Plan, City of Westerville Landfill, Westerville, Ohio.** Prepared a Landfill Gas Monitoring Plan for an inactive municipal solid waste landfill located within city limits, complying with Ohio EPA directives. Coordinated records search and collection of facility information related to past operations and construction-related data. Implemented the gas monitoring system and quarterly monitoring along with the final certification report to the regulatory agencies.

Hazardous Waste

- **Corrective Measures Study, CECOS Landfill, Wilmington, Ohio.** Conducted detailed field investigations as part of a corrective measures study for the closure of a RCRA- Toxic Substances Control Act (TSCA)-regulated hazardous waste landfill. Investigation activities included environmental media sampling in soil, sediment, and water for the detection of heavy metals and volatile organic compounds.
- **RCRA Facility Assessments, TruGreen Chemlawn, Moyno, RMI Sodium, Various Site Locations, United States.** Conducted visual site inspections (VSIs) for numerous RCRA facility assessments (RFA). Assessed current manufacturing operations; equipment and vehicle maintenance and cleaning operations; wastewater treatment systems (sanitary sewers, septic systems, and stormwater runoff associated with storage areas); materials storage (above/underground tanks and pipelines); storage areas, waste products, and disposal methods; and well locations and associated uses.
- **Hazardous Waste Remedial Action Program (HAZWRAP) -Related Site Investigations, Air National Guard, Ohio and Indiana.** Conducted site investigation activities following RCRA guidance procedures for HAZWRAP at Air National Guard installations in Ohio and Indiana covering spill areas, leaking underground storage tanks, and waste disposal areas. Supervised extensive drilling operations, well installations, and environmental media sampling.
- **CERCLA-Related Field Activities, Wright-Patterson Air Force Base, Dayton, Ohio.** Directed field activities for a CERCLA site at Wright-Patterson Air Force Base in Ohio. Field

activities for the $5.5- million remedial investigations/feasibility studies (RI/FS) included: soil gas survey, Level B landfill trenching and drilling, rotosonic drilling, groundwater and leachate sampling, leachate gas sampling, surface water and sediment sampling, aquifer slug testing and inspection, and geotechnical evaluation of an existing landfill cap. Coordinated efforts of up to 20 persons in relation to drilling, sampling, and other various activities on a day-to-day basis.

- **Remedial Investigation/Feasibility Study, Schatz Federal Bearing State Superfund Site, Poughkeepsie, New York.** Assisted in the RI/FS for the Schatz Federal Bearing New York State Superfund site in Poughkeepsie, New York, where polychlorinated biphenyls (PCBs), pesticides, heavy metals, and volatile organic compounds were the major contaminants of concern. Provided oversight of rock NXW wire line coring activities and installation of five bedrock and ten overburden wells.
- **PCB Soil Remediation, Confidential Chemical Plant, West Virginia.** Assisted in remediation of PCB-contaminated soil at an active chemical plant. Responsibilities included the coordination and disposal by railroad of more than 2,000 tons of PCB-contaminated material. Additional duties included coordination of excavation activities, daily reporting, and scheduling of excavation activities.
- **RFI/Corrective Measures Study (CMS) Activities for United States Army Toxic and Hazardous Materials Agency (USATHAMA), U.S. Army Depot, Kentucky.** Conducted Level B trenching through abandoned landfills as part of an RFI/CMS for the base closure of a U.S. Army Depot in Kentucky for USATHAMA. More than 3,000 samples from 400 locations were taken from the landfills and storage areas, analyzed, and entered into the USATHAMA Installation Restoration Data Management System (IRDMIS).
- **RFI/CMS Activities for USATHAMA, U.S. Army Post, Kentucky/Tennessee.** Conducted and supervised up to 20 persons daily during extensive drilling operations, including well installation and sampling, as part of an RFI/CMS for a U.S. Army Post in Kentucky/Tennessee for USATHAMA. More than 70 wells, 150 soil borings, and 5,000 samples were collected during the six-month field investigation.
- **Technical Enforcement, USEPA Region 10, Ohio.** Managed all aspects of the Technical Enforcement contract for USEPA Region 10 (TES X program) at the CECOS Landfill, an inactive hazardous waste landfill. Responsibilities included project management, costing, review of RFI, risk assessments, and CMS along with project meetings and other technical and field oversight support on behalf of the USEPA.

Site Assessment

- **Phase I Environmental Site Assessment, Confidential Munitions Manufacturer, Westerville, Ohio.** Conducted Phase I investigative work under the Ohio Voluntary Action Program (VAP) guidance and directives. Work entailed a detailed search for any records from the facility, an extensive detailed and successful search for historic aerial photos of the facility, and an extensive and successful search for former employees of the facility. On the basis of the information gathered in the Phase I, a Work Plan, a detailed Sampling and Analysis Plan, and a Health and Safety Plan were prepared for subsequent field investigations. The work is being conducted for developers who wish to build homes on the property.
- **Dewatering Project, Southerly Wastewater Treatment Plant, City of Columbus, Ohio.** Provided oversight and monitoring of a 1+ million gallon per day dewatering project, allowing construction of final wastewater clarifiers at a city sewage treatment plant. Supervised the dewatering rate and monitoring of wells within the area to ensure that the dewatering process was not impacting nearby drinking water well

- **Geoprobe Soil Boring Sampling, Confidential Industrial Client, Indiana and Michigan.** Conducted numerous Geoprobe soil boring sampling of soils and groundwater during Phase I and Phase II investigations for an industrial client at facilities located in Indiana and Michigan. The investigations were related to the sale of the facilities.
- **Phase I Environmental Site Assessments, Major Cellular Service Provider, West Virginia.** Coordinated and conducted more than 25 Phase I environmental site assessments for a major cellular phone corporation. The site assessments were conducted over a large, two-state area.
- **Pipeline Decontamination and Removal and Abandonment, Rickenbacker Air National Guard Base, Columbus, Ohio.** Cleaning, abandonment, and removal of over five miles of underground jet fuel pipeline at the Rickenbacker Air National Guard Base. Responsibilities included coordination of activities with the Air National Guard and Civilian Air Traffic Controllers, obtaining permits, and health and safety monitoring of up to 15 workers while cleaning, removing or abandoning the pipeline.
- **Research Assistance, National Science Foundation, Antarctica.** Participated in geologic, glaciologic, and geophysics research at the Reckling Moraine in the Antarctic, which was sponsored by the National Science Foundation.
- **Various projects within Ohio, Michigan, Indiana, Vest Virginia and Virginia.** Health and Safety Officer on numerous RCRA, CERCLA, industrial and governmental field jobs.
- **Geologic Mapping, Multiple Clients.** Constructed geologic maps based on field interpretations, utilizing various conventional field equipment.
- **Groundwater Monitoring, Multiple Sanitary Landfills, Ohio.** Ongoing groundwater detection monitoring, sampling, and reporting for several large sanitary landfills per Ohio EPA Solid Waste Regulations (1994).
- **Project Oversight for PCB Soil Removal and Cleanup, Confidential Client, Indiana.** Provided long-term oversight on behalf of the USEPA at a PCB soil removal and cleanup site in Indiana. Oversight consisted of review of waste manifests, air monitoring results, along with review of analytical data.
- **Phase I Environmental Audit, Confidential Municipal Client, Columbus, Ohio.** Assisted in a Phase I environmental audit conducted at a municipality's trash shredder station and trash burning power plant. Provided the audit results, recommendations and costing for additional work to be performed at the facilities.

REGISTRATIONS

Certified Professional Geologist, APIG, Registration #10786

Troxler Certified Radiation Safety Officer

TRAINING

HAZWOPER Training, 1989

NWGA Short Course: Introduction to Ground Water Geochemistry, 1994

AFFILIATIONS

Geological Society of American

National Ground Water Association

PROFESSIONAL HISTORY

LFR, Senior Project Geologist, October 2007 to present

Brown and Caldwell, Senior Geologist, December 2000 to October 2007

Metcalf & Eddy, Inc., Staff Geologist, March 1989 to December 2000

STEPHANIE M. LYNCH

Staff II Scientist

phase I & II environmental site assessments
regulatory compliance reviews

As a Staff II Scientist in LFR Inc. (LFR) Braintree, Massachusetts office, Ms. Lynch is responsible for conducting Phase I & II environmental site assessments (ESAs) to meet the requirements of state and federal regulations and to provide regulatory compliance assistance to both the public and private sector. This includes conducting compliance audits, preparing environmental permits and reports, and developing environmental health and safety plans.

Ms. Lynch has extensive experience conducting state and local research, monitoring well installations, various sampling activities, as well as assessing the overall extent of impact to the environment. Her responsibilities include scheduling and staffing of various projects and proposal preparation.

EDUCATION

B.S. Geography, Environmental Science Concentration, Bridgewater State College, 1999

REPRESENTATIVE EXPERIENCE

- **Phase I ESAs.** Responsible for conducting site inspections, state and local file reviews, and preparation of Phase I ESA reports.

- **Phase II ESAs.** Provide oversight for drilling activities and installation of monitoring wells. Collection of soil and groundwater samples. Interpretation of analytical results and report production.

PROFESSIONAL HISTORY

LFR Inc., Staff II Scientist, October 2005 to present

Paragon Environmental Services, Inc., Environmental Scientist/Project Manager, 1999 to 2004