

May 12, 2010

BN015317.0021

Robert W. Hare, P.E., CHMM
Director of Environmental
Motors Liquidation Company

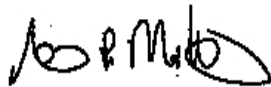
Subject: Phase I Environmental Site Assessment
MLC-1203
Parma Powertrain
5400 Chevrolet Blvd.
Parma, Ohio 44130

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 U.S. 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-1203

**Parma Powertrain
5400 Chevrolet Blvd
Parma, Ohio 44130**

May 12, 2010

**ARCADIS Project Number
BN015317.0021**

Prepared for
Motors Liquidation Company
810 Seventh Avenue, 28th Floor
New York, New York 10019

Prepared by
ARCADIS US.
194 Forbes Road
Braintree, Massachusetts 02184
www.arcadis-us.com

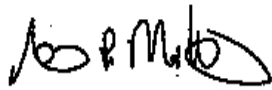
The environmental assessment described herein was conducted by the undersigned, of ARCADIS Inc. (ARCADIS). ARCADIS's investigation consisted solely of the activities described in the Introduction of this report, in accordance with LFR Proposal No. P10-05008-09-718, and is subject to the Terms and Conditions 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:



Stephen P. McCarthy
Principal Scientist

EXECUTIVE SUMMARY

ARCADIS U.S. Inc. (ARCADIS) performed a Phase I Environmental Site Assessment (ESA) of the General Motors (GM) Parma Powertrain Assembly property located at 5400 Chevrolet Blvd., Parma, Ohio 44130 (the Site). The Site consists of approximately 58-acres of land that is improved with an approximately 475,000 square-foot powertrain assembly plant, roadways and railroad spurs related to the main operation of the GMPT Assembly Plant. The site was formerly a portion of the larger GM Parma Complex. According to historical resources reviewed and site interviews, it appears the Site was developed circa 1970. The Site has undergone continued development over the years adding, removing, and updating of the building, machinery and processes as necessary.

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:

- According to the plant environmental engineer, there are asbestos and asbestos containing materials within the plant. It is reported that there is some asbestos insulation on some of the piping runs within the plant. In addition, there is some asbestos floor tile and mastic located on the second floor of the building. Asbestos abatement is only required at the plant in the event that damaged or exposed material is present, or for demolition or renovation activities. ARCADIS did observe piping insulation which was labeled as containing asbestos or possibly containing asbestos related materials. In speaking with facility personnel, when it is unknown whether or not materials may contain asbestos, the facility collects a sample of the material for analysis.
- Due to the age of the Plant, it is likely that lead based paint is present on the structural steel and other painted portions of the building. The lead based paint issue is of a concern primarily due to the large amount of area where the likelihood of the lead based paint is possible.

- Cuyahoga County is located within Radon Zone 2, where average predicted indoor radon concentrations are greater than 2 picoCuries and less than 4 picoCuries per liter (pCi/L). This information was derived from the EPA Radon Map, which is based on indoor radon screening samples compiled by the EPA, geologic and soil analysis, and the foundation types typically found within each zone. Plant personnel indicated that no radon testing has been conducted at the GM Powertrain Plant. A radon test was not performed during the Phase I site reconnaissance. Basements are typically where elevated concentrations of radon are collected because radon is heavier than air. The probability of elevated concentrations of radon in the building at the Site is minimal due to the construction of the facilities and the open ventilation which is present at the Site and the minimal amount of basements (pits/sumps) in the plant.
- The Plant has several pits and sumps which are located in several areas within the plant. The pits and sumps have historically been used to collect and contain spills and drips from the process machinery. During the past operations at the facility, it is unknown how often these were cleaned out and how the materials in them were managed. From the observations during the Phase I Site visit, the integrity of the pits and sumps appears to be good, but the true conditions are not fully known. The pit located at column U-1 does contain abundant oily materials and it does sometimes contain either groundwater or surface water (possibly from leaking roof drain pipes) which infiltrates into the pit.
- The Plant previously had transformers which contained PCB oil. The last of the transformers was removed in 2003-2004. Several of the transformers reportedly did leak. Currently, there is an area of concrete (approximately one square foot in area) which is beneath a transformer that is still stained with PCB oil.
- The Plant does have several Aboveground Storage Tanks (ASTs), unrelated to process machinery, which are dual contained. There are no reported releases from the ASTs. It is reported that this plant has never had any Underground Storage Tanks (USTs).
- This Plant is being parceled off from the adjacent GM Parma Fabrication Facility. The plant has its industrial wastewaters treated at the existing wastewater treatment plant on the Fabrication site. Surface water is discharged to the existing storm water pond with a permitted NPDES outfall. All hazardous wastes generated at the plant are stored and shipped from the adjacent GM Parma Fabrication Facility.

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 5400 Chevrolet Blvd., in Parma, Ohio. This assessment has revealed no evidence of RECs associated with the Site except for the following:

- The former presence of transformers which contained PCB oils are considered a REC since several of the transformers reportedly leaked and there is an area (approximately one square foot) of concrete which is still currently stained with PCB oil.
- The numerous pits and sumps located within the plant's floor which have historically been used to collect and contain oil spills and drips from the process equipment are considered a REC since the condition of the pits and sumps is not fully known.

The following are considered as Business Environmental Concerns (BECs):

- The presence of piping insulation which was labeled as containing asbestos or possibly containing asbestos related materials.
- The possible presence of lead based paint on the structural steel and other painted portions of the building.

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- 1 Site Vicinity Map
- 2 Site Plan

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- B Historical Research Documentation
- C EDR Radius Map Report
- D Photograph Log
- E Cuyahoga County Auditors Information
- F Cuyahoga County Health Department Information
- G RBR Air Permit and NPDES Permit
- H City of Parma Fire Department Incident Report
- I Oil Filled Equipment and Chemical List
- J Debris Manifest and Leak document

1.0 INTRODUCTION

ARCADIS US Inc. (ARCADIS) performed a Phase I Environmental Site Assessment (ESA) on a portion of the property located at 5400 Chevrolet Boulevard, Cuyahoga County, Parma, Ohio. The Site is located on the southern portion of the GM Parma Complex and consists of approximately 58 acres of land. The Site is improved with an approximately 475,000-square foot assembly building and administrative offices, roadways, parking lots, and rail spurs which have been and are currently operated to support the GM Powertrain (GMPT) Assembly Plant. A Site Vicinity Map and Property Boundary Map have been attached to the report as Figure 1 and Figure 2, respectively.

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 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 an 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
- 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 American Society for Testing and Materials (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's 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's 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 (MLC). 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 is located at 5400 Chevrolet Boulevard, Cuyahoga County, Parma, Ohio. The Site is a portion of the larger GM Parma Complex at the same address and is located on the southern portion of the complex. The Site has been identified on the Property Boundary Map included as Figure 2. According to the Cuyahoga County Auditors Website, the complex is owned by General Motors. The portion of the complex that contains the Site is not listed separately at this time.

Refer to Figure 1 for the location of the Site.

2.2 Site and Vicinity General Characteristics

The Site has been parceled out of the existing GM property. The Site is irregular shaped and encompasses the GMPT Assembly Plant, the associated parking lot, a grassed area to the west and the railroad spur that extends to the west of the building. The Site is situated in a mixed commercial/residential area within the City of Parma, Ohio. Commercial and retail establishments are concentrated along the major roads to the south and west of the Site, with residential areas situated to the east. To the north of the Site is the current GM Parma Fabrication Facility.

2.3 Current Use of the Site

The Site buildings are utilized for manufacturing transmissions and transmission metal parts, and the subsequent warehousing and shipping of these parts to General Motors Assembly Facilities. There are employee parking lots, roadways and rail spurs associated with the Site.

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

The Site is occupied by an approximate 475,000-square foot manufacturing and assembly building, and some associated ancillary infrastructure which support the operation of the GMPT Assembly Plant building. The GMPT Assembly building was constructed in 1969-1970 and is primarily comprised of steel with a concrete foundation. The GMPT Assembly building has an asphalt parking lot on the eastern side of the building for employee parking. The parking areas and roadways are a mix of asphalt and concrete, depending on the location of the roadway and anticipated traffic loads.

There are no other occupied buildings located on the Site. The Site is connected to the municipal sewer and water utilities as well as electrical, natural gas, and telephone. The Site is located adjacent to the current GM Parma Fabrication Facility and it shares some resources of the Fabrication Facility, such as, industrial wastewater which is treated at the wastewater treatment plant prior to discharge, and storm water which is directed to the retention pond prior to being discharged through an NPDES permitted outfall, both are located on the adjacent GM Parma Fabrication property. Since the GMPT Assembly Plant was formerly part of the same property as the GM Parma Fabrication Facility, all EPA Identification Numbers, permits, reporting, and plans, reference both the GMPT Assembly Plant and the GM Parma Fabrication Facility.

Refer to Figure 2 for a Site plan depicting the layout of the Site.

2.4.1 Source of Potable Water

Potable drinking and fire protection water are supplied by the City of Cleveland for the Site.

2.4.2 Sewage Disposal System

The Site is serviced by the Northeast Ohio Regional Sewer District (NEORS) municipal sewer system. The site has been connected to the municipal sewer system since construction. Sanitary waste water flows to the NEORS sanitary sewer. The GM Parma Complex wastewater treatment plant located on the adjacent Fabrication facility property, treats the production and process waters generated at the Site. Since the construction of the GMPT Assembly building, industrial and process wastewaters have been processed through the wastewater treatment plant prior to being discharged. The process and production waters are discharged into the NEORS municipal sewer system after pretreatment.

2.4.3 Heating/Cooling Systems

Cooling is provided by electrical air conditioners. The air conditioners for the main building are located on the exterior roof of the building. A majority of the heat for the main building comes from the equipment being used for the manufacturing and assembly of transmissions. Supplemental heating is completed by natural gas boilers.

2.4.4 Solid Waste Disposal

Solid waste generated by Site operations is placed in a trash compactor that is situated on the northern portion of the main GMPT Assembly Plant building. The trash compactor does have a hydraulic compactor. All of the hydraulics for the trash compactor are located above ground. The solid waste is currently handled by Waste Management.

2.4.5 Other Waste Disposal

Special waste disposal includes; PCBs, asbestos, lead paint, hazardous waste, special wastes, recycling of scrap metals, waste oils, solvents, etc. No special wastes have been reported, or known, to be buried at the Site. The hazardous wastes and special wastes generated during site activities have been taken over to the adjacent GM Parma Fabrication Facility building for final packaging, shipping and subsequent disposal.

2.5 Current Uses of Adjoining Properties

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

- The Site is butted to the north by the GM Parma Fabrication Facility and its associated facilities. The wastewater treatment plant and storm water retention basin are located on the southern boundary of the GM Parma Fabrication Facility and along the northern boundary of the GMPT Assembly Plant. A rail spur intersects the facility along the northwest boundary.
- To the east is Chevrolet Boulevard and beyond that are the Forest Ridge Apartment Buildings. To the southeast are commercial properties.
- The property immediately adjacent to the south of the Site is a commercial trucking facility.
- To the west are commercial properties including light distribution and warehousing company. A rail spur comes into the facility from the southwest portion of the facility.

More information on any potential for impact from offsite sources can be found in Section 4.

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 Ms. Diane Palmer, Senior Environmental Engineer, MFD Parma Facility Operations. 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

Ms. Diane Palmer was asked the following questions as part of the assessment:

- Is she aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law? **Answer:** No
- Is she 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:** No

3.3 Specialized Knowledge

Ms. Diane Palmer was asked the following questions as part of the assessment:

- Does she 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.
- Is she 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 she know the past uses of the property? **Answer:** Yes. Manufacturing plant built in 1970s.
- Does she know of specific chemicals that are present or once were present at the property? **Answer:** Yes... See Chemical Master List Attached (Appendix I).
- Does she know of spills or other chemical releases that have taken place at the property? **Answer:** Yes... Coolant spill escaped building and entered into storm sewer. Spill contained at API separator/Belt skimmer approximately 4-5 years ago.
- Does she know of any environmental cleanups that have taken place at the property? **Answer:** Yes—see above.
- Does she know if any fill materials have been imported to the Site? **Answer:** Unknown
- Does she know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? **Answer:** No
- Does she know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? **Answer:** No
- Does she 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:** No.

3.4 Commonly Known or Reasonably Ascertainable Information

Ms. Diane Palmer was asked the following question as part of the assessment:

- Based on her 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:** No

3.5 Valuation Reduction for Environmental Issues

An analysis of a hypothetical prospective purchase price of the Site has not been conducted by ARCADIS.

3.6 Owner, Property Manager, and Occupant Information

According to the Cuyahoga County Auditor's Office Website, the Site is owned by General Motors Corporation. (See Appendix E for Cuyahoga County Auditors Website Information) However, the portion of the GM Parma Complex which constitutes the Site is owned by MLC.

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 and ASTM Standard Historical Sources. It also provides topographic, hydrologic, and soil conditions in the area of the Site.

4.1 Historical Use Information

4.1.1 Previous Environmental Reports

The Client did not provide ARCADIS with any previous environmental reports as they relate to the GMPT Assembly Plant. No environmental reports have been reportedly produced for the Site.

4.1.2 Historic Map Review

ARCADIS contracted EDR to conduct a Sanborn Fire Insurance (Sanborn) map search for the Site. Sanborn® Fire Insurance Maps assist in the identification of historic land use and commonly indicate the existence and location of aboveground and underground storage tanks, structures, improvements and facility operations. Sanborn® Maps were not available from the EDR Historic Map Collection for the GMPT Assembly Plant Facility. (Refer to Appendix B).

4.1.3 Aerial Photograph Review

ARCADIS reviewed historical Aerial Photographs provided by EDR for the years 1938, 1952, 1962, 1977, 1982, 1990, 1991, 2005, and 2006. The Aerial Photographs were all obtained from EDR, but in two separate reports, one dated August 12, 2009 and one dated April 12, 2010. The following summarizes features observed on the aerial photographs. (Refer to Appendix B).

Year 1938: EDR Aerial Photograph

In the 1938 Aerial Photograph, the site is undeveloped, mainly farmland with farm houses and related buildings. The surrounding properties are also mainly farmland with a few wooded areas. Evidence of roadways being constructed is shown. A rail line is west of the property.

Year 1952: EDR Aerial Photograph

The 1952 Aerial Photograph shows the GM Parma Fabrication Facility constructed with some additional construction taking place south of the main building. The majority of the GM Powertrain property is still vacant, but there is an indication of site grading/disturbance which is happening on the northern portion of the Site. The surrounding properties to the east, south, and west are still primarily undeveloped. A rail line appears to have been expanded with rail spurs coming into Fabrication Site.

Year 1962: EDR Aerial Photograph

The 1962 Aerial Photograph depicts the abutting GM Parma Fabrication Facility plant as constructed along with employee parking lots. There has been a large ditch constructed through the GMPT Assembly Site, where the future GMPT Assembly Building will be located. Extensive development has occurred to the east of the Site comprising mainly residential housing. The existing trucking facility has been constructed immediately adjacent to the Site to the south. Additional development has occurred to the west of the railroad tracks, which is to the west of the Site.

Year 1977: EDR Aerial Photograph

The 1977 Aerial Photograph shows that the GMPT Assembly Building has been constructed along with an employee parking lot. The GMPT Assembly Building has two rail spurs entering the Site, one along the northern boundary and one along the southern boundary. West of the building, the site appears to have been reworked from previous aerial photographs. On the western portion of the Site, there is evidence of some standing water. On the GM Parma Fabrication property, a storm water retention pond is visible, along with other associated structures. Development of the surrounding properties has occurred in all directions.

Year 1982: EDR Aerial Photograph

The 1982 Aerial Photograph is very blurry and hard to ascertain structures and objects clearly. Additional development has occurred in all directions from the Site.

Year 1990: EDR Aerial Photograph

The 1990 Aerial Photograph shows the Site relatively unchanged from the 1977 Aerial Photograph. The Site property to the west appears to be becoming overgrown with trees and vegetation. More development appears to have occurred on the adjacent off-site properties.

Year 1991: ODOT Aerial Photograph

The 1991 Aerial Photograph shows the Site relatively unchanged from the 1990 Aerial Photograph. The Site property to the west appears to be becoming overgrown with trees and vegetation. Surrounding properties to the north, east, and west remain mostly unchanged from the 1990 Aerial Photograph.

Year 2005: EDR Aerial Photograph

The 2005 Aerial Photograph depicts the Site as similar to the 1991 Aerial Photograph. A portion of the Site property to the west has been sold and new commercial development has occurred. The Site appears to be very similar to how it appeared during the Site visit. More development has occurred on the adjacent property to the south of the Site.

Year 2006: EDR Aerial Photograph

The 2006 Aerial Photograph depicts the Site as similar to the 2005 Aerial Photograph. The Site appears to be very similar to as it appeared during the Site visit.

No RECs or other environmental issues were noted in association with the review of historical Aerial Photographs provided by EDR of the GMPT Assembly Plant.

Copies of all of the above-referenced Aerial Photographs are included in Appendix B.

4.1.4 City Directories

ARCADIS contracted EDR to conduct a city directory search for the Site and surrounding area. EDR reviewed provided city directories for the Site for the years 1975 through 2009 in approximately five-year intervals, as available. The City Directory information is summarized in the table below, with the GM Parma Complex having the address of 5400 Chevrolet Blvd, Parma, Ohio:

Address	Listing	Years Listed
5400 Chevrolet Blvd.	AED SCPC PARMA	2002, 1999
	Freight Systems	2002
	Parma, Parma CSD, Parma Heights Area, TransNational	2002
	Plant	2002, 1999
	Field Trailer	1991
	Gladieux Food Service, Inc.	1986

The EDR City Directory Abstract also presents listings for other streets nearby Chevrolet Boulevard: Aaron Drive, Abraham Avenue, and Deborah Drive. The listings include primarily residential properties and commercial listings. No obvious environmentally significant listings were found in the immediate area of the Site based on the listings in the City Directory search.

The EDR City Directory Abstract is included in Appendix B.

4.1.5 Historical Topographic Maps

Historic topographic maps can assist in the identification of subject property features, therefore, historic Topographic Maps were obtained from EDR. ARCADIS reviewed historical Topographic Maps provided by EDR for the years 1904, 1953, 1963, 1970, 1985, and 1994. The historic Topographic Maps were all obtained from EDR, but in two separate reports, one dated August 12, 2009 and one dated April 12, 2010. The following paragraphs summarize the features observed on the Topographic Maps as they relate to the GMPT Assembly Plant:

Year 1904: Berea Quadrangle:

No buildings are depicted on the 1904 historic Topographic Map for the Site property. The historic topographic map indicates that the Site is undeveloped, potentially farmland. Roads and railroad tracks are shown in the area. There are a few houses shown along the present day Chevrolet Blvd.

Year 1904: Cleveland Vicinity Quadrangle:

No buildings are depicted on the 1904 historic Topographic Map for the Site property. The historic topographic map indicates that the Site is undeveloped, potentially farmland. Roads and railroad tracks are shown in the area. There are a few houses shown along the present day Chevrolet Blvd.

Year 1953: Lakewood Quadrangle

The 1953 historic Topographic Map depicts the Site vacant with a few wooded areas. The GM Parma Fabrication Facility is constructed on the property adjacent to the north of the Site. There is additional development of railroad tracks to the west, with spurs going into the GM Parma Fabrication Facility. Additional development has occurred on the nearby properties including residential and commercial development along with roadways.

Year 1963: Lakewood Quadrangle

The 1963 historic Topographic Map shows that expansion has occurred on the GM Parma Fabrication Facility and additional structures have been added at the facility. No change is noted on the GMPT Assembly Site. Additional development has occurred on the nearby properties including residential and commercial development along with roadways and infrastructure.

Year 1970: Lakewood Quadrangle

The 1970 Topographic Map (photo-revised from the 1963 Topographic Map) depicts the Site as having the main GMPT Assembly Plant as being constructed. The storm water retention basin is noted on the adjacent GM Parma Fabrication Facility along with additional expansion to the building and construction of additional facility related structures. Additional development has occurred on the surrounding properties.

Year 1979: Lakewood Quadrangle

The 1979 Topographic Map (photo-revised from the 1963 Topographic Map) depicts the site with the addition of the existing rail spurs entering the northern and southern boundaries of the Site along with the addition of roadways around the building. Portions of the site are still noted as being wooded. On the adjacent GM Parma Fabrication Facility, additional expansion to the building and construction of additional facility related structures are noted. Additional development has occurred on the surrounding properties.

Year 1985: Lakewood Quadrangle

The 1985 Topographic Map (photo-revised from the 1963 Topographic Map) shows little to no change on the GMPT Assembly Plant property. On the adjacent GM Parma Fabrication Facility, additional expansion to the main building and construction of additional facility related structures are noted. Additional development has occurred on the surrounding properties.

Year 1994: Lakewood Quadrangle

The 1994 Topographic Map shows little change on the GMPT Assembly Plant property. The addition of roadways and employee parking area has taken place. On the adjacent GM Parma Fabrication Facility, additional expansion to the building and construction of additional facility related structures are noted. Additional development has occurred on the surrounding properties, primarily to the south and to the west of the Site.

No RECs or other environmental issues were noted in association with the review of historical Topographic Maps provided by EDR.

The EDR Topographic Map report is included in Appendix B.

4.1.6 Building/Planning Departments

ARCADIS contacted the City of Parma Website, Building and Zoning Department, to obtain information regarding any information available for the Facility. To date, there has not been a response from the City of Parma on the request submitted by ARCADIS for information. If additional information is received, an addendum will be issued summarizing the findings.

4.1.7 Additional Record Sources

ARCADIS contacted the Cuyahoga County Health Department for any records on file for the Site. To date, there has not been a response from the Cuyahoga County Health Department on the request submitted by ARCADIS for information. If additional information is received, an addendum will be issued summarizing the findings.

The Ohio EPA Website was accessed to determine any available files, permits, etc., which may be available for the Facility. The Permit by Rule (PBR) for Air sources information was obtained for the entire GM Parma Complex. A copy of the Facilities National Pollutant Discharge Elimination System (NPDES) permit for the abutting GM property was obtained. A copy of both of the permits is included in Appendix G.

4.1.8 Summary of Historical Information

Based on the historical sources reviewed, it appears the Site was undeveloped and likely, in-use as farmland, from approximately 1904 until construction of the current Powertrain Assembly Plant Building circa 1970. The surrounding properties have undergone development prior to and since the construction at the Site. The adjoining properties have been used for a mixture of farmland, residential, retail, and commercial purposes in the past and presently.

4.2 Historical Use Information on Adjoining Properties

A review of select City Directories covering the period 1967-2002 and historic Aerial Photographs and historic Topographic Maps covering the period 1904-2006 identified that the adjoining properties have been used for a mixture of farmland, residential, retail, and commercial purposes. The addition of roadways and residential and commercial properties has developed prior to and since the completion of the GMPT Assembly Plant. Growth in retail and commercial properties has mainly occurred to the west and north of the Site. The GM Parma Fabrication Facility was constructed prior to the development of the GMPT Assembly Plant Building. The area to the east is a mix of residential and commercial properties while the area to the north and west is primarily industrial and commercial.

4.3 Physical Setting

4.3.1 Geology

4.3.1.1 Surface Features

According to the EDR topographic information (Lakewood USGS Quadrangle Map), the Site elevation is approximately 800 feet above mean sea level (msl). Topographically, the Site is relatively flat, due to manmade activities for the construction of the plant. The overall topography of the area is relatively flat but slopes upward to the south-southeast. A permitted storm water retention pond is located on the adjacent property to the north, where a majority of the storm water from the Site is directed towards. There is a constructed surficial drainage channel which runs south to north along the eastern edge of the Site.

4.3.1.2 Subsurface Features

Information regarding the regional and Site-specific geology in the GMPT Assembly Plant Area vicinity was obtained from the Geoscheck® Addendum to the EDR Radius Map Report (April 12, 2010).

The GMPT Assembly Plant Building is located at approximately 800 feet msl. The topography across the majority of the Site Area is relatively flat due to extensive grading activities conducted during development of the manufacturing facility. The general area has a gradual gradient south-southeast towards the north. EDR regional data indicates that the surface soil texture in the area is Urban Land soils and Ellsworth Silt loam. EDR describes the shallow soil types as loam with silt and clay. Deeper soil types are describes as clay loam, all of the soils having slow infiltration rates and being relatively impermeable.

The soil drainage class in the region is described as poorly drained with a low hydraulic conductivity; however, several of the soil types in the area do meet the requirements for hydric soil. Underlying the surface, shallow, and deeper soils are the bedrock deposits classified as Paleozoic Era, Mississippian System and Mississippian Series. Depth to bedrock in the area of the Plant is reported to be approximately 10 feet below grade based on the Site visit and water well logs in the general area.

4.3.2 Hydrology

4.3.2.1 Surface Water

A storm water retention pond is located on the adjacent GM Parma Fabrication Facility property, located to the northeast of the Site. Surface water flow in the area is largely controlled by manmade structures along roadways, in paved areas, and from roof drains on the building. The Site has been graded and surface water channels constructed to facilitate the flow of storm water to the retention pond prior to being released from the GM Parma Complex, via the permitted outfall. The regional flow is to the north-northeast, towards Big Creek and its tributaries, which then flows towards Lake Erie.

A wetland survey or delineation was not conducted for this Phase I ESA. As part of the EDR Database search, EDR conducted a records search of the U.S. Fish and Wildlife Service 2002 National Wetlands Inventory (NWI) for the GMPT Assembly Plant Site. According to the EDR Report, the nearest reported wetlands are located southwest of the property and east of the property within and along the Big Creek. Facility personnel indicated that wetlands are not known to exist on the GMPT Assembly Plant property. During the site visit, several areas on the vacant Plant property west of the building were observed containing wetland type vegetation and some standing surface water.

Federal Emergency Management Agency (FEMA) Flood Plain Panel Number 3901230002B was available for the Facility. The GMPT Assembly Plant is located in Flood Zone C—Area of minimal flooding. The nearest water bodies are the manmade storm water retention basin located on the adjacent property to the north-northwest of the Site and an unidentified tributary approximately one-quarter mile north of the Facility. Several manmade drainage ditches can also be found on the Site.

The Site does receive some storm water flow from offsite properties into a drainage ditch located along the western property boundary. Other storm water ditches convey water from the Site to the adjacent storm water retention pond located on the adjacent property to the north.

4.3.2.2 Groundwater

Information regarding the regional hydrogeology of the GMPT Assembly Plant vicinity was obtained from the Geotcheck® Physical Setting Source Addendum to the EDR Radius Map Report (April 12, 2010) and data obtained from the Ohio Department of Natural Resources (ODNR) Website.

The EDR GeoCheck® Physical Setting Source Addendum provided information on hydrogeologic information available within one mile of the Site. Federal and state databases were searched for the identification of potential wells in the site area. No Federal United States Geologic Survey (U.S.G.S.) was identified within 1 mile of the Site. No public water supply wells were identified within 1-mile of the facility. A total of seven (7) wells were identified on the State database within 1 mile of the Plant. State wells are potable water supply wells that may provide drinking water to individual residences, commercial or businesses.

The EDR AQUIFLOW Information System does not indicate the regional groundwater direction in the vicinity of the Site. However, the inferred shallow groundwater flow direction is to the north-northwest towards Lake Erie. Based on area topography and the vicinity of the Site to Lake Erie and Big Creek, the inferred direction of a sustained groundwater flow is towards the north-northwest west following topography and towards Lake Erie.

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 EDR 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 – 1/4 mile	1/4 - 1/2 mile	1/2 - 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	No	0	0	0	0	-
RCRA CORRACTS	1 mile	No	0	0	0	0	2
RCRA TSDF	0.50 mile	No	0	0	0	0	-
RCRA Non-Generators	0.250 mile	No	0	0	1	-	-
RCRA-LQG	0.250 mile	No	0	0	0	-	-
RCRA-SQG	0.250 mile	YES	0	0	1	-	-
RCRA-CESQG	0.250 mile	No	0	0	0	-	-
ERNS Site	Site	YES	-	-	-	-	-
US IC/EC Registries	0.50 mile	No	0	0	0	0	-
SHWS	NA	-	-	-	-	-	-
DERR	1.0 mile	No	0	0	0	3	0
State & Tribal SWF/LF	0.50 mile	No	0	0	0	0	-
State & Tribal LUST	0.50 mile	YES	0	0	1	3	
State & Tribal USTs	0.250 mile	YES	0	0	-	-	-
State ASTs	NA	NA	-	-	0-	-	-
State IC/ EC Registry	0.50 mile	No	0	0	0	1	-
State Brownfield	0.50 mile	No	0	0	0	0	-
Indian VCP/State VCP	0.50 mile	No	0	0	0	0	-
TRIS	Site	YES	-	-	-	-	-
PADS	Site	YES	-	-	-	-	-
SPILLS	Site	YES	-	-	-	-	-
FINDS	Site	YES	-	-	-	-	-
Drycleaners	0.25 mile	No	0	0	0	-	-
USD	0.50 mile	No	0	0	0	-	-

4.4.1 Site

The GM Parma Complex was identified on the Resource Conservation and Recovery Act Small Quantity Generator (RCRA-SQG), Emergency Response Notification System (ERNS), State Leaking Underground Storage Tank (LUST), State Underground Storage Tank (UST), PCB Activity Database System (PADS), Emergency Response (SPILLS), and the Facility Index System/Facility Registry System (FINDS), Toxic chemical Release Inventory System (TRIS), and Title V permits Listing (AIRS) databases searched by EDR and provided in the database report.

Since the GMPT Assembly Plant Building was on the same property as the GM Parma Fabrication Facility, all EPA Identification Numbers, reporting, permits and plans, reference both the GMPT Assembly Plant and the GM Parma Fabrication Facility as one inclusive complex. The EDR database search identified the entire GM Complex when reporting the findings summary. The GMPT Assembly Plant may or may not be the entity listed on the Database Findings.

4.4.2 Federal Environmental Record Sources

EDR did not identify any additional 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.

4.4.3 State and Tribal Environmental Record Sources

EDR did identify facilities within the applicable radii for the State and Tribal databases searched. The database and facility are listed below:

RCRA-SQG

EDR identified one RCRA-SQG facility within 0.125 and 0.25 miles of the Site.

Jones Transfer Co at 5630 Chevrolet Boulevard, is located approximately 1,000 feet to the south-southeast of the Site. According to the EDR Report the facility is a SQG of D001, Ignitable hazardous wastes. There are not current violations listed.

LUST

EDR identified four LUST facilities within 0.50-miles of the Site.

ABF Freight Systems, Inc. is located at 5630 Chevrolet Boulevard is formerly located approximately 1,000 feet to the south-southeast and is potentially hydraulically upgradient of the Site. According to the EDR report, a release was reported at this facility from a regulated tank. The database listing is currently classified as “No Further Action.” 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 appear to represent a low environmental concern to the Site at this time.

City of Parma Service Center at 5680 Chevrolet Boulevard is located approximately 1,565 feet to the south and is potentially hydraulically upgradient of the Site. According to the EDR report, a release was reported and the regulated tank was closed. The database listing is currently classified as “No Further Action.” Based on the regulatory status, the identification of a responsible party for the release and distance and direction relative to the inferred groundwater flow, this facility does not appear to represent an environmental concern to the Site at this time.

7-Eleven Food Store #56668 at 11690 Snow Road is located approximately 2,400 feet to the south and is potentially hydraulically upgradient of the Site. According to the EDR report, a release was reported and confirmed from a regulated tank. The database listing is currently classified as “No Further Action.” Based on the regulatory status, the identification of a responsible party for the release and distance and direction relative to the inferred groundwater flow, the issuance of a No further Action letter, this facility does not appear to represent an environmental concern to the Site at this time.

U-Haul Company at 5809 Stumph Road is located approximately 2,500 feet to the south and is potentially hydraulically upgradient of the Site. According to the EDR report, a release was reported and confirmed from a regulated tank. The database listing is currently classified as “No Further Action.” Based on the regulatory status, the identification of a responsible party for the release and distance and direction relative to the inferred groundwater flow, the issuance of a No Further Action letter, this facility does not appear to represent an environmental concern to the Site at this time.

CORRACTS

UCAR Carbon Co. Inc., (Parma Tech) at 12900 Snow Road is located approximately 4,300 feet to the west-southwest and is potentially hydraulically upgradient or crossgradient of the Site. According to the EDR report, the facility is also listed on the RCRA-SQG, PADS, FINDS, LUST, Manifests, and SPILLS databases. The facility has had violations and releases noted in the past, but currently appears to be in compliance. Based on the regulatory status, the identification of a responsible party for any release and direction relative to the inferred groundwater flow, the issuance of a No further Action letter for the LUST incident, this facility does appear to represent a low environmental concern to the Site at this time.

DERR

EDR identified three DERR Sites within 0.50-1.0-miles of the Site:

Wellman Friction Products, Former Brooks Park is located at 5372 West 130th Street, in Brook Park is approximately 3,850 feet to the west and is hydraulically crossgradient of the Site. According to the EDR report, the facility may be undergoing closure within the Voluntary Action Program. 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.

BrookPark Plating Company is located at 12208 Sprecher Avenue, Cleveland, Ohio, and is approximately 4,650 feet to the north-northwest and is potentially hydraulically crossgradient or downgradient of the Site. According to the EDR report, the facility may be undergoing closure within the Voluntary Action Program. 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.

Kirkwood Industries, Inc. at 4855 West 130th Street is located approximately 4,800 feet to the north-northwest and is potentially hydraulically crossgradient of the Site. According to the EDR report, the facility is also listed on the RCRA-SQG, CERC-NFRAP, CORRACTS, FINDS, and RAATS databases. The facility had a determination made that an RFI is not needed (5/01/2009). The facility has had written informal violations, but currently appears to be in compliance. Based on the regulatory status, the identification of a responsible party for any 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 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. The majority of the 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.

4.5 Additional Environmental Records Sources

4.5.1 Fire Department

ARCADIS contacted the City of Parma Fire Department regarding any records on file for the Site pertaining to ASTs, USTs or the storage or release of OHM. The City of Parma Fire Department reported that they responded to a spill of gasoline from a tow motor vehicle stuck in the mud on December 2, 2008. The spill was minor in nature and cleaned up by GM personnel. It was unknown by the City of Parma Fire Department personnel if the spill occurred on the GMPT Assembly Plant property or on the GM Parma Fabrication Facility Property. A copy of the City of Parma Fire Department Incident report can be found in Appendix H.

4.5.2 Health Department

ARCADIS contacted the Cuyahoga County Health Department concerning any violations or issues related to the facility. To date, no response has been received from the Health Department. If any information is received in the future, an addendum will be issued and any Health Department information will be found in Appendix F.

4.5.3 State of Ohio Fire Marshalls Office (BUSTR)

ARCADIS contacted the State of Ohio State Fire Marshall's Office Website, Bureau of Underground Storage Tanks (BUSTR) pertaining to any UST's and ASTs at the Facility. The BUSTR records confirmed that there were 6 regulated USTs listed for the Site address and that the USTs have been removed. According to the Site Environmental Engineer, the USTs were on the GM Parma Fabrication Facility property and not on the GMPT Assembly Plant site.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

Mr. Todd Aebie of ARCADIS visited the Site on April 16, 2010. Ms. Diane Palmer, Senior Environmental Engineer for GM, was present during the site visit. Ms. Palmer escorted ARCADIS through the GMPT Assembly Plant and provided background information regarding the facility. The weather at the time of Site visit investigation was cool and cloudy, with on and off drizzle, and a temperature of approximately 50 degrees Fahrenheit. ARCADIS inspected accessible areas of the Site building and the exterior grounds. Due to the extensive size of the facility and the ongoing operations, it is likely not all of the rooms within the GMPT Assembly Plant building were fully inspected.

Todd Aebie, ARCADIS, and Ms. Diane Palmer, GM, did a wide-ranging inspection of the Site, but the possibility exists that areas may have been unintentionally overlooked.

In addition, the roof's of the GMPT Assembly Plant building were not inspected, although, an inquiry into their composition and any known environmental issues was questioned and no known environmental issues were noted regarding the roofs. The pits and sumps within the building were not fully inspected so the integrity of the pits and sumps is not fully known at this time.

Deviations from the ASTM Standard 1527-00 included addition of several client-specified, non-ASTM considerations

- Preliminary review of potential for radon gas presence and accumulation;
- Preliminary Asbestos-Containing Material (ACM) evaluation;
- Preliminary Lead-Based Paint presence evaluation; and
- Preliminary Wetlands Identification.

5.2 Current Site Use

The site is currently used for the manufacture and assembly of transmission parts and transmissions for General Motors Assembly Facilities. The Facility uses both truck and rail transportation for the receiving and shipping of raw materials and finished products. The site has large asphalt parking lots for employees, storage areas materials, outside storage for storage racks, etc.

5.3 Site Observations

5.3.1 Underground Storage Tanks (USTs)

ARCADIS did not observe any fill pipes or the presence of any USTs at the Site. According to Ms. Palmer, GM, the GMPT Assembly Plant never had any USTs on the Site.

5.3.2 Aboveground Storage Tanks (ASTs)

ARCADIS did observe evidence of ASTs at the Site. A 500-gallon steel tank within a concrete containment was observed on the outside of the north side of the plant. The tank contained diesel fuel for the emergency backup power generator. In addition, within the cage surrounding the emergency generator is a 274-gallon dual contained steel tank containing diesel fuel.

There is a 300-gallon double walled steel kerosene tank located outside of the western portion of the GMPT Assembly Plant building. The tank is used for the fueling of the forklifts and some tow motors at the plant.

In addition to the above referenced tanks, there are numerous tanks related to individual pieces of equipment, process, etc. The facility has an active SPCC Plan with a table indicating Bulk Storage Containers and Oil-Filled Equipment Table with a capacity $\geq$ 55 gallons. The Table listing the oil filled Equipment and Storage Containers can be found in Appendix I.

5.3.3 Hazardous Substance and Petroleum Use

ARCADIS did observe hazardous substances or petroleum products being used and stored at the Site. The Facility is listed as a small quantity generator of waste. The facility uses thousands of gallons of hydraulic and lubricating oils. The numerous pieces of manufacturing equipment hold hydraulic oils in tanks associated with the equipment. In addition to the manufacturing equipment tanks, numerous storage totes, mobile tanks, drums, etc., are located throughout the building.

Beneath the manufacturing equipment at the Site, oils, coolants, etc. have been and are currently leaking. Some of the fluids are collected in drip pans or within containment pits and sumps, and trenches located adjacent to or beneath the equipment. Oils of various kinds are found within the pits, sumps, and trenches.

GM Facility has a Stormwater Pollution Prevention Plans (SWPPP), and Spill Prevention Control and Countermeasures Plan (SPCC), which were reviewed by ARCADIS at the time of the Site inspection. The tables listing all of the labels process equipment and the quantities of petroleum products contained in each is listed in Appendix I.

5.3.4 Unlabeled Drums/Containers

ARCADIS did not observe unlabeled drums or any other containers at the Site. All of the drums, containers which were inspected at the site appeared to be labeled. All containers found in flammable cabinets, storage areas, totes, drums, etc., were all found to be labeled with the materials it contained. The majority of the drums, totes, and containers, were observed in a specific area designated for materials storage. The drums, totes, and containers, located in this area did not have any secondary containment surrounding the vessels. The building itself is effectively secondary containment for spills which may happen in the material storage area.

5.3.5 Stained Soil or Pavement

ARCADIS did observe stained soil or pavement at the Site. De minimis amounts of staining were noted in portions of the railroad track ballast, semi-truck loading and unloading zones, and employee parking lots. One area of staining was observed along the eastern portion of the Site. Ms Palmer, GM, pointed out an area where no grass grows due to what appears to be a “potential spring” which flows periodically throughout the year. It was not flowing at the time of the Site inspection.

The “spring” does appear to be heavily laden with iron. The “spring” appears to be natural even though it appears that attempts have been made to stop the flow by backfilling the area.

5.3.6 Stains or Corrosion

Stains:

The main floor of the GMPT Assembly Plant building did have staining from the years of operation of the plant. It has been observed in the past and currently, that any leaking of oils onto the concrete has not appeared to penetrate too deeply into the concrete. This is based on previous observations of other concrete which has been removed on the main floor and considered representative of the existing concrete.

There are several sumps and pits located beneath presses, furnaces, and other manufacturing equipment within the GMPT Assembly Plant building. The fluids in the pits and sumps are managed and regularly pumped out and disposed or recycled. It is unknown whether the concrete beneath the pits and sumps is in good shape since it was not visible. Therefore, it is unknown whether any of the fluids in the sumps and pits have penetrated any potential cracks in the sumps, if present. The pit located at column U-1 does contain oily materials and it periodically contains either groundwater or surface water (possibly from leaking roof drain pipes) which infiltrates into the pit. The water level in the pit does fluctuate indicating the potential that there may be some “open” pathway within the pit.

The maintenance area within the GMPT Assembly Plant did have a small paint booth. The paint booth was removed in 2005 and was only used for painting repaired parts. There were no reported issues with the paint booth.

A majority of the main GMPT Assembly Plant floor is comprised of concrete, wooden blocks or a laminate. The main floor is kept clean of debris and spills. There is some staining on the floor related to the operation and maintenance of the plant over the past 40 years.

The Assembly Plant does not have floor drains throughout the building. There are some floor drains near specific equipment, or areas which are tied into the industrial wastewater collection system.

The Site has a hydraulic trash compactor outside of the northern side of the building. No issues were noted.

The GMPT Assembly Plant does have several parts, tools and supply storage cribs. Several of the storage cribs contain oil, coolants, lubricants, spray cans, janitorial supplies, etc. for future use. With the main storage crib, the used spray can storage container can be found along with storage of other flammable, solvents, inks, greases, etc.

Several areas of note are located within the GMPT Assembly Plant.

- There is a former lead acid battery charging area where batteries were formerly charged. There are powdered concrete and battery salts in this area.
- There is a wash booth located at the rear of the GMPT Assembly Plant Building. The wash waters are processed through the adjacent facility wastewater treatment plant.
- The electric transformers, which previously contained PCBs, have reportedly had leaks. The PCB transformers have been replaced. The concrete beneath one transformer #2, was still stained with potentially PCB oil
- The GMPT Assembly Plant does have an area where metals are segregated and loaded into hoppers, roll-offs, or a rail car. Oil stains and scrap metals were observed on the floor.
- The GMPT Assembly Plant does have an industrial sump where industrial waste waters are collected and pumped to the wastewater treatment plant on the adjacent GM Parma Fabrication Facility.
- The GMPT Assembly Plant does have an active cooling tower located near the southern portion of the building. The cooling tower services the onsite furnaces.

5.3.7 Stressed Vegetation

ARCADIS did not observe evidence of stressed vegetation at the Site which could be potentially related to hazardous materials at the Facility. Due to the season, vegetation was “greening up” and coming into bloom. Even though the vegetation was “greening up” due to natural conditions, no additional issues were noted to indicate that vegetation was being impacted due to Site activities. The only area of staining or stressed vegetation was observed in the area of the potential natural spring which was described in Section 5.3.5.

5.3.8 Polychlorinated Biphenyls (PCBs)

ARCADIS did not observe electrical or hydraulic equipment at the Site suspected to contain PCBs. According to Ms. Palmer, GM, none of the current electrical equipment in the building has been identified as containing PCBs. Several of the original electric transformers within the GMPT Assembly Plant Building reportedly contained PCBs. The original electrical transformers reportedly had oil leaks and were replaced in the early 2000's. The manner of disposal of the former equipment is unknown. Beneath the current electrical transformer #2, an area of concrete, approximately one square foot, has concrete which is stained the potential PCB oils.

5.3.9 Solid Waste/Dumping

ARCADIS did not observe evidence of dumping of solid waste at the Site. The GMPT Assembly Plant has offsite solid waste disposal. It is unknown if areas on the GMPT Assembly Plant property have had fill placed over the past years. There is an area at the rear of the Site (southwest corner) which is elevated which may be the result of manmade activities. Some of the rack storage areas and equipment lay down areas that have had gravel brought in as fill. ARCADIS did not observe evidence of staining or a release or oil or hazardous materials related to the presence of fill materials at the Site.

5.3.10 Site Drainage

Information regarding drainage was obtained from observations made by ARCADIS during the reconnaissance, facility personnel interviews, and facility records. Drainage at the GMPT Assembly Plant is segregated into storm water and municipal sewer system drainage. Each is explained in more detail below.

5.3.10.1 Storm Water Discharges

The GMPT Assembly Plant has a local storm sewer system on-site and an storm water retention basin on the adjacent GM Parma Fabrication Facility. The storm water runoff collects from roof drains, storage areas, parking lots and general outdoor areas on the property and is directed to the adjacent retention basin prior to being discharged offsite through Outfall 001. The outfall is located on the northern portion of the GM Parma Fabrication Facility property, and discharges to an unnamed tributary to the Big Creek. The individual National Pollutant Discharge Elimination System (NPDES) permit #3IS00043*DD covers the storm water activities at the GM Parma Fabrication Facility and the GMPT Assembly Plant. The GM Facility must sample storm water monthly and analyze for pH, TDS, oil and grease, flow, copper and zinc. The facility retains TestAmerica to perform analytical testing. The facility also maintains a Storm Water Pollution Prevention Plan (SWPPP). According to facility personnel and some of the records reviewed, the facility was and has been in compliance with its NPDES storm water permit conditions. Onsite personnel indicated that annual SWPPP Training is conducted.

5.3.11 Pits, Ponds, Lagoons and Pools of Liquid

ARCADIS did not observe pits, ponds, lagoons or pools of liquid on the Site other than those previously mentioned and described.

5.3.12 Wastewater

ARCADIS did observe processes at the Site that generate wastewater. The GMPT Assembly Plant does generate industrial wastewater which has been pre-treated at the adjacent GM Parma Fabrication Facility prior to being discharged. The purpose of the wastewater treatment facility was to pre-treat the industrial wastewater to meet the standards required by the NEOSRD for discharge.

Sanitary wastewater generated at the Site is discharged directly into the sanitary sewer at the Site which flows to the NEOSRD.

5.3.13 Wells

ARCADIS did not observe monitoring wells, dry wells, irrigation wells, injection wells, or abandoned wells at the Site. Ms Palmer, GM, did indicate that there may have been a natural gas well on the property. Review of the ODNR oil and gas logs indicates that there was a gas well on the adjacent GM Parma Fabrication Facility property which was plugged and abandoned in 1958. An additional natural gas well was drilled on the “Chevrolet Parma Land” Tuckerman Tact, and the well ended up being a “dry hole”, was never completed, and was abandoned. The exact location of each of the wells is unknown.

5.3.14 Septic Systems

ARCADIS did not observe evidence of septic systems or cesspools at the Site.

5.3.15 Odors

ARCADIS did not note readily noticeable strong, pungent, or noxious odors at the time of the Site visit. Oily odors were, however, present within the Assembly Plant Building. The odors that ARCADIS perceived were consistent with the anticipated odors for the GMPT Assembly Plant operations.

5.3.16 Other Observations

No other significant Site observations were noted at the time of the site visit.

5.4 Facility Building Summary

Below is a summary of the observations made during the Phase I Site visit and any known or possible environmental issues as they relate to any of the ancillary buildings which are currently on the Site.

5.4.1 Security Buildings

The facility has a security building to control personnel access to the Site. The building is small and has not contained hazardous materials. The function of the security building has been replaced with an ID badge swipe entry and turnstile system.

No other significant observations were noted during the site inspection.

6.0 INTERVIEWS

6.1 Interview with Owner/Key Site Manager

ARCADIS interviewed Ms. Diane Palmer, Senior Environmental Engineer for GMPT Assembly Plant and for the GM Parma Fabrication Facility as part of the Phase I. As previously stated, Ms. Palmer accompanied ARCADIS during the Site visit and provided knowledge regarding the operations and history of the GMPT Assembly Plant.

6.2 Site Occupants

The Site is occupied by the GMPT Assembly Plant along with the associated facilities. An outside security force is hired to operate security at the Site, and the United Autoworkers are 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 ESA.

7.1 Known or Suspect Environmental Concerns

ARCADIS has identified several known or suspect areas with environmental concerns.

- Cuyahoga County is located within Radon Zone 2, where average predicted indoor radon concentrations are greater than 2 picoCuries and less than 4 picoCuries per liter (pCi/L). This information was derived from the EPA Radon Map, which is based on indoor radon screening samples compiled by the EPA, geologic and soil analysis, and the foundation types typically found within each zone. Plant personnel indicated that no radon testing has been conducted at the GMPT Assembly Plant. A radon test was not performed during the Phase I site reconnaissance. Basements are typically where elevated concentrations of radon are collected because radon is heavier than air. The probability of elevated concentrations of radon in the building at the Site is minimal due to the construction of the facilities and the open ventilation which is present at the Site and the minimal amount of basements (pits/sumps) in the plant.
- The GMPT Assembly Plant has several pits and sumps which are located in several areas within the plant. The pits and sumps have historically been used to collect and contain spills and drips from the process machinery. During the past operations at the facility, it is unknown how often these were cleaned out and how the materials in them were managed. From the observations during the Phase I Site visit, the integrity of the pits and sumps appears to be good, but the true conditions are mainly unknown. The pit located at column U-1 does contain abundant oily materials and sometimes contains either groundwater or surface water (possibly from leaking roof drain pipes) which infiltrates into the pit.
- The Assembly Plant did have transformers which contained PCB oils. The last of the transformers was removed in 2003-2004. Several of the transformers reportedly did leak. Currently, there is an area of concrete (approximately one square foot in area) which is beneath a transformer that is still stained with potential PCB oil.
- The Assembly Plant does have several Aboveground Storage Tanks (ASTs), unrelated to process machinery, which are dual contained. There are no reported releases from the ASTs. It is reported that this plant has never had any Underground Storage Tanks (USTs).

7.2 Historical Recognized Environmental Conditions

- According to the Assembly Plant environmental engineer, there are asbestos and asbestos containing materials within the plant. It is reported that there is some asbestos insulation on some of the piping runs within the plant. In addition, there is some asbestos floor tile and mastic located on the second floor of the building. Asbestos abatement is only required at the plant in the event that damaged or exposed material is present, or for demolition or renovation activities. ARCADIS did observe piping insulation which was labeled as containing asbestos or possibly containing asbestos related materials. In speaking with facility personnel, when it is unknown whether or not materials may contain asbestos, the facility collects a sample of the material for analysis.
- Due to the age of the Assembly Plant, it is likely that lead based paint is present on the structural steel and other painted portions of the Assembly Plant building. The lead based paint issue is of a concern primarily due to the large amount of area where the likelihood of the lead based paint is possible.

7.3 De Minimis Conditions

De minimis environmental conditions at the Site include the following:

- The Site is a small quantity generator (SQG) of hazardous waste. The material is temporarily stored in satellite accumulation areas. Any damaged containers and off-specification materials are stored in the building. The floor in the area of the material storage has some minor drips and staining but no evidence of any release was observed in this area.
- The Site has minor staining in the rack storage and other outside 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 several of the maintenance areas within the building, minor staining was observed on the floor areas near work benches and some of the flammable cabinets and near equipment.

8.0 CONCLUSIONS

ARCADIS performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of a portion of the property located at 5400 Chevrolet Boulevard, Parma, Ohio (the Site). The Site is the GMPT on the southern portion of the property and consists of approximately 58-acres of land that is improved with an approximately 475,000- square-foot GMPT Assembly Plant Building, roadways and railroad spurs related to the main operation the Assembly Plant. Any exceptions to, or deletions from, this practice are described in Section 9 of this report. This assessment has revealed no evidence of a recognized environmental condition (REC) in connection with the Site, except for the following:

- The former presence of transformers which contained PCB oils are considered a REC since several of the transformers reportedly leaked and there is an area (approximately one square foot) of concrete which is still currently stained with PCB oil.
- The numerous pits and sumps located within the plant's floor which have historically been used to collect and contain oil spills and drips from the process equipment are considered a REC since the condition of the pits and sumps is not fully known.

The following are considered as Business Environmental Concerns (BECs):

- The presence of piping insulation which was labeled as containing asbestos or possibly containing asbestos related materials.
- The possible presence of lead based paint on the structural steel and other painted portions of the building
- There is an area at towards the southwest portion of the Site where the soils are mounded, higher than the rest of the property. It is unknown whether the mound has any buried materials (none reported), fill material, or whether it is excess soils from the construction of the Assembly Building.

9.0 DEVIATIONS/DATA GAPS

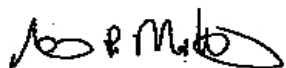
The inability to identify the date of first use of the Site for agricultural purposes represents a data gap. It has been reported, and viewed from the historic aerials that a farmhouse and related farming structures may have been present on the property in the past. It is the opinion of ARCADIS that this data gap is not significant and does not affect our ability to render the foregoing conclusion.

10.0 ADDITIONAL SERVICES

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

11.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

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.



Stephen P. McCarthy
Principal Scientist

 for

Todd Aebie
Staff Geologist

12.0 REFERENCES

City of Parma

- City of Parma Fire Department
- Building and Zoning Department
-

Cuyahoga County

- Health Department
- Auditors Office Website

Ohio EPA Website

Ohio BUSTR Website

Ohio Department of Natural Resources Website

Reports, Plans and Other Documents Reviewed:

EDR:

- *The EDR Aerial Photo Decade Package*, Inquiry Number 2743220.5, April 12, 2010, 5400 Chevrolet Boulevard, Parma, Ohio 44130.
- *The EDR Radius Map with GeoCheck®*, Inquiry Number 2743220.2s, April 12, 2010, 5400 Chevrolet Boulevard, Parma, Ohio 44130.
- *The EDR Sanborn Map Report*, Inquiry Number 2743220.3, April 12, 2010, 5400 Chevrolet Boulevard, Parma, Ohio 44130 (Unmapped Property—No coverage).
- *The EDR Historic Topographic Map Report*, Inquiry Number 2743220.4, April 12, 2010, 5400 Chevrolet Boulevard, Parma, Ohio 44130
- *The EDR City Directory Abstract* Inquiry Number 2743220.6, April 12, 2010, 5400 Chevrolet Boulevard, Parma, Ohio 44130.
- *The EDR Aerial Photo Decade Package*, Inquiry Number 2561985.5, August 12, 2009, 5400 Chevrolet Boulevard, Parma, Ohio 44130.
- *The EDR Radius Map with GeoCheck®*, Inquiry Number 2561985.2s, August 12, 2009, 2009, 5400 Chevrolet Boulevard, Parma, Ohio 44130.
- *The EDR Sanborn Map Report*, Inquiry Number 2561985.3, August 12, 2009, 5400 Chevrolet Boulevard, Parma, Ohio 44130 (Unmapped Property—No coverage).

- *The EDR Historic Topographic Map Report*, Inquiry Number 2561985.4, August 12, 2009, 5400 Chevrolet Boulevard, Parma, Ohio 44130
The EDR City Directory Abstract Inquiry Number 2561985.6, August 12, 2009, 5400 Chevrolet Boulevard, Parma, Ohio 44130.

GM Parma Facility Complex Reports:

- SPCC Plan,
- SWPPP Plan
- Title V Permit
- Stormwater NPDES Permit

FIGURES



NOTE: AERIAL IS NOT TO SCALE.

LEGEND

— PROPERTY BOUNDARY



GM PARMA POWERTRAIN ASSEMBLY PLANT
MLC-1203
PARMA, OHIO

PROPERTY BOUNDARY MAP



FIGURE
2

APPENDIX A

User Questionnaire

Phase I Environmental Site Assessment Questionnaire

(User Provided Information Questionnaire)

Date: 4/16/10
Site Name: PARMA POWERTRAIN Your Name: DIANE PALMER
Site Location: PARMA, OH Your Title: SR. ENV. ENG.
Relationship to Site: ☐ Owner ☐ Occupant ☐ Purchaser ☐ Other
Length of Time Associated with Site: 30 YEARS

Please review and complete this questionnaire which will assist LFR in completing our site assessment. If sufficient space is not provided, please complete 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: _____

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: _____

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: MANUFACTURING PLANT BUILT IN

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: CHEMICAL MASTER LIST
ATTACHED

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: COOLANT SPILL ESCAPED
BLDG AND ENTERED STORM SEWER. SPILL CONTAINED
AT API SEPARATOR / BELT SKIMMER. APPROX 4-5 YEARS AGO.

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

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: SEE ABOVE

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: _____

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: _____

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?

☐ Yes

☐ No

☒ Unknown

☐ N/A

If Yes, please explain:

APPENDIX B

Historical Research Documentation

Aerial Photographs

GMPT Parma MLC-1203

5400 Chevrolet Boulevard
Cleveland, OH 44130

Inquiry Number: 2743220.5

April 12, 2010

The EDR Aerial Photo Decade Package

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. EDR's 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 April 12, 2010

Target Property:

5400 Chevrolet Boulevard

Cleveland, OH 44130

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1938	Aerial Photograph. Scale: 1"=750'	Panel #: /Flight Date: June 29, 1938	EDR
1952	Aerial Photograph. Scale: 1"=750'	Panel #: /Flight Date: April 17, 1952	EDR
1962	Aerial Photograph. Scale: 1"=750'	Panel #: /Flight Date: April 08, 1962	EDR
1977	Aerial Photograph. Scale: 1"=833'	Panel #: /Flight Date: May 11, 1977	EDR
1982	Aerial Photograph. Scale: 1"=1000'	Panel #: /Flight Date: May 04, 1982	EDR
1990	Aerial Photograph. Scale: 1"=750'	Panel #: /Flight Date: April 22, 1990	EDR
2005	Aerial Photograph. Scale: 1"=604'	Panel #: /Flight Date: January 01, 2005	EDR

38



INQUIRY #: 2743220.5

YEAR: 1938

| = 750'





INQUIRY #: 2743220.5

YEAR: 1952

| = 750'



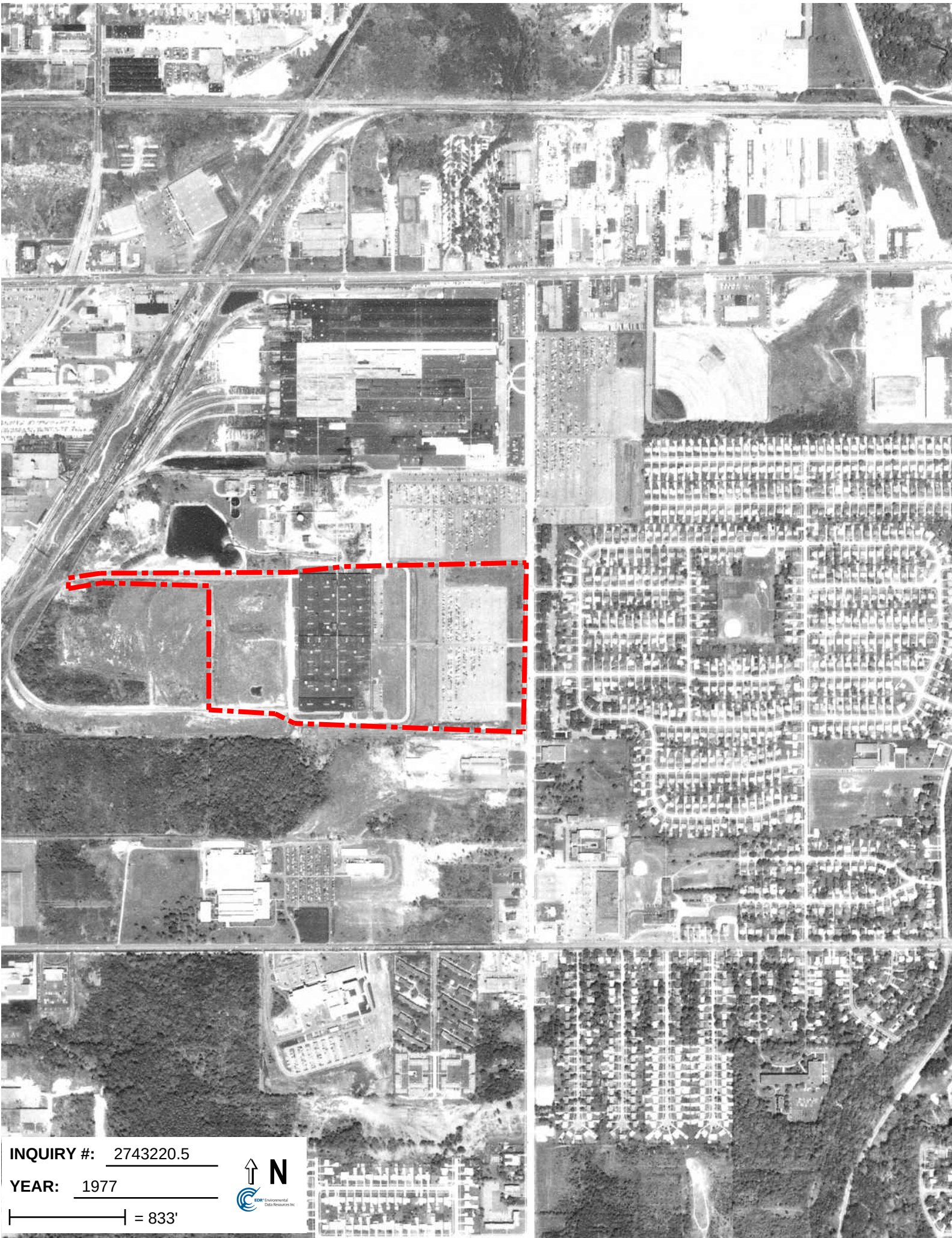


INQUIRY #: 2743220.5

YEAR: 1962

| = 750'



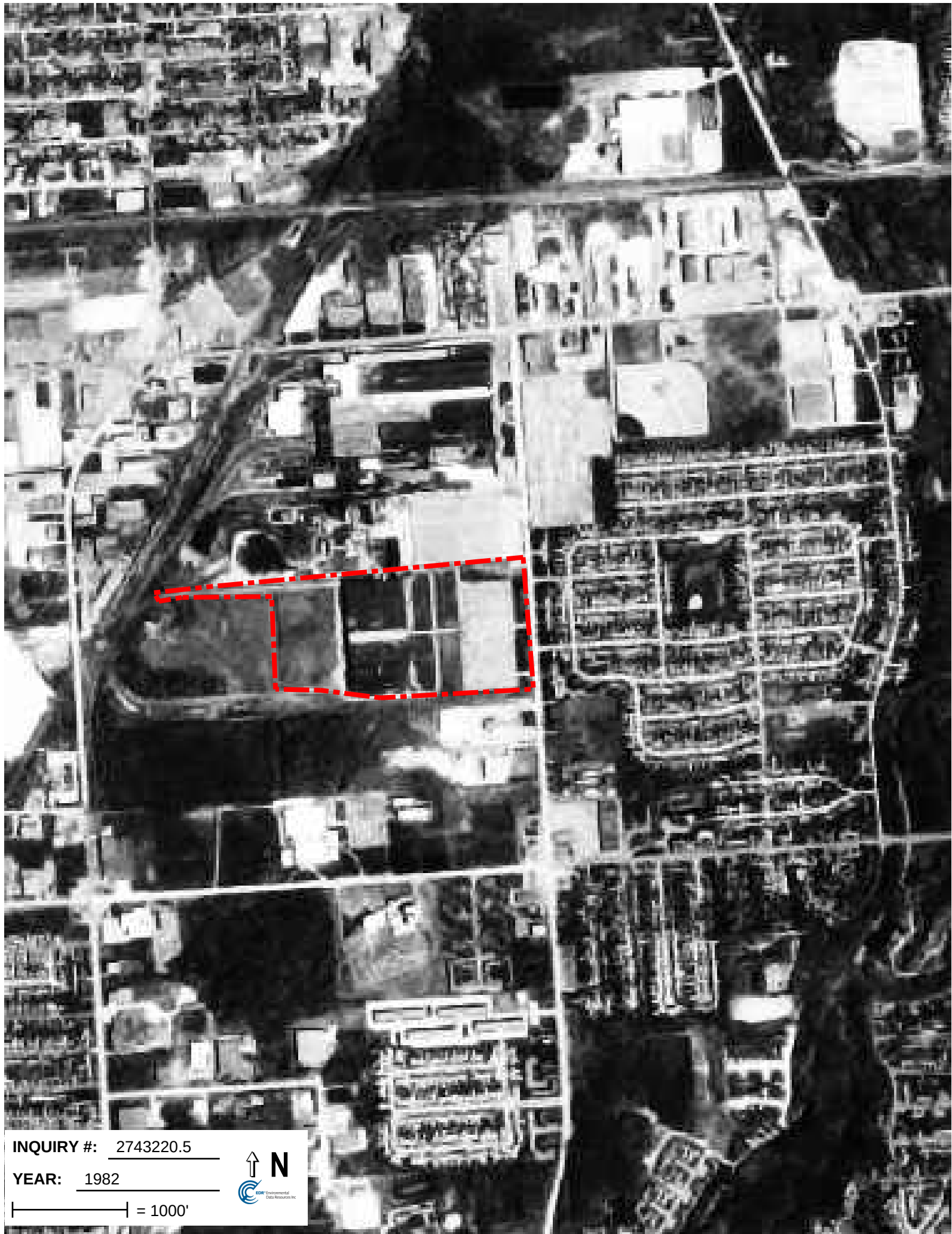


INQUIRY #: 2743220.5

YEAR: 1977

| = 833'





INQUIRY #: 2743220.5

YEAR: 1982

| = 1000'





INQUIRY #: 2743220.5

YEAR: 1990

| = 750'





INQUIRY #: 2743220.5

YEAR: 2005

| = 604'



↑ N

Sanborn Maps

GMPT Parma MLC-1203

5400 Chevrolet Boulevard
Cleveland, OH 44130

Inquiry Number: 2743220.3

April 12, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

4/12/10

Site Name:

GMPT Parma MLC-1203
5400 Chevrolet Boulevard
Cleveland, OH 44130

Client Name:

LFR Inc.
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

EDR Inquiry # 2743220.3

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: GMPT Parma MLC-1203
Address: 5400 Chevrolet Boulevard
City, State, Zip: Cleveland, OH 44130
Cross Street:
P.O. # NA
Project: NA
Certification # 0B48-4A1D-942B



Sanborn® Library search results
Certification # 0B48-4A1D-942B

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

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

The Sanborn Library LLC Since 1866™

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City Directory Abstract

GMPT Parma MLC-1203

5400 Chevrolet Boulevard
Cleveland, OH 44130

Inquiry Number: 2743220.6
April 12, 2010

The EDR-City Directory Abstract

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SECTION

Executive Summary

Findings

Thank you for your business.

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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 1930 through 2002. 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.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2002	Haines & Company	X	X	X	-
1999	Haines Company, Inc.	X	X	X	-
1991	OHIO BELL	X	X	X	-
1986	OHIO BELL	X	X	X	-
1983	The Ohio Bell Telephone Co.	-	X	X	-
1981	Ohio Bell Telephone Company	-	X	X	-
1980	The Cleveland Directory Co.	-	X	X	-
1974	The Cleveland Directory Co.	-	-	-	-
1973	The Cleveland Directory Co.	-	-	-	-
1972	The Cleveland Directory Co.	-	-	-	-
1970	The Cleveland Directory Co.	-	-	-	-
1967	The Cleveland Directory Co.	-	X	X	-
1962	The Cleveland Directory Co.	-	-	-	-
1961	The Cleveland Directory Co.	-	-	-	-
1959	The Cleveland Directory Co.	-	-	-	-
1955	The Cleveland Directory Co.	-	-	-	-
1954	The Cleveland Directory Co.	-	-	-	-
1951	The Cleveland Directory Co.	-	-	-	-
1949	The Cleveland Directory Co.	-	-	-	-
1941	The Cleveland Directory Co.	-	-	-	-
1935	The Cleveland Directory Co.	-	-	-	-
1930	The Cleveland Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

5400 Chevrolet Boulevard
Cleveland, OH 44130

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	A EDSCPCPARMA	Haines & Company
	FREIGHTSYSTEMS	Haines & Company
	PARMA	Haines & Company
	PARMA CSD	Haines & Company
	PARMA HEIGHTS AREA	Haines & Company
	PLANT	Haines & Company
	TRANS NATIONAL	Haines & Company
1999	EDSCPC PARMA	Haines Company, Inc.
	PLANT	Haines Company, Inc.
1991	Field Trailer	OHIO BELL
1986	Gladieux Food Serv Inc	OHIO BELL

FINDINGS

ADJOINING PROPERTY DETAIL

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

AARON DR

11421 AARON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	WIND Richard	Haines Company, Inc.
	WIND Richard	Haines Company, Inc.
1980	Wind Richd H	The Cleveland Directory Co.
	Wind Richd H	The Cleveland Directory Co.
1967	WIND RICH O H	The Cleveland Directory Co.
	WIND RICH O H	The Cleveland Directory Co.

11441 AARON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	WOZNUK Raymond	Haines Company, Inc.
	WOZNUK Raymond	Haines Company, Inc.
1980	Woznuk J	The Cleveland Directory Co.
	Woznuk J	The Cleveland Directory Co.
1967	SPAN GEO L	The Cleveland Directory Co.
	SPAN GEO L	The Cleveland Directory Co.

11460 AARON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	DOMANICH Feancis	Haines & Company
	DOMANICH Feancis	Haines & Company
1999	DOMANICH Francis	Haines Company, Inc.
	DOMANICH Francis	Haines Company, Inc.
1983	COPFER Ray F	The Ohio Bell Telephone Co.
	COPFER Ray F	The Ohio Bell Telephone Co.
1981	COPPER Ray F	Ohio Bell Telephone Company
	COPPER Ray F	Ohio Bell Telephone Company
1980	Copfer Ray F	The Cleveland Directory Co.
	Copfer Ray F	The Cleveland Directory Co.
1967	COPFER RAY F	The Cleveland Directory Co.
	COPFER RAY F	The Cleveland Directory Co.

FINDINGS

11471 AARON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	HYDEKevin W	Haines & Company
	SINGH Inder	Haines & Company
	HYDEKevin W	Haines & Company
	SINGH Inder	Haines & Company
1999	OCSORBAJoseph	Haines Company, Inc.
	OCSORBAJoseph	Haines Company, Inc.
1991	Jeffrey	OHIO BELL
	Jeffrey	OHIO BELL
1986	DANGELO A J	OHIO BELL
	DANGELO A J	OHIO BELL
1983	DANGELO A J	The Ohio Bell Telephone Co.
	DANGELO A J	The Ohio Bell Telephone Co.
1981	DANGELOAJ	Ohio Bell Telephone Company
	DANGELOAJ	Ohio Bell Telephone Company
1980	Dangelo A J	The Cleveland Directory Co.
	Dangelo A J	The Cleveland Directory Co.
1967	HENNINGS ALBERT	The Cleveland Directory Co.
	HENNINGS ALBERT	The Cleveland Directory Co.

11491 AARON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SHOLCOMB Russell	Haines & Company
	HOLCOMBD	Haines & Company
	HOLCOMBD	Haines & Company
	SHOLCOMB Russell	Haines & Company
1999	OHOLCOMBD	Haines Company, Inc.
	HOLCOMB Russell	Haines Company, Inc.
	OHOLCOMBD	Haines Company, Inc.
	HOLCOMB Russell	Haines Company, Inc.
1991	Russell	OHIO BELL
	Russell	OHIO BELL
1986	HOLCOMB Russell	OHIO BELL
	HOLCOMB Russell	OHIO BELL
1983	HOLCOMO Russell	The Ohio Bell Telephone Co.
	HOLCOMO Russell	The Ohio Bell Telephone Co.
1981	HOLCOMB Russell	Ohio Bell Telephone Company
	HOLCOMB Russell	Ohio Bell Telephone Company
1980	Holcomb Mary L	The Cleveland Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Holcomb Mary L	The Cleveland Directory Co.
1967	HOLCOMB RUSSELL E	The Cleveland Directory Co.
	HOLCOMB RUSSELL E	The Cleveland Directory Co.

11500 AARON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	VOLANKen	Haines & Company
	VOLANKen	Haines & Company
1999	GALLARDOCarlola	Haines Company, Inc.
	GALLARDOCarlola	Haines Company, Inc.
1981	RUDDY J	Ohio Bell Telephone Company
	RUDDY J	Ohio Bell Telephone Company
1980	Ruddy John J	The Cleveland Directory Co.
	Ruddy John J	The Cleveland Directory Co.
1967	RUDDY JOHN J	The Cleveland Directory Co.
	RUDDY JOHN J	The Cleveland Directory Co.

11520 AARON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	PAVLOVICRadmila	Haines & Company
	PAVLOVICRadmila	Haines & Company
1999	PAVLOVICRadmila	Haines Company, Inc.
	PAVLOVICRadmila	Haines Company, Inc.
1991	Ramila	OHIO BELL
	Ramila	OHIO BELL
1986	CARROLLA Donald F& Ruth E	OHIO BELL
	CARROLLA Donald F& Ruth E	OHIO BELL
1983	CARROLL Donald F	The Ohio Bell Telephone Co.
	CARROLL Donald F	The Ohio Bell Telephone Co.
1981	CARROLL Donald F	Ohio Bell Telephone Company
	CARROLL Donald F	Ohio Bell Telephone Company
1980	Carroll Donald F	The Cleveland Directory Co.
	Carroll Donald F	The Cleveland Directory Co.
1967	CARROLL DONALD F	The Cleveland Directory Co.
	CARROLL DONALD F	The Cleveland Directory Co.

11540 AARON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	COOKVincent	Haines Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	COOKVincent	Haines Company, Inc.
1980	Giering Richd J	The Cleveland Directory Co.
	Giering Richd J	The Cleveland Directory Co.
1967	GIERING RICHD J	The Cleveland Directory Co.
	GIERING RICHD J	The Cleveland Directory Co.

11560 AARON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	VAJDIK Frank M	Haines & Company
	VAJDIK Frank M	Haines & Company
1999	VAJDIK Frank M	Haines Company, Inc.
	VAJDIK Frank M	Haines Company, Inc.
1991	VAJDIK Frank M	OHIO BELL
	VAJDIK Frank M	OHIO BELL
1986	VAJDIKC Frank M	OHIO BELL
	VAJDIKC Frank M	OHIO BELL
1983	VAJDIK Frank M	The Ohio Bell Telephone Co.
	VAJDIK Frank M	The Ohio Bell Telephone Co.
1981	VAJDIK Frank M	Ohio Bell Telephone Company
	VAJDIK Frank M	Ohio Bell Telephone Company
1980	Vajdik Frank M	The Cleveland Directory Co.
	Vajdik Frank M	The Cleveland Directory Co.
1967	VAJOIK FRANK M	The Cleveland Directory Co.
	VAJOIK FRANK M	The Cleveland Directory Co.

11580 AARON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	TOROK Joe E	Haines & Company
	TOROK Joe E	Haines & Company
1999	OTOROKJoe E	Haines Company, Inc.
	OTOROKJoe E	Haines Company, Inc.
1991	Joe E	OHIO BELL
	Joe E	OHIO BELL
1983	TOROK Joe E	The Ohio Bell Telephone Co.
	TOROK Joe E	The Ohio Bell Telephone Co.
1981	TOROK Joe E	Ohio Bell Telephone Company
	TOROK Joe E	Ohio Bell Telephone Company

FINDINGS

11600 AARON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	DUTY Melvin	OHIO BELL
	DUTY Melvin	OHIO BELL
1986	SIMPSON ER	OHIO BELL
	SIMPSON ER	OHIO BELL
1983	EOR	The Ohio Bell Telephone Co.
	EOR	The Ohio Bell Telephone Co.
1981	SIMPSON E R	Ohio Bell Telephone Company
	SIMPSON E R	Ohio Bell Telephone Company
1980	No Return	The Cleveland Directory Co.
	No Return	The Cleveland Directory Co.
1967	DENNIS PAUL R	The Cleveland Directory Co.
	DENNIS PAUL R	The Cleveland Directory Co.

ABRAHAM AVE

5490 ABRAHAM AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	SWISHERJoe	Haines Company, Inc.
	SWISHERJoe	Haines Company, Inc.

5496 ABRAHAM AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	LAPINSKYBrian	Haines Company, Inc.
	LAPINSKYBrian	Haines Company, Inc.

ABRAHAM DR

5490 ABRAHAM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Swisher Joe	The Cleveland Directory Co.
	Swisher Joe	The Cleveland Directory Co.
1967	PAWLAK FRANK E	The Cleveland Directory Co.
	PAWLAK FRANK E	The Cleveland Directory Co.

5496 ABRAHAM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Adams Theo W	The Cleveland Directory Co.
	5502 Tatar Frank C	The Cleveland Directory Co.
	5502 Tatar Frank C	The Cleveland Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Adams Theo W	The Cleveland Directory Co.
1967	ADAMS THEO W	The Cleveland Directory Co.
	ADAMS THEO W	The Cleveland Directory Co.

CHEVROLET BLVD

5300 CHEVROLET BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	KEY OFFCE SERVICES	Haines & Company
	UNITDAUTO	Haines & Company
	ARSPCE&AGRI	Haines & Company
	BENEFIT	Haines & Company
	KEY OFFCE SERVICES	Haines & Company
	UNITDAUTO	Haines & Company
	ARSPCE&AGRI	Haines & Company
	BENEFIT	Haines & Company
1999	BENFT	Haines Company, Inc.
	UNITDAEROSPC	Haines Company, Inc.
	BENFT	Haines Company, Inc.
	UNITDAEROSPC	Haines Company, Inc.
1991	Benefit Office	OHIO BELL
	Benefit Office	OHIO BELL
1986	Benefit Office	OHIO BELL
	Local	OHIO BELL
	Gladieux Food Servs Inc	OHIO BELL
	Benefit Office	OHIO BELL
	Local	OHIO BELL
	Gladieux Food Servs Inc	OHIO BELL
1983	Gladieux Food Servs Inc	The Ohio Bell Telephone Co.
	United Auto Aerospace & Agricultural Implement Workers	The Ohio Bell Telephone Co.
	UNITED AUTO AEROSPACE & AGRICULTURAL IMPLEMENT WORKERS OF AMERICA U A W	The Ohio Bell Telephone Co.
	Benefit Office	The Ohio Bell Telephone Co.
	Gladieux Food Servs Inc	The Ohio Bell Telephone Co.
	United Auto Aerospace & Agricultural Implement Workers	The Ohio Bell Telephone Co.
	UNITED AUTO AEROSPACE & AGRICULTURAL IMPLEMENT WORKERS OF AMERICA U A W	The Ohio Bell Telephone Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	Benefit Office	The Ohio Bell Telephone Co.
1980	Chevrolet Motor Div Geni Mtrs Corp	The Cleveland Directory Co.
	Chevrolet Motor Div Geni Mtrs Corp	The Cleveland Directory Co.

5431 CHEVROLET BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	A ARNOLD Dallas	Haines & Company
	DEBERRYKelly	Haines & Company
	APARTMENTS	Haines & Company
	A DIAMOND Kennelh S	Haines & Company
	A ARNOLD Dallas	Haines & Company
	DEBERRYKelly	Haines & Company
	APARTMENTS	Haines & Company
	A DIAMOND Kennelh S	Haines & Company
1999	APARTMENTS	Haines Company, Inc.
	BECKS	Haines Company, Inc.
	HOWARDJea lene	Haines Company, Inc.
	LEVECK Natalie 44945s	Haines Company, Inc.
	MCMILLANWille	Haines Company, Inc.
	MIHALY William	Haines Company, Inc.
	KOSTANDARASS 440 8 B 4 6992 i	Haines Company, Inc.
	CHEVROLETBLVD 44130 C` T	Haines Company, Inc.
	APARTMENTS	Haines Company, Inc.
	BECKS	Haines Company, Inc.
	HOWARDJea lene	Haines Company, Inc.
	LEVECK Natalie 44945s	Haines Company, Inc.
	MCMILLANWille	Haines Company, Inc.
	MIHALY William	Haines Company, Inc.
	KOSTANDARASS 440 8 B 4 6992 i	Haines Company, Inc.
	CHEVROLETBLVD 44130 C` T	Haines Company, Inc.
1991	Wm	OHIO BELL
	Robt G	OHIO BELL
	Sandra Ann	OHIO BELL
	WASHAM C A	OHIO BELL
	Robt	OHIO BELL
	John	OHIO BELL
	MERRY Bill	OHIO BELL
	Wm J	OHIO BELL
	Wm	OHIO BELL

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Robt G	OHIO BELL
	Sandra Ann	OHIO BELL
	WASHAM C A	OHIO BELL
	Robt	OHIO BELL
	John	OHIO BELL
	MERRY Bill	OHIO BELL
	Wm J	OHIO BELL
1986	SPENCER Susan	OHIO BELL
	SEESE Wm J	OHIO BELL
	GUMINA L	OHIO BELL
	SZERDY Mk	OHIO BELL
	HANSAL L	OHIO BELL
	MANNING Robt	OHIO BELL
	HOLLAND Wm	OHIO BELL
	MIHALY Wm	OHIO BELL
	YUHIAEK L	OHIO BELL
	SPENCER Susan	OHIO BELL
	SEESE Wm J	OHIO BELL
	GUMINA L	OHIO BELL
	SZERDY Mk	OHIO BELL
	HANSAL L	OHIO BELL
	MANNING Robt	OHIO BELL
	HOLLAND Wm	OHIO BELL
	MIHALY Wm	OHIO BELL
	YUHIAEK L	OHIO BELL
1983	YUHAS L	The Ohio Bell Telephone Co.
	CECIL F	The Ohio Bell Telephone Co.
	SPENCER Susan	The Ohio Bell Telephone Co.
	MANNING Robt	The Ohio Bell Telephone Co.
	ARMSTRONG Robt	The Ohio Bell Telephone Co.
	YUHAS L	The Ohio Bell Telephone Co.
	CECIL F	The Ohio Bell Telephone Co.
	SPENCER Susan	The Ohio Bell Telephone Co.
	MANNING Robt	The Ohio Bell Telephone Co.
	ARMSTRONG Robt	The Ohio Bell Telephone Co.
1981	KEITH Ronald T	Ohio Bell Telephone Company
	FRANCIS Fares	Ohio Bell Telephone Company
	SPENCER Susan	Ohio Bell Telephone Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	MANNING Robt	Ohio Bell Telephone Company
	DEUTCHMANB Frank J	Ohio Bell Telephone Company
	KEITH Ronald T	Ohio Bell Telephone Company
	FRANCIS Fares	Ohio Bell Telephone Company
	SPENCER Susan	Ohio Bell Telephone Company
	MANNING Robt	Ohio Bell Telephone Company
	DEUTCHMANB Frank J	Ohio Bell Telephone Company
1980	Terrytown Garden Apartments	The Cleveland Directory Co.
	aMihaly Wm	The Cleveland Directory Co.
	a Spencer Susan E	The Cleveland Directory Co.
	aManning Robt	The Cleveland Directory Co.
	aFares Francis	The Cleveland Directory Co.
	aWallace John	The Cleveland Directory Co.
	a Bilchak Mary Mrs	The Cleveland Directory Co.
	a Szerdy Theodor	The Cleveland Directory Co.
	a Deutsch Frank J	The Cleveland Directory Co.
	aSkeen Robt	The Cleveland Directory Co.
	IliaDobranic Janice	The Cleveland Directory Co.
	aKeith Ronald T	The Cleveland Directory Co.
	Terrytown Garden Apartments	The Cleveland Directory Co.
	aMihaly Wm	The Cleveland Directory Co.
	a Spencer Susan E	The Cleveland Directory Co.
	aManning Robt	The Cleveland Directory Co.
	aFares Francis	The Cleveland Directory Co.
	aWallace John	The Cleveland Directory Co.
	a Bilchak Mary Mrs	The Cleveland Directory Co.
	a Szerdy Theodor	The Cleveland Directory Co.
	a Deutsch Frank J	The Cleveland Directory Co.
	aSkeen Robt	The Cleveland Directory Co.
	IliaDobranic Janice	The Cleveland Directory Co.
	aKeith Ronald T	The Cleveland Directory Co.

5441 CHEVROLET BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	APARTMENTS	Haines & Company
	A BONNERK 440 B	Haines & Company
	APARTMENTS	Haines & Company
	A BONNERK 440 B	Haines & Company
1999	VENTURAJ	Haines Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	GRAFFLynette 44018 M	Haines Company, Inc.
	VENTURAJ	Haines Company, Inc.
	GRAFFLynette 44018 M	Haines Company, Inc.
1991	Stephen	OHIO BELL
	Larry D	OHIO BELL
	LOGSDO NA	OHIO BELL
	Jacob	OHIO BELL
	Stephen	OHIO BELL
	Larry D	OHIO BELL
	LOGSDO NA	OHIO BELL
	Jacob	OHIO BELL
1986	MARSHALL Neill W	OHIO BELL
	AVERDECK M	OHIO BELL
	MOKRI G	OHIO BELL
	FROST Larry D	OHIO BELL
	MARSHALL Neill W	OHIO BELL
	AVERDECK M	OHIO BELL
	MOKRI G	OHIO BELL
	FROST Larry D	OHIO BELL
1983	SMITH Mildred C	The Ohio Bell Telephone Co.
	GQRDON Daniel A	The Ohio Bell Telephone Co.
	MARSHALL Neill W	The Ohio Bell Telephone Co.
	ROGERS Chris S	The Ohio Bell Telephone Co.
	MOKRIS G	The Ohio Bell Telephone Co.
	SMITH Mildred C	The Ohio Bell Telephone Co.
	GQRDON Daniel A	The Ohio Bell Telephone Co.
	MARSHALL Neill W	The Ohio Bell Telephone Co.
	ROGERS Chris S	The Ohio Bell Telephone Co.
	MOKRIS G	The Ohio Bell Telephone Co.
1981	MARSHALL Neill W	Ohio Bell Telephone Company
	SMITH Mildred C	Ohio Bell Telephone Company
	NIKIEL John	Ohio Bell Telephone Company
	MARSHALL Neill W	Ohio Bell Telephone Company
	SMITH Mildred C	Ohio Bell Telephone Company
	NIKIEL John	Ohio Bell Telephone Company
1980	a Basala	The Cleveland Directory Co.
	Apartments	The Cleveland Directory Co.
	aScott Ralph R	The Cleveland Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	a Vacant	The Cleveland Directory Co.
	aNikiel John	The Cleveland Directory Co.
	a Marshall Ethel F Mrs	The Cleveland Directory Co.
	aLa Barge Lowell K	The Cleveland Directory Co.
	aJarvis Clark	The Cleveland Directory Co.
	a Castilo	The Cleveland Directory Co.
	aMorkrin Brunnet	The Cleveland Directory Co.
	a Smith Mildred C	The Cleveland Directory Co.
	aLampshire Ann	The Cleveland Directory Co.
	a Basala	The Cleveland Directory Co.
	aScott Ralph R	The Cleveland Directory Co.
	a Vacant	The Cleveland Directory Co.
	aNikiel John	The Cleveland Directory Co.
	a Marshall Ethel F Mrs	The Cleveland Directory Co.
	aLa Barge Lowell K	The Cleveland Directory Co.
	aJarvis Clark	The Cleveland Directory Co.
	a Castilo	The Cleveland Directory Co.
	aMorkrin Brunnet	The Cleveland Directory Co.
	a Smith Mildred C	The Cleveland Directory Co.
	aLampshire Ann	The Cleveland Directory Co.
	Apartment	The Cleveland Directory Co.

5461 CHEVROLET BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	APARTMENTS	Haines & Company
	A CUMMINS Melissa	Haines & Company
	A CUMMINS Nathan 440 B	Haines & Company
	A ECHOLS Byron	Haines & Company
	APARTMENTS	Haines & Company
	A CUMMINS Melissa	Haines & Company
	A CUMMINS Nathan 440 B	Haines & Company
	A ECHOLS Byron	Haines & Company
1999	SANDS Edward	Haines Company, Inc.
	CRAM Jim	Haines Company, Inc.
	POWELL Beatrice	Haines Company, Inc.
	SANDS Edward	Haines Company, Inc.
	CRAM Jim	Haines Company, Inc.
1991	POWELL Beatrice	Haines Company, Inc.
	J	OHIO BELL

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	PUCHA NM A	OHIO BELL
	K	OHIO BELL
	Don	OHIO BELL
	J	OHIO BELL
	PUCHA NM A	OHIO BELL
	K	OHIO BELL
	Don	OHIO BELL
1986	RECK K	OHIO BELL
	FIGUEROA Luis	OHIO BELL
	RECK K	OHIO BELL
	FIGUEROA Luis	OHIO BELL
1983	MILLER Ronald	The Ohio Bell Telephone Co.
	KING P	The Ohio Bell Telephone Co.
	LONG Thos	The Ohio Bell Telephone Co.
	MILLER Ronald	The Ohio Bell Telephone Co.
	KING P	The Ohio Bell Telephone Co.
	LONG Thos	The Ohio Bell Telephone Co.
1981	SLUSNY Stephen J Jr	Ohio Bell Telephone Company
	WILD Kenneth	Ohio Bell Telephone Company
	SLUSNY Stephen J Jr	Ohio Bell Telephone Company
	WILD Kenneth	Ohio Bell Telephone Company
1980	a Vacant	The Cleveland Directory Co.
	aRay Michl	The Cleveland Directory Co.
	aBasala Eliz	The Cleveland Directory Co.
	aByrnes Lynda	The Cleveland Directory Co.
	aLongstreet Georgia	The Cleveland Directory Co.
	aWild Kenneth	The Cleveland Directory Co.
	a Beckett Jean	The Cleveland Directory Co.
	aRoop P	The Cleveland Directory Co.
	aHudson Wanda	The Cleveland Directory Co.
	aSlusny Steph J Jr	The Cleveland Directory Co.
	Apartments	The Cleveland Directory Co.
	aNovak Mat	The Cleveland Directory Co.
	Apartments	The Cleveland Directory Co.
	a Vacant	The Cleveland Directory Co.
	aRay Michl	The Cleveland Directory Co.
	aBasala Eliz	The Cleveland Directory Co.
	aByrnes Lynda	The Cleveland Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	aLongstreet Georgia	The Cleveland Directory Co.
	aWild Kenneth	The Cleveland Directory Co.
	a Beckett Jean	The Cleveland Directory Co.
	aRoop P	The Cleveland Directory Co.
	aHudson Wanda	The Cleveland Directory Co.
	aSlusny Steph J Jr	The Cleveland Directory Co.
	aNovak Mat	The Cleveland Directory Co.

5471 CHEVROLET BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	APARTMENTS	Haines & Company
	DENNING Apil R	Haines & Company
	A GILLIS Donna	Haines & Company
	APARTMENTS	Haines & Company
	DENNING Apil R	Haines & Company
	A GILLIS Donna	Haines & Company
1999	GILLIS Donna	Haines Company, Inc.
	IRVINJohn P	Haines Company, Inc.
	JONES Vanessa	Haines Company, Inc.
	MATOVICHDonald	Haines Company, Inc.
	GILLIS Donna	Haines Company, Inc.
	IRVINJohn P	Haines Company, Inc.
	JONES Vanessa	Haines Company, Inc.
	MATOVICHDonald	Haines Company, Inc.
1991	E	OHIO BELL
	C S	OHIO BELL
	Bill	OHIO BELL
	Tim	OHIO BELL
	K A	OHIO BELL
	E	OHIO BELL
	C S	OHIO BELL
	Bill	OHIO BELL
	Tim	OHIO BELL
	K A	OHIO BELL
1986	CHAMP R	OHIO BELL
	GRYCZAN Daniel	OHIO BELL
	BAKER S	OHIO BELL
	DONAHUE Chas	OHIO BELL
	KACZMARSIU Brian E	OHIO BELL

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	CHAMP R	OHIO BELL
	GRYCZAN Daniel	OHIO BELL
	BAKER S	OHIO BELL
	DONAHUE Chas	OHIO BELL
	KACZMARSIU Brian E	OHIO BELL
1983	BIRD D A	The Ohio Bell Telephone Co.
	STEITZB SLephen MN	The Ohio Bell Telephone Co.
	DAUGHERTY Jas	The Ohio Bell Telephone Co.
	ROLF S	The Ohio Bell Telephone Co.
	MAZZARO LM	The Ohio Bell Telephone Co.
	BIRD D A	The Ohio Bell Telephone Co.
	STEITZB SLephen MN	The Ohio Bell Telephone Co.
	DAUGHERTY Jas	The Ohio Bell Telephone Co.
	ROLF S	The Ohio Bell Telephone Co.
	MAZZARO LM	The Ohio Bell Telephone Co.
1981	NASH Gary	Ohio Bell Telephone Company
	SLIWA Frank W	Ohio Bell Telephone Company
	SLOVAK Gary A	Ohio Bell Telephone Company
	STEITZ Stephen M	Ohio Bell Telephone Company
	ROCK J	Ohio Bell Telephone Company
	ROLFA S	Ohio Bell Telephone Company
	NASH Gary	Ohio Bell Telephone Company
	SLIWA Frank W	Ohio Bell Telephone Company
	SLOVAK Gary A	Ohio Bell Telephone Company
	STEITZ Stephen M	Ohio Bell Telephone Company
	ROCK J	Ohio Bell Telephone Company
	ROLFA S	Ohio Bell Telephone Company
1980	Apartments	The Cleveland Directory Co.
	aWright Lenny Jr	The Cleveland Directory Co.
	aMiller Douglas	The Cleveland Directory Co.
	aMirosavich Mary A	The Cleveland Directory Co.
	a Rock Jean B Mrs	The Cleveland Directory Co.
	aNash Gary	The Cleveland Directory Co.
	a Rolf Sylvia Mrs	The Cleveland Directory Co.
	aCutshaw Randy	The Cleveland Directory Co.
	a Gill Mack H	The Cleveland Directory Co.
	aSliva F	The Cleveland Directory Co.
	a Slovar	The Cleveland Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	aSmith Richd	The Cleveland Directory Co.
	aWright Lenny Jr	The Cleveland Directory Co.
	Apartments	The Cleveland Directory Co.
	aMiller Douglas	The Cleveland Directory Co.
	aMirosovich Mary A	The Cleveland Directory Co.
	a Rock Jean B Mrs	The Cleveland Directory Co.
	aNash Gary	The Cleveland Directory Co.
	a Rolf Sylvia Mrs	The Cleveland Directory Co.
	aCutshaw Randy	The Cleveland Directory Co.
	a Gill Mack H	The Cleveland Directory Co.
	aSliva F	The Cleveland Directory Co.
	a Slovar	The Cleveland Directory Co.
	aSmith Richd	The Cleveland Directory Co.

5491 CHEVROLET BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	PUSTAY Frank Jr	Haines Company, Inc.
	CLARK Michael	Haines Company, Inc.
	AGANJas V	Haines Company, Inc.
	PUSTAY Frank Jr	Haines Company, Inc.
	CLARK Michael	Haines Company, Inc.
	AGANJas V	Haines Company, Inc.
	SNYDERS	Haines Company, Inc.
	SNYDERS	Haines Company, Inc.
1991	G	OHIO BELL
	DERIVA NS	OHIO BELL
	L A	OHIO BELL
	J	OHIO BELL
	L	OHIO BELL
	EA	OHIO BELL
	G	OHIO BELL
	DERIVA NS	OHIO BELL
	L A	OHIO BELL
	J	OHIO BELL
	L	OHIO BELL
	EA	OHIO BELL
1986	KIJNDMUELLER J	OHIO BELL
	HILL M R	OHIO BELL
	SALO EA	OHIO BELL

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	WIGGENHORN Robt W Jr	OHIO BELL
	SISLEY L	OHIO BELL
	KIJNDMUELLER J	OHIO BELL
	HILL M R	OHIO BELL
	SALO EA	OHIO BELL
	WIGGENHORN Robt W Jr	OHIO BELL
	SISLEY L	OHIO BELL
1983	GARCIA Ray	The Ohio Bell Telephone Co.
	GOANS Frank G	The Ohio Bell Telephone Co.
	TEFFT Richard	The Ohio Bell Telephone Co.
	JONES G	The Ohio Bell Telephone Co.
	SISLER L	The Ohio Bell Telephone Co.
	BROWN Thos	The Ohio Bell Telephone Co.
	SALO E A	The Ohio Bell Telephone Co.
	GOANS Frank G	The Ohio Bell Telephone Co.
	TEFFT Richard	The Ohio Bell Telephone Co.
	JONES G	The Ohio Bell Telephone Co.
	SISLER L	The Ohio Bell Telephone Co.
	BROWN Thos	The Ohio Bell Telephone Co.
	SALO E A	The Ohio Bell Telephone Co.
	GARCIA Ray	The Ohio Bell Telephone Co.
1981	TEFFT Richard	Ohio Bell Telephone Company
	MATYE Michael R	Ohio Bell Telephone Company
	SALO E A	Ohio Bell Telephone Company
	TEFFT Richard	Ohio Bell Telephone Company
	MATYE Michael R	Ohio Bell Telephone Company
	SALO E A	Ohio Bell Telephone Company
1980	b Ables	The Cleveland Directory Co.
	bTefft Richd	The Cleveland Directory Co.
	b Vacant	The Cleveland Directory Co.
	bGadson Phillip	The Cleveland Directory Co.
	b Joyce Rose	The Cleveland Directory Co.
	bRiffle Jeannette	The Cleveland Directory Co.
	bThurman Lester	The Cleveland Directory Co.
	bSims Emory	The Cleveland Directory Co.
	lllbLagarowycz Michl	The Cleveland Directory Co.
	bBaker Eric	The Cleveland Directory Co.
	bBushman James	The Cleveland Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Apartments	The Cleveland Directory Co.
	b Ables	The Cleveland Directory Co.
	bTefft Richd	The Cleveland Directory Co.
	b Vacant	The Cleveland Directory Co.
	bGadson Phillip	The Cleveland Directory Co.
	b Joyce Rose	The Cleveland Directory Co.
	bRiffle Jeannette	The Cleveland Directory Co.
	bThurman Lester	The Cleveland Directory Co.
	bSims Emory	The Cleveland Directory Co.
	lllbLagarowycz Michl	The Cleveland Directory Co.
	bBaker Eric	The Cleveland Directory Co.
	bBushman James	The Cleveland Directory Co.
	Apartments	The Cleveland Directory Co.

DEBORAH DR

11499 DEBORAH DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	MAHRDT Effie	Haines Company, Inc.
	GRANDAGEEI	Haines Company, Inc.
	MAHRDT Effie	Haines Company, Inc.
	GRANDAGEEI	Haines Company, Inc.
1980	Kraynak Frank J	The Cleveland Directory Co.
	Kraynak Frank J	The Cleveland Directory Co.
1967	KRAYNAK FRANK J a	The Cleveland Directory Co.
	KRAYNAK FRANK J a	The Cleveland Directory Co.

11500 DEBORAH DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	DELSANTER Cheryl	Haines Company, Inc.
	DELSANTER Cheryl	Haines Company, Inc.
1980	Seidel Dennis	The Cleveland Directory Co.
	Seidel Dennis	The Cleveland Directory Co.
1967	KULIGOWSKI R H	The Cleveland Directory Co.
	KULIGOWSKI R H	The Cleveland Directory Co.

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

5400 Chevrolet Boulevard

Address Not Listed in Research Source

1983, 1981, 1980, 1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

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

11421 AARON DR

Address Not Listed in Research Source

2002, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11421 AARON DR

2002, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11441 AARON DR

2002, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11441 AARON DR

2002, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11460 AARON DR

1991, 1986, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11460 AARON DR

1991, 1986, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11471 AARON DR

1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11471 AARON DR

1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11491 AARON DR

1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11491 AARON DR

1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11499 DEBORAH DR

2002, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11499 DEBORAH DR

2002, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11500 AARON DR

1991, 1986, 1983, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11500 AARON DR

1991, 1986, 1983, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11500 DEBORAH DR

2002, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

11500 DEBORAH DR

2002, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

FINDINGS

<u>Address Researched</u>	<u>Address Not Listed in Research Source</u>
11520 AARON DR	1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
11520 AARON DR	1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
11540 AARON DR	2002, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
11540 AARON DR	2002, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
11560 AARON DR	1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
11560 AARON DR	1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
11580 AARON DR	1986, 1980, 1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
11580 AARON DR	1986, 1980, 1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
11600 AARON DR	2002, 1999, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
11600 AARON DR	2002, 1999, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5300 CHEVROLET BLVD	1981, 1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5300 CHEVROLET BLVD	1981, 1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5431 CHEVROLET BLVD	1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5431 CHEVROLET BLVD	1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5441 CHEVROLET BLVD	1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5441 CHEVROLET BLVD	1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5461 CHEVROLET BLVD	1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5461 CHEVROLET BLVD	1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5471 CHEVROLET BLVD	1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5471 CHEVROLET BLVD	1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5490 ABRAHAM AVE	2002, 1991, 1986, 1983, 1981, 1980, 1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5490 ABRAHAM AVE	2002, 1991, 1986, 1983, 1981, 1980, 1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5490 ABRAHAM DR	2002, 1999, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930
5490 ABRAHAM DR	2002, 1999, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

FINDINGS

Address Researched

5491 CHEVROLET BLVD

5491 CHEVROLET BLVD

5496 ABRAHAM AVE

5496 ABRAHAM AVE

5496 ABRAHAM DR

5496 ABRAHAM DR

Address Not Listed in Research Source

2002, 1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

2002, 1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

2002, 1991, 1986, 1983, 1981, 1980, 1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

2002, 1991, 1986, 1983, 1981, 1980, 1974, 1973, 1972, 1970, 1967, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

2002, 1999, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

2002, 1999, 1991, 1986, 1983, 1981, 1974, 1973, 1972, 1970, 1962, 1961, 1959, 1955, 1954, 1951, 1949, 1941, 1935, 1930

Topographic Maps

GMPT Parma MLC-1203

5400 Chevrolet Boulevard
Cleveland, OH 44130

Inquiry Number: 2743220.4
April 12, 2010

The EDR Historical Topographic Map Report

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.

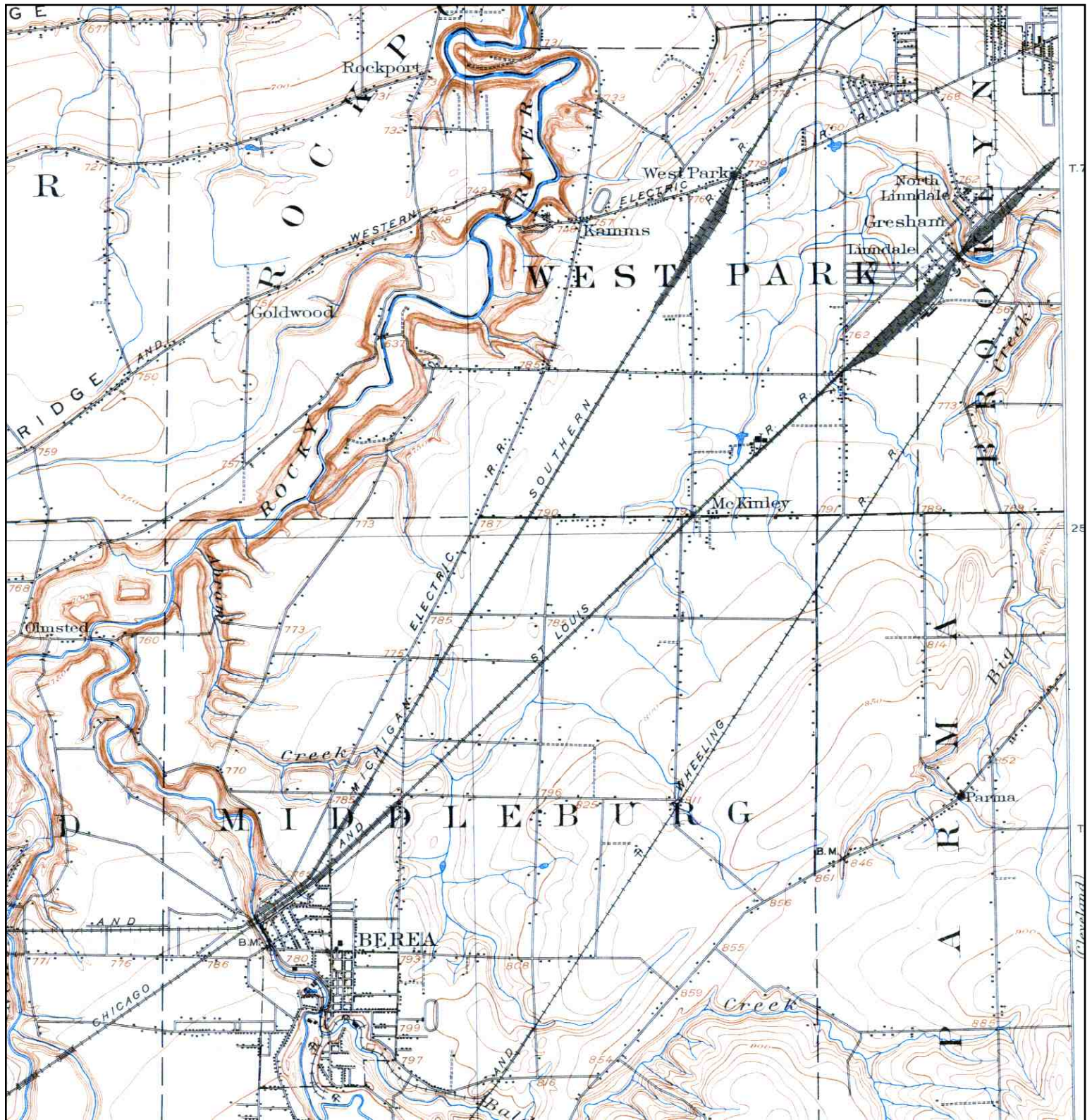
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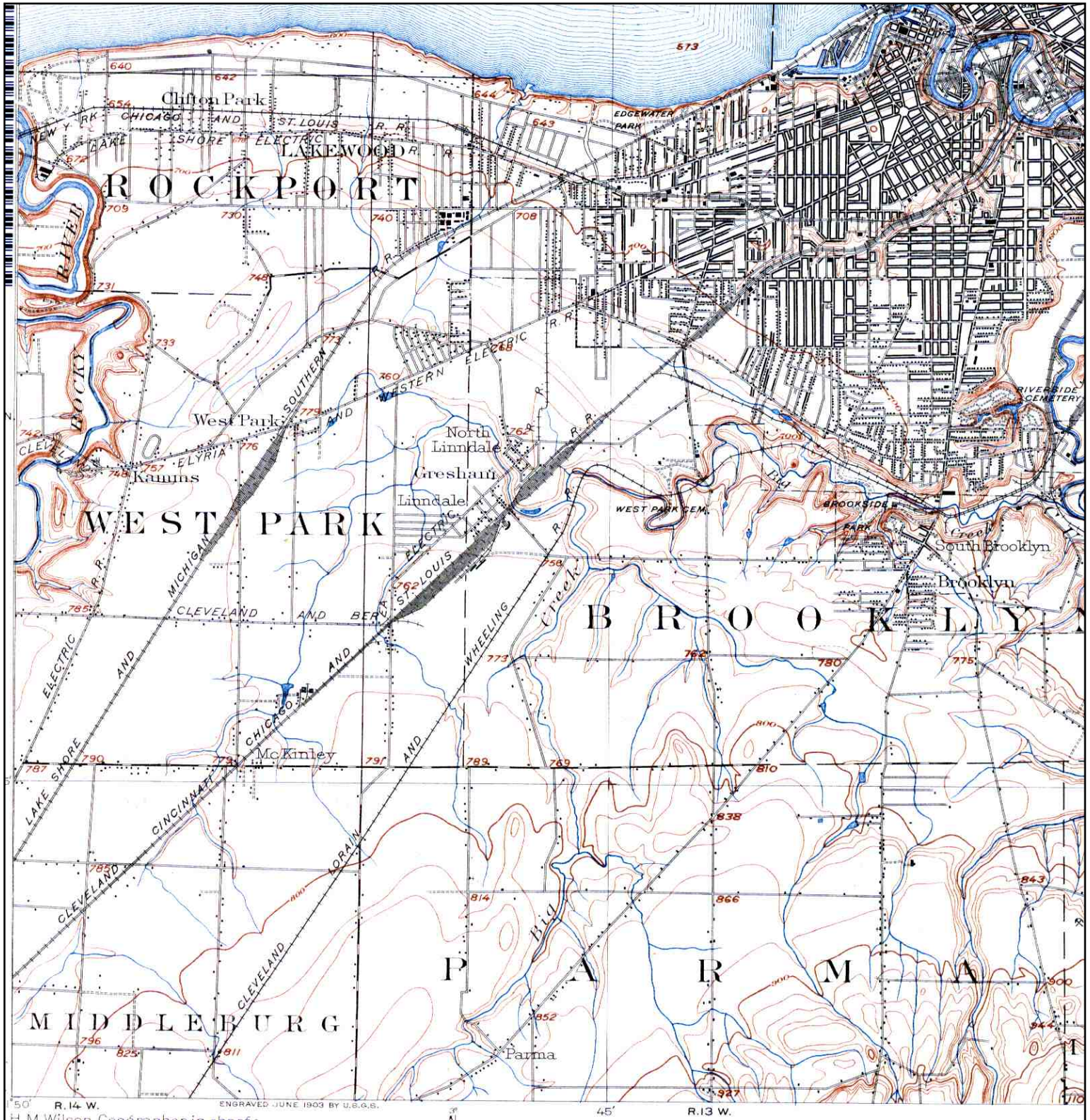
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Historical Topographic Map



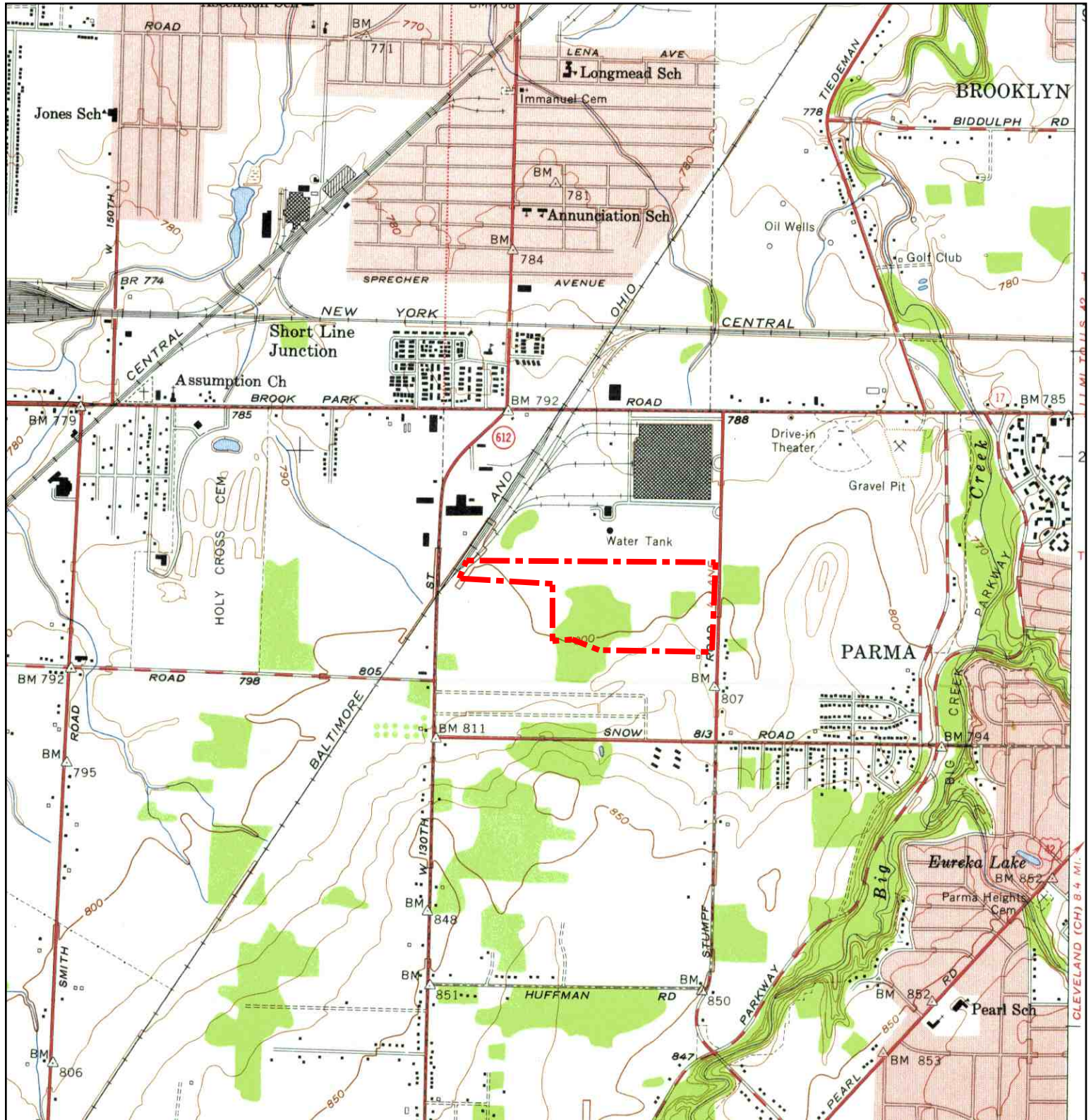
	TARGET QUAD NAME: BERA MAP YEAR: 1904	SITE NAME: GMPT Parma MLC-1203 ADDRESS: 5400 Chevrolet Boulevard Cleveland, OH 44130 LAT/LONG: 41.4116 / 81.77	CLIENT: LFR Inc. CONTACT: Todd Aebie INQUIRY#: 2743220.4 RESEARCH DATE: 04/12/2010
	SERIES: 15 SCALE: 1:62500		

Historical Topographic Map



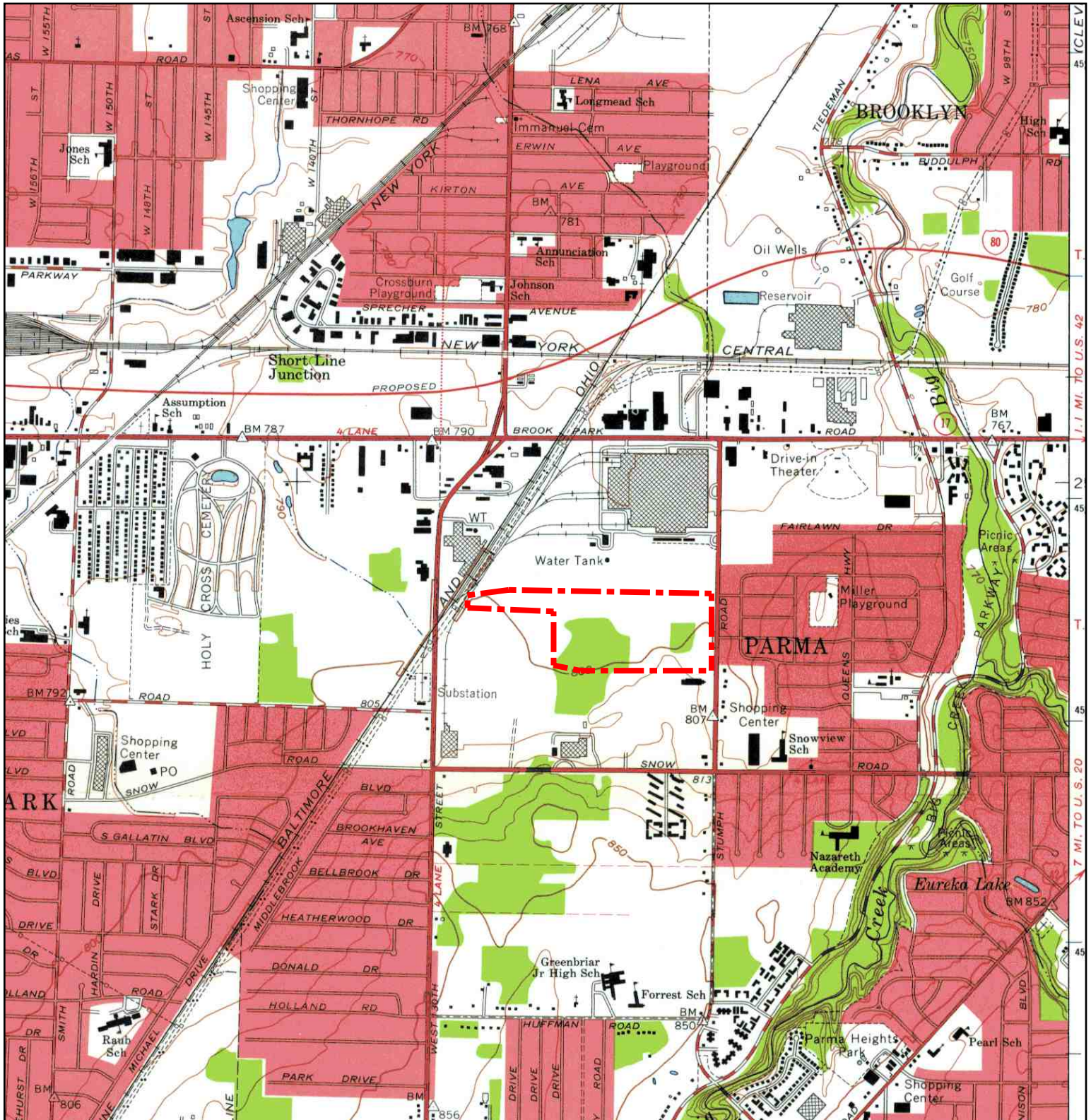
	TARGET QUAD	SITE NAME:	GMPT Parma MLC-1203	CLIENT:	LFR Inc.
	NAME: CLEVELAND VICINITY	ADDRESS:	5400 Chevrolet Boulevard	CONTACT:	Todd Aebie
	MAP YEAR: 1904		Cleveland, OH 44130	INQUIRY#:	2743220.4
		LAT/LONG:	41.4116 / 81.77	RESEARCH DATE:	04/12/2010
	SERIES: 15				
	SCALE: 1:62500				

Historical Topographic Map



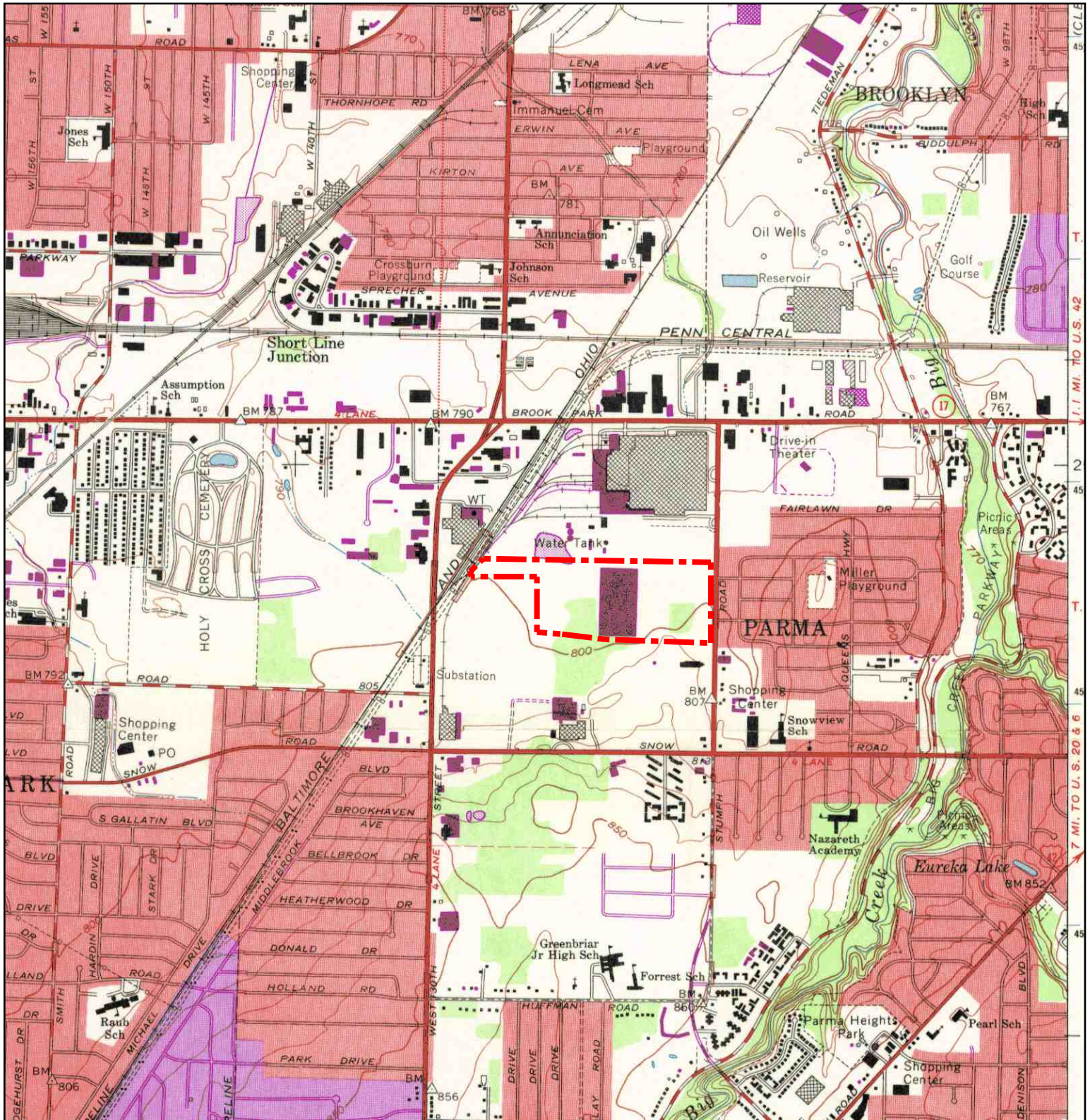
N ↑	TARGET QUAD NAME: LAKEWOOD MAP YEAR: 1953 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GMPT Parma MLC-1203 ADDRESS: 5400 Chevrolet Boulevard Cleveland, OH 44130 LAT/LONG: 41.4116 / 81.77	CLIENT: LFR Inc. CONTACT: Todd Aebie INQUIRY#: 2743220.4 RESEARCH DATE: 04/12/2010
----------------	--	---	---

Historical Topographic Map



N ↑	TARGET QUAD NAME: LAKEWOOD MAP YEAR: 1963 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GMPT Parma MLC-1203 ADDRESS: 5400 Chevrolet Boulevard Cleveland, OH 44130 LAT/LONG: 41.4116 / 81.77	CLIENT: LFR Inc. CONTACT: Todd Aebie INQUIRY#: 2743220.4 RESEARCH DATE: 04/12/2010
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Historical Topographic Map

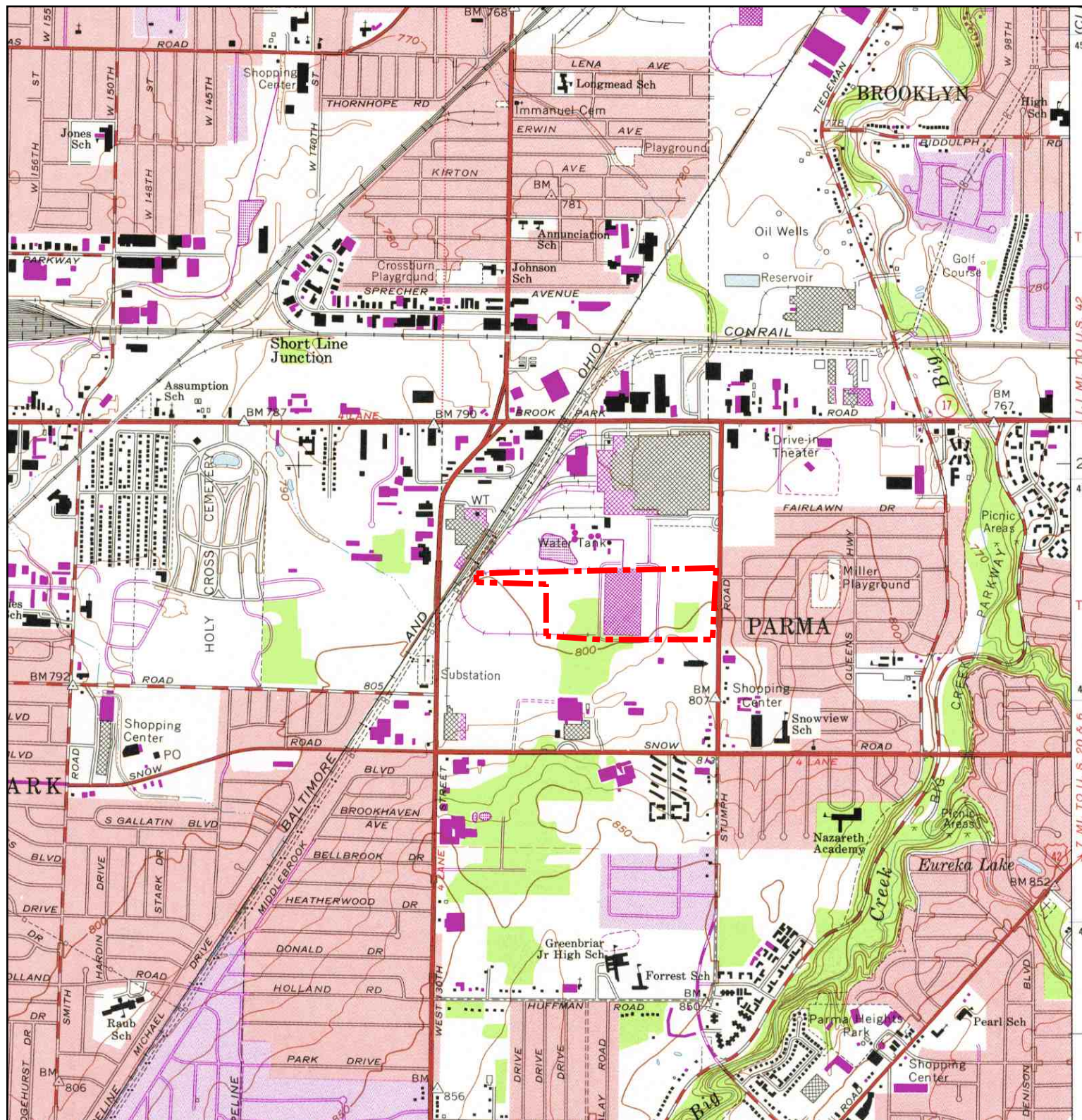


TARGET QUAD
 NAME: LAKEWOOD
 MAP YEAR: 1970
 PHOTOREVISED FROM: 1963
 SERIES: 7.5
 SCALE: 1:24000

SITE NAME: GMPT Parma MLC-1203
 ADDRESS: 5400 Chevrolet Boulevard
 Cleveland, OH 44130
 LAT/LONG: 41.4116 / 81.77

CLIENT: LFR Inc.
 CONTACT: Todd Aebie
 INQUIRY#: 2743220.4
 RESEARCH DATE: 04/12/2010

Historical Topographic Map

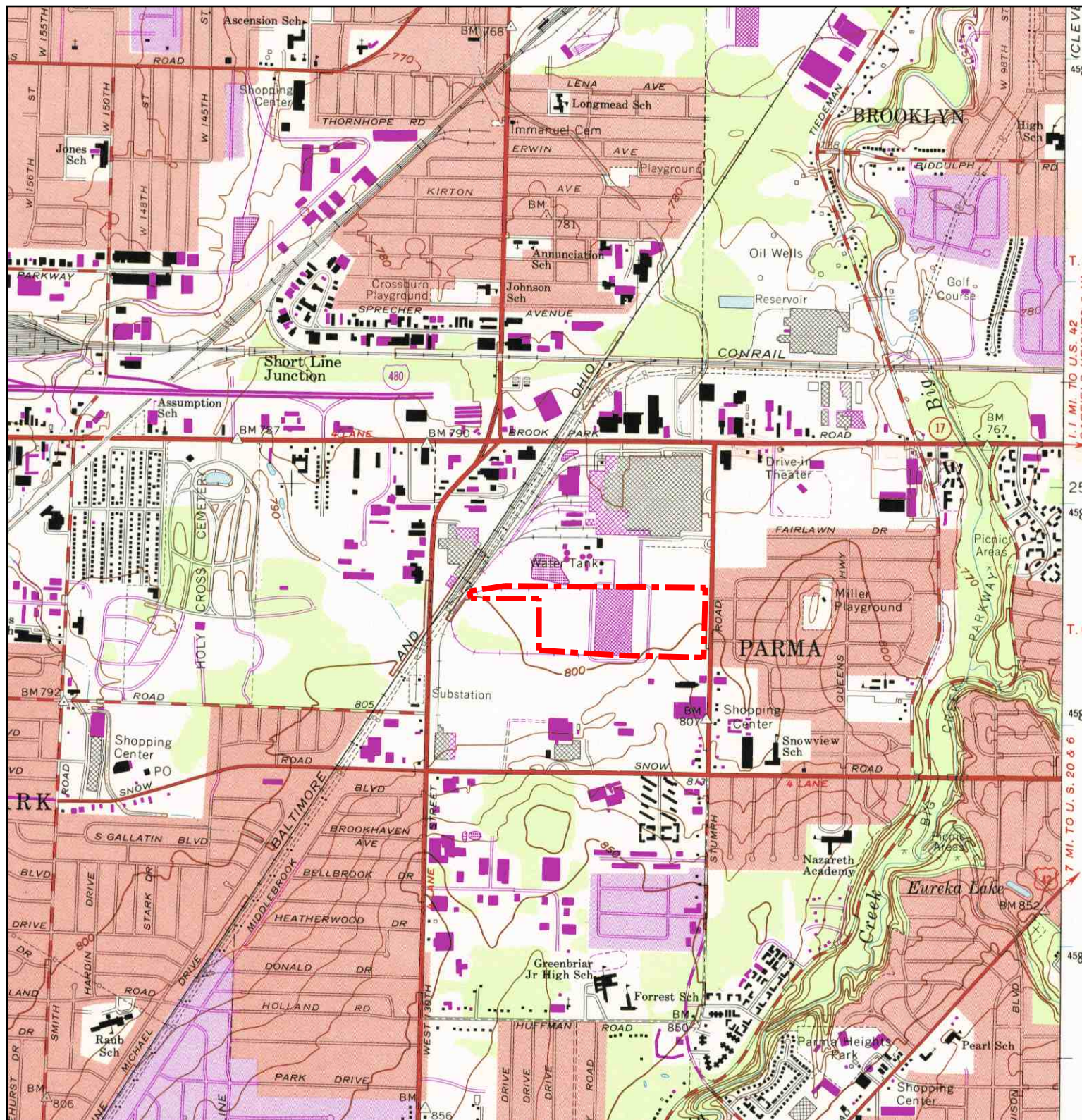


TARGET QUAD
NAME: LAKEWOOD
MAP YEAR: 1979
PHOTOREVISED FROM: 1963
SERIES: 7.5
SCALE: 1:24000

SITE NAME: GMPT Parma MLC-1203
ADDRESS: 5400 Chevrolet Boulevard
Cleveland, OH 44130
LAT/LONG: 41.4116 / 81.77

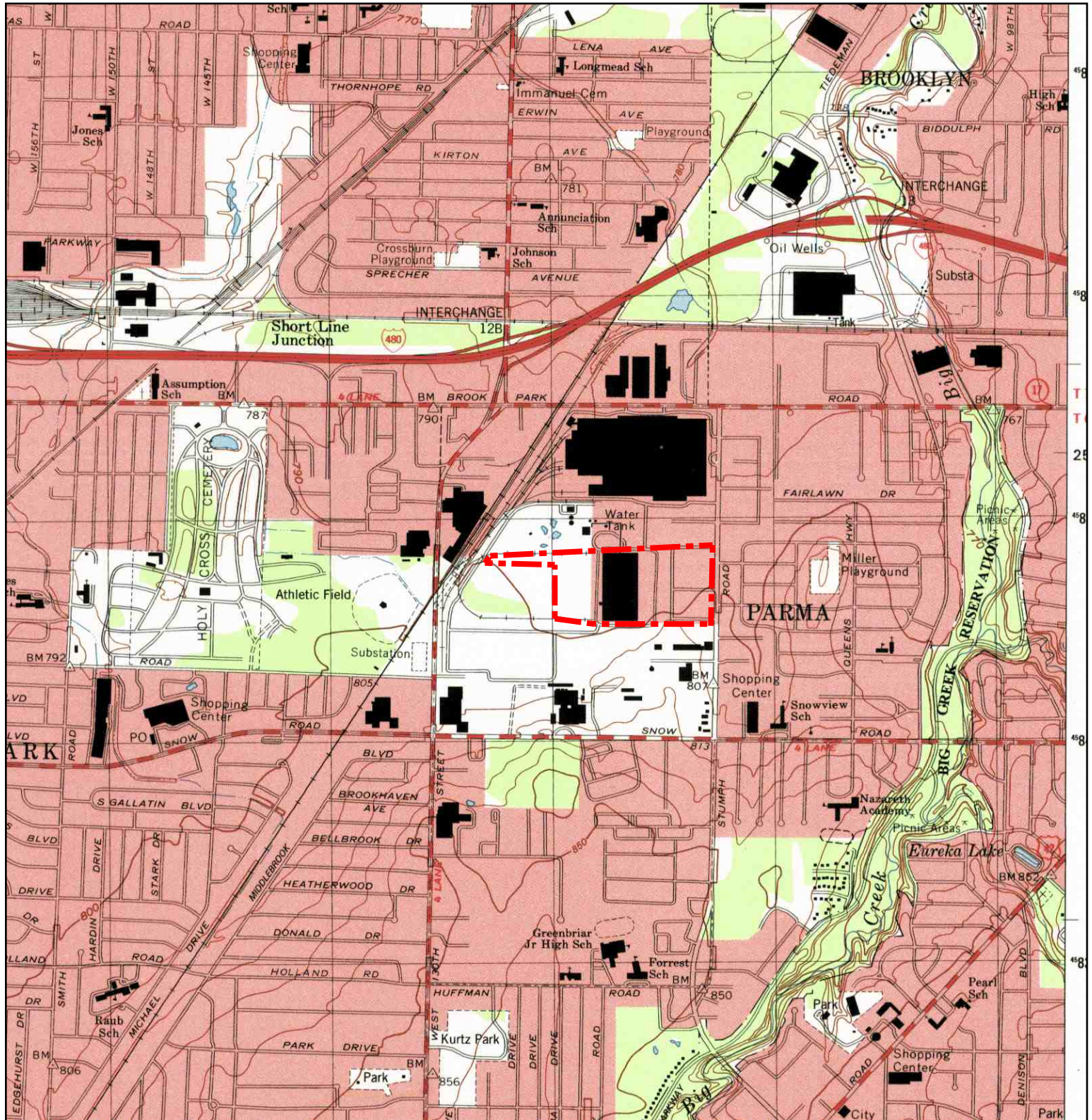
CLIENT: LFR Inc.
CONTACT: Todd Aebie
INQUIRY#: 2743220.4
RESEARCH DATE: 04/12/2010

Historical Topographic Map



N ↑	TARGET QUAD NAME: LAKEWOOD MAP YEAR: 1985 PHOTOREVISED FROM: 1963 SERIES: 7.5 SCALE: 1:24000	SITE NAME: GMPT Parma MLC-1203 ADDRESS: 5400 Chevrolet Boulevard Cleveland, OH 44130 LAT/LONG: 41.4116 / 81.77	CLIENT: LFR Inc. CONTACT: Todd Aebie INQUIRY#: 2743220.4 RESEARCH DATE: 04/12/2010
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Historical Topographic Map



TARGET QUAD
NAME: LAKEWOOD
MAP YEAR: 1994

SERIES: 7.5
SCALE: 1:24000

SITE NAME: GMPT Parma MLC-1203
ADDRESS: 5400 Chevrolet Boulevard
Cleveland, OH 44130
LAT/LONG: 41.4116 / 81.77

CLIENT: LFR Inc.
CONTACT: Todd Aebie
INQUIRY#: 2743220.4
RESEARCH DATE: 04/12/2010

APPENDIX C

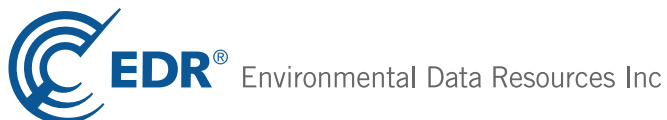
EDR Radius Map Report

GMPT Parma MLC-1203

5400 Chevrolet Boulevard
Cleveland, OH 44130

Inquiry Number: 2743220.2s
April 12, 2010

The EDR Radius Map™ Report with GeoCheck®



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

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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

5400 CHEVROLET BOULEVARD
CLEVELAND, OH 44130

COORDINATES

Latitude (North): 41.411600 - 41° 24' 41.8"
Longitude (West): 81.770000 - 81° 46' 12.0"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 435644.3
UTM Y (Meters): 4584523.5
Elevation: 797 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 41081-D7 LAKEWOOD, OH
Most Recent Revision: 1994

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2005, 2006
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
CPC PARMA PLANT 5400 CHEVROLET BL CPC PARMA PLANT 5400 CHEVROLET BLVD PARMA, OH 44130	ERNS	N/A
GENERAL MOTORS CPC PARMA 5400 CHEVROLET BLVD. PARMA, OH	SPILLS	N/A
CPC PARMA 5400 CHEVROLET BLVD. PARMA, OH	SPILLS	N/A
GENERAL MOTORS PARMA 5400 CHEVROLET BLVD / BROOKPARK RD PARMA, OH	SPILLS	N/A

EXECUTIVE SUMMARY

5400 CHEVROLET BLVD 5400 CHEVROLET BLVD PARMA, OH 44130	ERNS	N/A
GENERAL MOTORS LLC 5400 CHEVROLET BLVD PARMA, OH 44130	RCRA-SQG PADS FINDS LUST FR Status: Inactive FR Status: NFA: No Further Action FR Status: Inactive FR Status: NFA: No Further Action <i>*Additional key fields are available in the Map Findings section</i> Facility Status: Inactive FR Status: NFA: No Further Action Facility Status: Inactive FR Status: NFA: No Further Action <i>*Additional key fields are available in the Map Findings section</i> MANIFEST SPILLS	OHD086663101
5400 CHEVROLET BLVD 5400 CHEVROLET BLVD PARMA, OH	ERNS	N/A
CPC PARMA PLANT 5400 CHEVROLET BL CPC PARMA PLANT 5400 CHEVROLET BLVD PARMA, OH 44130	ERNS	N/A
PLANT LOCATED AT 5400 CHEVROLET B PLANT LOCATED AT 5400 CHEVROLET BLVD. PARMA, OH	ERNS	N/A
5400 CHEVROLET BOULVEARD 5400 CHEVROLET BOULVEARD PARMA, OH	ERNS	N/A
5400 CHEVROLET BLVD 5400 CHEVROLET BLVD PARMA, OH 44130	ERNS	N/A
GENERAL MOTORS CHEVROLET PROD CEN 5400 CHEVROLET BLVD. PARMA, OH	SPILLS	N/A
C-P-C 5400 CHEVROLET BLVD PARMA, OH 44130	UST	N/A
5400 CHEVROLET BLVD 5400 CHEVROLET BLVD PARMA, OH 44130	ERNS	N/A
GENERAL MOTORS PF 5400 CHEVORLET BLVD PARMA, OH	SPILLS	N/A

EXECUTIVE SUMMARY

MFD PARMA PLANT 5400 CHEVEROLET BOULEVARD PARMA, OH 44130	PCB TRANSFORMER	N/A
GENERAL MOTORS PARMA PLANT 5400 CHEVROLET BLVD PARMA, OH 44130	TRIS	44130CHVRL54
PARMA PLANT 5400 CHEVEROLET BOULEVARD PARMA, OH 44130	PCB TRANSFORMER	N/A
GENERAL MOTORS LLC - PARMA PLANT 5400 CHEVROLET BLVD. PARMA, OH 44130	AIRS	N/A
PARMA PLANT 5400 CHEVEROLET BOULEVARD PARMA, OH 44130	PCB TRANSFORMER	N/A
5400 CHEVROLET BLVD 5400 CHEVROLET BLVD CUYAHOGA (County), OH	ERNS	N/A
5400 CHEVROLET BLVD. 5400 CHEVROLET BLVD. PARMA, OH	ERNS	N/A
GENERAL MOTORS 5400 CHEVROLET DR PARMA, OH	SPILLS	N/A
5400 CHEVROLET BLVD 5400 CHEVROLET BLVD PARMA, OH 44130	ERNS	N/A
GENERAL MOTORS 5400 CHEVROLET BLVD PARMA, OH	SPILLS	N/A

EXECUTIVE SUMMARY

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
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 FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
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

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

EXECUTIVE SUMMARY

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
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

EXECUTIVE SUMMARY

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
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
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
TOWNGAS.....	DERR Towngas Database
UIC.....	Underground Injection Wells Listing
DRYCLEANERS.....	Drycleaner Facility Listing
NPDES.....	NPDES General Permit List
USD.....	Urban Setting Designation Sites
HIST USD.....	Urban Setting Designations Database
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
COAL ASH.....	Coal Ash Disposal Site Listing
CRO.....	Cessation of Regulated Operations Facility Listing
COAL ASH DOE.....	Sleam-Electric Plan Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List

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.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

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 12/11/2009 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UCAR CARBON CO INC PARMA TECH	12900 SNOW RD	WSW 1/2 - 1 (0.815 mi.)	32	30
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KIRKWOOD INDUSTRIES INC	4855 WEST 130TH STREET	NNW 1/2 - 1 (0.911 mi.)	34	56

Federal RCRA generators list

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 01/13/2010 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JONES TRANSFER CO	5630 CHEVROLET BLVD	SSE 1/8 - 1/4 (0.194 mi.)	B26	24

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 02/23/2010 has revealed that there are 3 DERR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WELLMAN FRICTION PRODUCTS FORM Activity: VAP	5372 W 130TH ST	W 1/2 - 1 (0.729 mi.)	31	29
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BROOKPARK PLATING CO INC Activity: SA	12208 SPRECHER AVENUE	NNW 1/2 - 1 (0.878 mi.)	33	53
KIRKWOOD INDUSTRIES INC Activity: SA	4855 WEST 130TH STREET	NNW 1/2 - 1 (0.911 mi.)	34	56

EXECUTIVE SUMMARY

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 02/23/2010 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ABF FREIGHT SYSTEM INC FR Status: Inactive FR Status: NFA: No Further Action Facility Status: Inactive FR Status: NFA: No Further Action	5630 CHEVROLET BLVD	SSE 1/8 - 1/4 (0.194 mi.)	B27	25
PARMA SERVICE CENTER FR Status: Inactive FR Status: NFA: No Further Action Facility Status: Inactive FR Status: NFA: No Further Action	5680 CHEVROLET BLVD	S 1/4 - 1/2 (0.296 mi.)	28	27
7-ELEVEN FOOD STORE #56668 FR Status: Inactive FR Status: NFA: No Further Action Facility Status: Inactive FR Status: NFA: No Further Action	11690 SNOW RD	S 1/4 - 1/2 (0.458 mi.)	C29	27
U HAUL CO. FR Status: Inactive FR Status: NFA: No Further Action Facility Status: Inactive FR Status: NFA: No Further Action	5809 STUMPH RD	S 1/4 - 1/2 (0.473 mi.)	C30	29

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 01/13/2010 has revealed that there is 1 RCRA-NonGen site within approximately 0.25 miles of the target property.

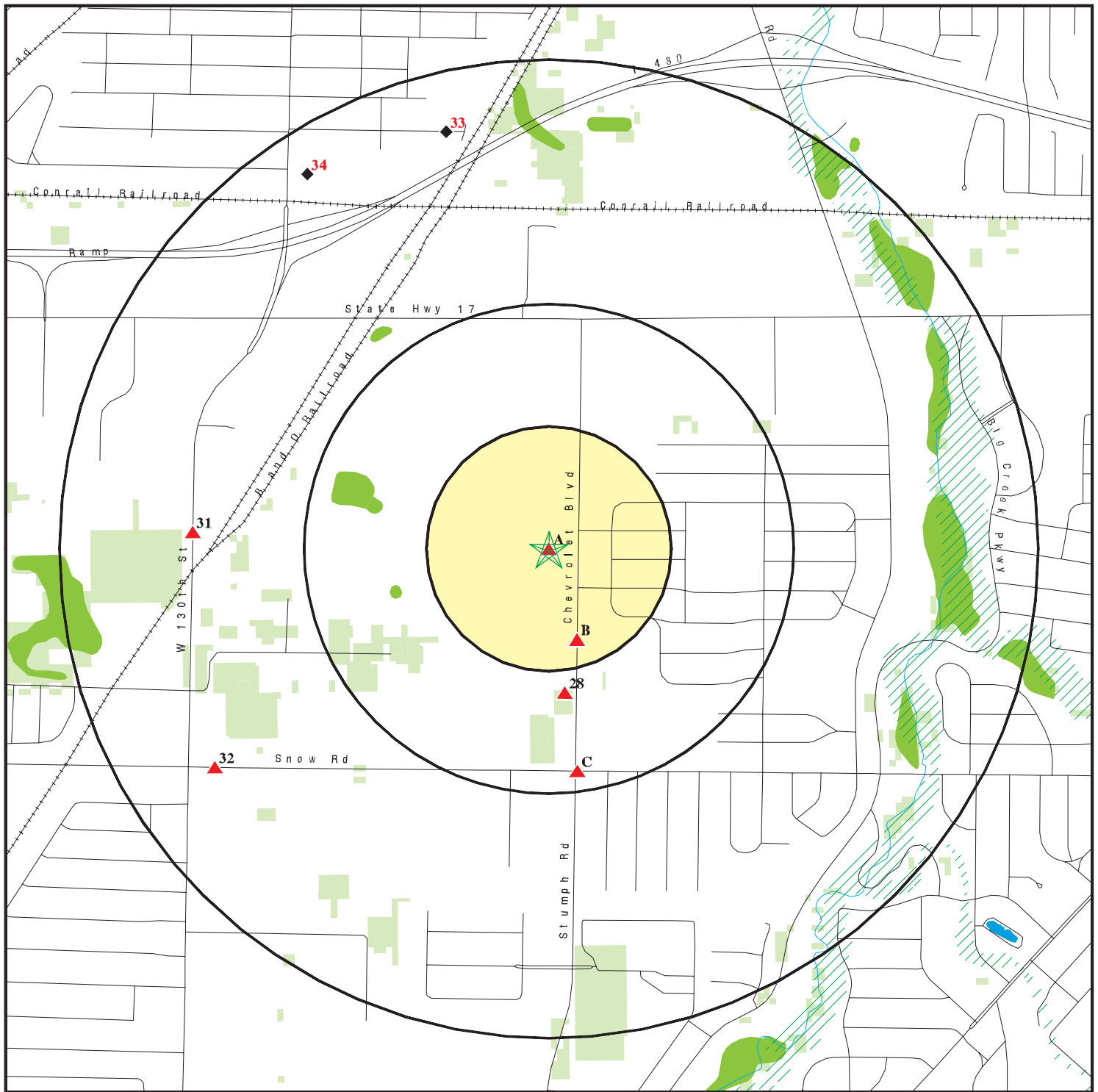
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ABF FREIGHT SYSTEM INC	5630 CHEVROLET BLVD	SSE 1/8 - 1/4 (0.194 mi.)	B27	25

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
10801 MEECH AVE RIDGEWOOD SAN. LDFL AKA PARMA CITY 5600 HENRY FORD BLVD	SWF/LF, NPDES HIST LF RCRA-SQG, TRIS, PADS, FINDS, LUST, UST, MANIFEST, MANIFEST, SPILLS
LTV STEEL NASA LEWIS RESEARCH CENTER NASA LEWIS RESEARCH CENTER CONTINENTAL AIRLINES CLEVELAND HOPKINS AIRPORT FORMER NIKE CL-59 SITE ABF FREIGHT SYSTEM, INC. PARMA SERVICE CENTER PARMA COMMUNITY CITY OF PARMA NS NASA NIKE SITE CL 59, PARMA	LUST, SPILLS LUST, UST LUST, UST LUST, SPILLS RCRA-LQG, LUST, SPILLS LUST UST UST FINDS SPILLS UNREG LTANKS, SPILLS DERR

OVERVIEW MAP - 2743220.2s



★ 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

■ Oil & Gas pipelines

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ State Wetlands

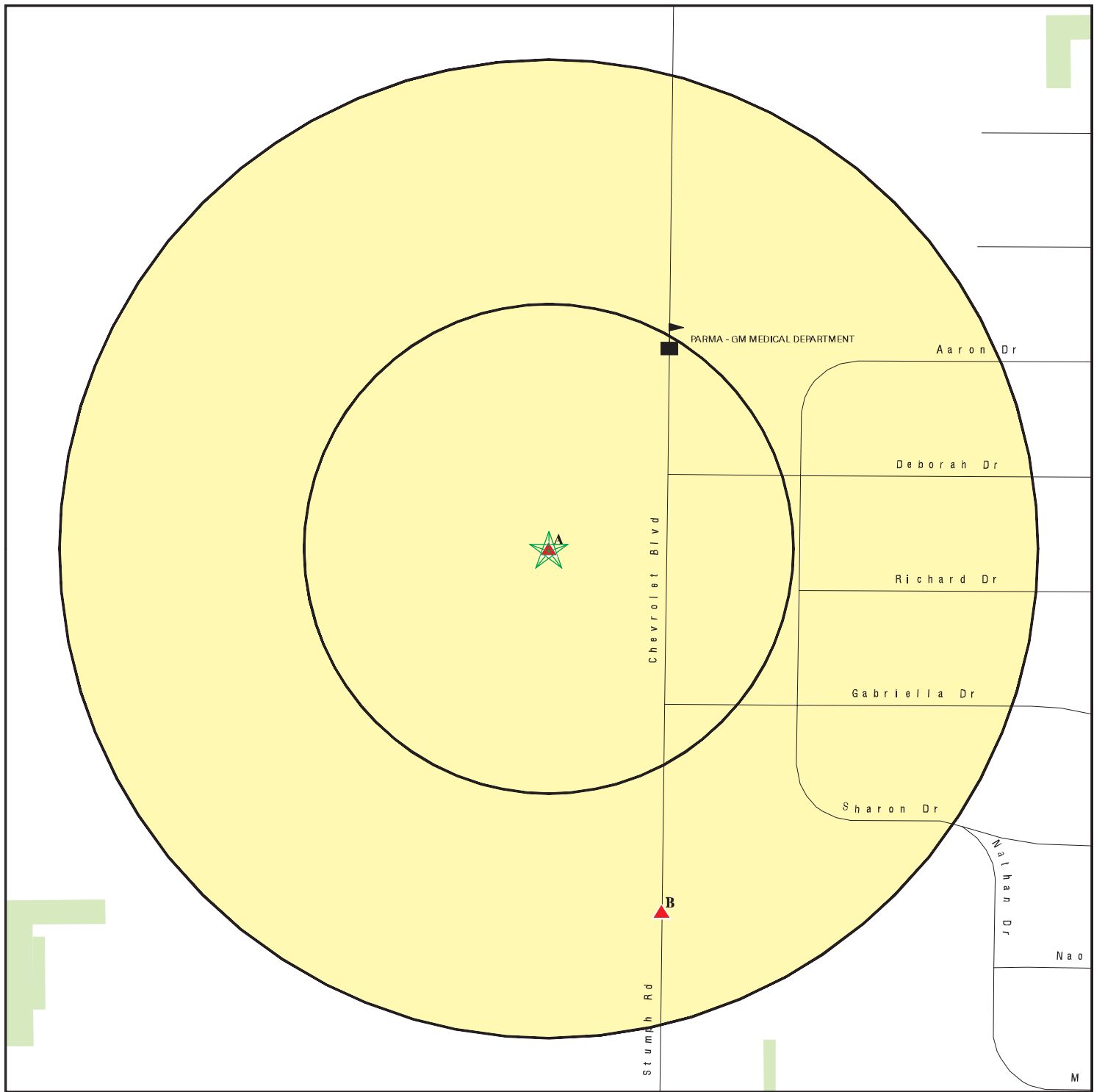
0 1/4 1/2 1 Miles

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: GMPT Parma MLC-1203
ADDRESS: 5400 Chevrolet Boulevard
Cleveland OH 44130
LAT/LONG: 41.4116 / 81.7700

CLIENT: LFR Inc.
CONTACT: Todd Aebie
INQUIRY #: 2743220.2s
DATE: April 12, 2010 2:16 pm

DETAIL MAP - 2743220.2s



- ★ 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
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

0 1/16 1/8 1/4 Miles



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: GMPT Parma MLC-1203
 ADDRESS: 5400 Chevrolet Boulevard
 Cleveland OH 44130
 LAT/LONG: 41.4116 / 81.7700

CLIENT: LFR Inc.
 CONTACT: Todd Aebie
 INQUIRY #: 2743220.2s
 DATE: April 12, 2010 2:17 pm

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								
<i>Federal NPL site list</i>								
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
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	2	NR	2
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG	X	0.250	0	1	NR	NR	NR	1
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	X	TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS		N/A	N/A	N/A	N/A	N/A	N/A	N/A
DERR		1.000	0	0	0	3	NR	3
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	X	0.500	0	1	3	NR	NR	4
UNREG LTANKS		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST	X	0.250	0	0	NR	NR	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
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA 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								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		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	X	TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	1	NR	NR	NR	1
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		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
FUDS		1.000	0	0	0	0	NR	0
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	X	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	X	TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	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	X	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
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
CRO		TP	NR	NR	NR	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER	X	TP	NR	NR	NR	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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property **CPC PARMA PLANT 5400 CHEVROLET BLVD**
CPC PARMA PLANT 5400 CHEVROLET BLVD
PARMA, OH 44130

ERNS **92294437**
N/A

Site 1 of 25 in cluster A

Actual:
797 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A2
Target
Property **GENERAL MOTORS CPC PARMA**
5400 CHEVROLET BLVD.
PARMA, OH

SPILLS **S106334389**
N/A

Site 2 of 25 in cluster A

Actual:
797 ft.

SPILLS:
Spill No.: 9009-18-4524
Spill Year: 1990
Sequential Number: Not reported
Date Spill Reported: 09/20/90
Spill Month: 9
Spill Number: 4524
Reporter Name: CO
Confidential: No
District Code: NE
County Code: 18
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: WASTE WATER

Spill No.: 9010-18-4853
Spill Year: 1990
Sequential Number: Not reported
Date Spill Reported: 10/10/90
Spill Month: 10
Spill Number: 4853
Reporter Name: CO
Confidential: No
District Code: NE
County Code: 18
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: WASTE WATER

A3
Target
Property **CPC PARMA**
5400 CHEVROLET BLVD.
PARMA, OH

SPILLS **S106334655**
N/A

Site 3 of 25 in cluster A

Actual:
797 ft.

SPILLS:
Spill No.: 9012-18-5541
Spill Year: 1990
Sequential Number: Not reported
Date Spill Reported: 12/03/90
Spill Month: 12
Spill Number: 5541
Reporter Name: CO
Confidential: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CPC PARMA (Continued)

S106334655

District Code: NE
County Code: 18
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: INK

A4
Target
Property
GENERAL MOTORS PARMA
5400 CHEVROLET BLVD / BROOKPARK RD
PARMA, OH

SPILLS **S105728276**
N/A

Site 4 of 25 in cluster A

Actual:
797 ft.

SPILLS:
Spill No.: 0108-18-3088
Spill Year: 2001
Sequential Number: Not reported
Date Spill Reported: 08/17/01
Spill Month: 8
Spill Number: 3088
Reporter Name: DIANE PALMER
Confidential: No
District Code: NE
County Code: 18
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: OIL

A5
Target
Property
5400 CHEVROLET BLVD
5400 CHEVROLET BLVD
PARMA, OH 44130

ERNS **92279726**
N/A

Site 5 of 25 in cluster A

Actual:
797 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A6
Target
Property
GENERAL MOTORS LLC
5400 CHEVROLET BLVD
PARMA, OH 44130

RCRA-SQG **1000433564**
PADS **OHD086663101**
FINDS
LUST
MANIFEST
SPILLS

Site 6 of 25 in cluster A

Actual:
797 ft.

RCRA-SQG:
Date form received by agency: 10/27/2009
Facility name: GENERAL MOTORS LLC
Facility address: 5400 CHEVROLET BLVD
PARMA, OH 44130
EPA ID: OHD086663101
Contact: DIANE PALMER
Contact address: 5400 CHEVROLET BLVD
PARMA, OH 44130
Contact country: US
Contact telephone: (216) 265-5391
Contact email: DIANE.PALMER@GM.COM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1000433564

EPA Region: 05
Land type: Private
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: MOTORS LIQUIDATION CO (FKA G M CORP)
Owner/operator address: 100 RENAISSANCE CENTER
DETROIT, MI 48625
Owner/operator country: US
Owner/operator telephone: (214) 906-2146
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1948
Owner/Op end date: Not reported

Owner/operator name: GENERAL MOTORS LLC
Owner/operator address: 300 RENAISSANCE CENTER
DETROIT, MI 48625
Owner/operator country: US
Owner/operator telephone: (313) 556-5000
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/10/2009
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
Used 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: Verified to be non-commercial

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1000433564

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 10/08/2009
Facility name: GENERAL MOTORS LLC
Site name: GENERAL MOTORS COMPANY
Classification: Small Quantity Generator

Date form received by agency: 03/27/2001
Facility name: GENERAL MOTORS LLC
Site name: GENERAL MOTORS PARMA PLANT
Classification: Small Quantity Generator

Date form received by agency: 11/08/1999
Facility name: GENERAL MOTORS LLC
Site name: GENERAL MOTORS PARMA PLANT
Classification: Small Quantity Generator

Date form received by agency: 01/24/1994
Facility name: GENERAL MOTORS LLC
Site name: GENERAL MOTORS CORPORATION PARMA PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/11/1992
Facility name: GENERAL MOTORS LLC
Site name: GMC CHEVROLET-PONTIAC-CANADA GROUP
Classification: Large Quantity Generator

Date form received by agency: 01/30/1990
Facility name: GENERAL MOTORS LLC
Site name: GMC CHEVROLET-PONTIAC-CANADA GROUP
Classification: Large Quantity Generator

Date form received by agency: 11/18/1980
Facility name: GENERAL MOTORS LLC
Site name: GENERAL MOTORS PARMA PLANT
Classification: Not a generator, verified

Date form received by agency: 01/01/1979
Facility name: GENERAL MOTORS LLC
Site name: GENERAL MOTORS PARMA PLANT
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 PENSKEY-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

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1000433564

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: D007

Waste name: CHROMIUM

Waste code: D008

Waste name: LEAD

Waste code: D009

Waste name: MERCURY

Waste code: D018

Waste name: BENZENE

Waste code: D022

Waste name: CHLOROFORM

Waste code: D035

Waste name: METHYL ETHYL KETONE

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: 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.

Corrective Action Summary:

Event date: 07/01/2006

Event: CA001

Violation Status: No violations found

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1000433564

Evaluation Action Summary:

Evaluation date: 03/18/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110009424257

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.

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.

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.

LUST:

Release Number: 18000218-N00001
Release Date: 1/20/1999
Facility Status: Inactive

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1000433564

LTF Status: 1 SUS/CON from regulated UST
FR Status: NFA: No Further Action
Priority: 2
Review Date: 8/31/2000 9:04

Release Number: 18000218-N00002
Release Date: 2/2/1992
Facility Status: Inactive
LTF Status: 6 Closure of regulated UST
FR Status: NFA: No Further Action
Priority: Not reported
Review Date: 8/23/1994 0:00

Release Number: 18000218-N00003
Release Date: 1/3/1992
Facility Status: Inactive
LTF Status: 6 Closure of regulated UST
FR Status: NFA: No Further Action
Priority: 2
Review Date: 8/23/1994 0:00

Release Number: 18000218-N00004
Release Date: 1/31/1992
Facility Status: Inactive
LTF Status: 6 Closure of regulated UST
FR Status: NFA: No Further Action
Priority: 2
Review Date: 8/23/1994 0:00

Release Number: 18000218-N00005
Release Date: 1/31/1992
Facility Status: Inactive
LTF Status: 6 Closure of regulated UST
FR Status: NFA: No Further Action
Priority: 2
Review Date: 8/23/1994 0:00

Release Number: 18000218-N00006
Release Date: 1/20/1999
Facility Status: Inactive
LTF Status: 1 SUS/CON from regulated UST
FR Status: NFA: No Further Action
Priority: 2
Review Date: 8/23/1994 0:00

NY MANIFEST:

EPA ID: OHD086663101
Country: USA
Mailing Name: GENRAL MOTORS PACMA MFD
Mailing Contact: DAN ISKRA
Mailing Address: 5400 CHEVROLET BLVD
Mailing Address 2: Not reported
Mailing City: CLEVELAND
Mailing State: OH
Mailing Zip: 44130
Mailing Zip4: Not reported
Mailing Country: USA

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1000433564

Mailing Phone: 216-265-5391

Document ID: NYB9552897
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 12/03/2002
Trans1 Recv Date: 12/03/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/06/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: OHD086663101
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: 0629944ME
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00120
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: 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

SPILLS:

Spill No.: 9909-18-3451
Spill Year: 1999
Sequential Number: Not reported
Date Spill Reported: 09/24/99
Spill Month: 9
Spill Number: 3451
Reporter Name: DIANE PALMER
Confidential: No
District Code: NE
County Code: 18
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: SHEEN

Spill No.: 0102-18-0422
Spill Year: 2001
Sequential Number: Not reported
Date Spill Reported: 02/08/01

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1000433564

Spill Month: 2
Spill Number: 0422
Reporter Name: DIANE PALMER
Confidential: No
District Code: NE
County Code: 18
Employee Number: 1753
Lat/Long: 4124799 / 08147000
Product Spilled Name: SHEEN

A7
Target
Property

5400 CHEVROLET BLVD
5400 CHEVROLET BLVD
PARMA, OH

ERNS **91219785**
N/A

Site 7 of 25 in cluster A

Actual:
797 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A8
Target
Property

CPC PARMA PLANT 5400 CHEVROLET BLVD
CPC PARMA PLANT 5400 CHEVROLET BLVD
PARMA, OH 44130

ERNS **92279156**
N/A

Site 8 of 25 in cluster A

Actual:
797 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A9
Target
Property

PLANT LOCATED AT 5400 CHEVROLET BLVD.
PLANT LOCATED AT 5400 CHEVROLET BLVD.
PARMA, OH

ERNS **89119562**
N/A

Site 9 of 25 in cluster A

Actual:
797 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A10
Target
Property

5400 CHEVROLET BOULVEARD
5400 CHEVROLET BOULVEARD
PARMA, OH

ERNS **89104703**
N/A

Site 10 of 25 in cluster A

Actual:
797 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A11
Target
Property

5400 CHEVROLET BLVD
5400 CHEVROLET BLVD
PARMA, OH 44130

ERNS **2001558952**
N/A

Site 11 of 25 in cluster A

Actual:
797 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A12
Target
Property

GENERAL MOTORS CHEVROLET PROD CENTER
5400 CHEVROLET BLVD.
PARMA, OH

SPILLS **S106333483**
N/A

Site 12 of 25 in cluster A

Actual:
797 ft.

SPILLS:
Spill No.: 9001-18-0186
Spill Year: 1990
Sequential Number: Not reported
Date Spill Reported: 01/15/90
Spill Month: 1
Spill Number: 0186
Reporter Name: COMPANY
Confidential: No
District Code: NE
County Code: 18
Employee Number: 1745
Lat/Long: Not reported
Product Spilled Name: OIL
Product Spilled Name: LETTER ATTACHED FROM COMPANY

A13
Target
Property

C-P-C
5400 CHEVROLET BLVD
PARMA, OH 44130

UST **U004086486**
N/A

Site 13 of 25 in cluster A

Actual:
797 ft.

Facility:
Facility ID: 18000218
Inspection:
Facility Id: 18000218
Inspection Id: 12/4/97
Code: 504
Permit Number: P00001
Inspection Type: Final
Facility Id: 18000218
Inspection Id: 12/29/98
Code: 504
Permit Number: P00003
Inspection Type: Final
Facility Id: 18000218
Inspection Id: 4/29/99
Code: 103
Permit Number: P00004
Inspection Type: Final

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C-P-C (Continued)

U004086486

Facility Id: 18000218
Inspection Id: 5/13/98
Code: 504
Permit Number: P00002
Inspection Type: Final

Permit:

Facility Id: 18000218
Permit Id: P00001
Permit Status: Expired
Issued Date: 12/4/1997
Lfd Permit Id: Not reported

Facility Id: 18000218
Permit Id: P00002
Permit Status: Expired
Issued Date: 6/29/1998
Lfd Permit Id: Not reported

Facility Id: 18000218
Permit Id: P00004
Permit Status: Expired
Issued Date: 11/22/1999
Lfd Permit Id: Not reported

Facility Id: 18000218
Permit Id: P00003
Permit Status: Expired
Issued Date: 1/22/1999
Lfd Permit Id: Not reported

UST:

Tank ID: T00001
Tank Status: REM
Tank Type: Fiberglass Reinforced Plastic
Capacity: 6000
Content: Gasoline
CAS #: 8006-61-9
Regulated: Yes
Overfill Device Installed: No
Spill Device Installed: No
AST/UST: UST
Installation Date: 10/1/1986
Date Removed: 4/29/1999
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;Cathodically Protecte
Piping Type: Not reported
Release Detection on Piping: Not reported

Tank ID: T00002
Tank Status: REM
Tank Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C-P-C (Continued)

U004086486

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: 10/28/1991
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: Not Marked on Form
Piping Type: Not reported
Release Detection on Piping: Not reported

Tank ID: T00003
Tank Status: REM
Tank Type: Other
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: 10/28/1991
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: Not Marked on Form
Piping Type: Not reported
Release Detection on Piping: Not reported

Tank ID: T00004
Tank Status: REM
Tank Type: Other
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: 10/28/1991
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: Not Marked on Form

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C-P-C (Continued)

U004086486

Piping Type: Not reported
Release Detection on Piping: Not reported

Tank ID: T00005
Tank Status: REM
Tank Type: Other
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: 10/28/1991
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: Not Marked on Form
Piping Type: Not reported
Release Detection on Piping: Not reported

A14 5400 CHEVEROLET BLVD
Target 5400 CHEVEROLET BLVD
Property PARMA, OH 44130

ERNS 2008891502
N/A

Site 14 of 25 in cluster A

Actual:
797 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A15 GENERAL MOTORS PF
Target 5400 CHEVORLET BLVD
Property PARMA, OH

SPILLS S109350411
N/A

Site 15 of 25 in cluster A

Actual:
797 ft.

SPILLS:
Spill No.: 0812-18-4521
Spill Year: 2008
Sequential Number: Not reported
Date Spill Reported: 12/2/2008 00:00:00
Spill Month: 12
Spill Number: 4521
Reporter Name: DIANNE PALMER
Confidential: No
District Code: NE
County Code: 18
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: GASOLINE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A16
Target
Property **MFD PARMA PLANT**
5400 CHEVEROLET BOULEVARD
PARMA, OH 44130

PCB TRANSFORMER **1011964592**
N/A

Site 16 of 25 in cluster A

Actual:
797 ft.

PCB TRANSFORMER:
Company name: General Motors Corporation, MFD Parma Plant
Company address: 5400 Cheverolet Boulevard
Parma, OH 44130
Contact: Diane Palmer
Contact phone: 216-265-5391
Transformer location ID: 1090
Transformer box number: 1
Record ID: 1352
Document ID: 00323
Number of transformers: 20
Weight lbs: Not reported
Weight kgs: 200336
Flammable: Unknown
Office region: 5
Officer title: Plant Manager
Officer name: Robert L. Lintz
Date assigned: 12/18/1998

A17
Target
Property **GENERAL MOTORS PARMA PLANT**
5400 CHEVROLET BLVD
PARMA, OH 44130

TRIS **1005448867**
44130CHVRL54

Site 17 of 25 in cluster A

Actual:
797 ft.

A18
Target
Property **PARMA PLANT**
5400 CHEVEROLET BOULEVARD
PARMA, OH 44130

PCB TRANSFORMER **1011968557**
N/A

Site 18 of 25 in cluster A

Actual:
797 ft.

PCB TRANSFORMER:
Company name: General Motors Corporation, Parma Plant
Company address: 5400 Cheverolet Boulevard
Parma, OH 44130
Contact: Diane Palmer
Contact phone: 216-265-5391
Transformer location ID: 1090
Transformer box number: 1
Record ID: 5895
Document ID: 01401
Number of transformers: 0
Weight lbs: 0
Weight kgs: 0
Flammable: N
Office region: 5
Officer title: Plant Manager
Officer name: Bruce A. Pierson
Date assigned: 2/10/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A19
Target
Property

GENERAL MOTORS LLC - PARMA PLANT
5400 CHEVROLET BLVD.
PARMA, OH 44130

AIRS **S108318800**
N/A

Site 19 of 25 in cluster A

Actual:
797 ft.

AIRS:
Facility Id: 1318451029
Permit Classification: tv
Emission Units Meeting Def of Trivial Outlined in EngGuide62: 0
Insignificant Emission Units: 50
Significant Emission Units: 4
Contact First Name: Diane
Contact Last Name: Palmer
Mailing Address 1: 5400 Chevrolet Blvd.
Mailing Address 2: Not reported
Mailing City: Parma
Mailing Zip Code: 44130
Mailing State: OH
Contact Phone: 2162655391

A20
Target
Property

PARMA PLANT
5400 CHEVEROLET BOULEVARD
PARMA, OH 44130

PCB TRANSFORMER **1011964869**
N/A

Site 20 of 25 in cluster A

Actual:
797 ft.

PCB TRANSFORMER:
Company name: General Motors Corporation, Parma Plant
Company address: 5400 Cheverolet Boulevard
Parma, OH 44130
Contact: Diane Palmer
Contact phone: 216-265-5391
Transformer location ID: 1090
Transformer box number: 1
Record ID: 5895
Document ID: 01401
Number of transformers: 0
Weight lbs: 0
Weight kgs: 0
Flammable: N
Office region: 5
Officer title: Plant Manager
Officer name: Bruce A. Pierson
Date assigned: 2/10/2006

A21
Target
Property

5400 CHEVROLET BLVD
5400 CHEVROLET BLVD
CUYAHOGA (County), OH

ERNS **89109316**
N/A

Site 21 of 25 in cluster A

Actual:
797 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A22
Target
Property

5400 CHEVROLET BLVD.
5400 CHEVROLET BLVD.
PARMA, OH

ERNS **90187709**
N/A

Site 22 of 25 in cluster A

Actual:
797 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A23
Target
Property

GENERAL MOTORS
5400 CHEVROLET DR
PARMA, OH

SPILLS **S105838960**
N/A

Site 23 of 25 in cluster A

Actual:
797 ft.

SPILLS:
Spill No.: 0006-18-2069
Spill Year: 2000
Sequential Number: Not reported
Date Spill Reported: 06/05/00
Spill Month: 6
Spill Number: 2069
Reporter Name: DIANE PALMER
Confidential: No
District Code: NE
County Code: 18
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: WASTE WATER

A24
Target
Property

5400 CHEVROLET BLVD
5400 CHEVROLET BLVD
PARMA, OH 44130

ERNS **92274336**
N/A

Site 24 of 25 in cluster A

Actual:
797 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A25
Target
Property

GENERAL MOTORS
5400 CHEVROLET BLVD
PARMA, OH

SPILLS **S100645870**
N/A

Site 25 of 25 in cluster A

Actual:
797 ft.

SPILLS:
Spill No.: 8408-18-2524
Spill Year: 1984
Sequential Number: Not reported
Date Spill Reported: 08/15/84
Spill Month: 8
Spill Number: 2524
Reporter Name: COMPANY
Confidential: No
District Code: NE
County Code: 18
Employee Number: Not reported
Lat/Long: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS (Continued)

S100645870

Product Spilled Name: PCB

Spill No.: 8802-18-0293
Spill Year: 1988
Sequential Number: Not reported
Date Spill Reported: 02/01/88
Spill Month: 2
Spill Number: 0293
Reporter Name: COMPANY
Confidential: No
District Code: NE
County Code: 18
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: KEROSENE

Spill No.: 8909-18-3511
Spill Year: 1989
Sequential Number: Not reported
Date Spill Reported: 09/08/89
Spill Month: 9
Spill Number: 3511
Reporter Name: COMPANY
Confidential: No
District Code: NE
County Code: 18
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: WASTE WATER

Spill No.: 8911-18-4362
Spill Year: 1989
Sequential Number: Not reported
Date Spill Reported: 11/13/89
Spill Month: 11
Spill Number: 4362
Reporter Name: COMPANY
Confidential: No
District Code: NE
County Code: 18
Employee Number: Not reported
Lat/Long: Not reported
Product Spilled Name: OIL
Product Spilled Name: GREASE
Product Spilled Name: WASTE WATER

Spill No.: 8905-18-1752
Spill Year: 1989
Sequential Number: Not reported
Date Spill Reported: 05/18/89
Spill Month: 5
Spill Number: 1752
Reporter Name: COMPANY
Confidential: No
District Code: NE
County Code: 18
Employee Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS (Continued)

S100645870

Lat/Long: Not reported
Product Spilled Name: PAINT THINNER

[Click this hyperlink](#) while viewing on your computer to access
18 additional OH SPILL: record(s) in the EDR Site Report.

B26
SSE
1/8-1/4
0.194 mi.
1025 ft.

JONES TRANSFER CO
5630 CHEVROLET BLVD
PARMA, OH 44129

RCRA-SQG **1000221679**
FINDS **OHD042709063**

Site 1 of 2 in cluster B

Relative:
Higher

RCRA-SQG:

Date form received by agency: 09/25/1986

Facility name: JONES TRANSFER CO

Facility address: 5630 CHEVROLET BLVD
PARMA, OH 44129

EPA ID: OHD042709063

Contact: TERRY HAYES

Contact address: 5630 CHEVROLET BLVD
PARMA, OH 44129

Contact country: US

Contact telephone: (216) 842-7600

Contact email: Not reported

EPA Region: 05

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: JONES TRANSFER CO
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: No

Mixed waste (haz. and radioactive): Unknown

Recycler of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JONES TRANSFER CO (Continued)

1000221679

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: Verified to be non-commercial

Hazardous Waste Summary:

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 PENSKEY-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: X001
Waste name: WASTE OILS

Violation Status: No violations found

FINDS:

Registry ID: 110004609923

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.

B27
SSE
1/8-1/4
0.194 mi.
1025 ft.

ABF FREIGHT SYSTEM INC
5630 CHEVROLET BLVD
CLEVELAND, OH 44130
Site 2 of 2 in cluster B

RCRA-NonGen
FINDS
LUST
1000990795
OHR000001057

Relative:
Higher

RCRA-NonGen:
Date form received by agency: 04/18/1995
Facility name: ABF FREIGHT SYSTEM INC
Facility address: 5630 CHEVROLET BLVD
CLEVELAND, OH 44130
EPA ID: OHR000001057
Contact: LANA MCLAIN

Actual:
804 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ABF FREIGHT SYSTEM INC (Continued)

1000990795

Contact address: P O BOX 10048
FT SMITH, AR 72917
Contact country: US
Contact telephone: (501) 785-6332
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: ABF FREIGHT SYSTEM INC
Owner/operator address: P O BOX 10048
FT SMITH, AR 72917
Owner/operator country: Not reported
Owner/operator telephone: (501) 785-6000
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: No
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: 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: Verified to be non-commercial

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 PENSKEY-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.

Violation Status: No violations found

FINDS:

Registry ID: 110009626805

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ABF FREIGHT SYSTEM INC (Continued)

1000990795

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.

LUST:

Release Number: 18001322-N00001

Release Date: 12/27/1995

Facility Status: Inactive

LTF Status: 1 SUS/CON from regulated UST

FR Status: NFA: No Further Action

Priority: 2

Review Date: 5/14/1996 0:00

28
South
1/4-1/2
0.296 mi.
1561 ft.

PARMA SERVICE CENTER
5680 CHEVOLET BLVD
PARMA, OH 44130

LUST S104775753
N/A

Relative:
Higher

LUST:

Release Number: 18009524-N00001

Release Date: 3/6/2000

Facility Status: Inactive

LTF Status: 6 Closure of regulated UST

FR Status: NFA: No Further Action

Priority: 3

Review Date: 7/6/2000 0:00

Actual:
808 ft.

C29
South
1/4-1/2
0.458 mi.
2417 ft.

7-ELEVEN FOOD STORE #56668
11690 SNOW RD
PARMA, OH 44130
Site 1 of 2 in cluster C

LUST U000890588
UST N/A

Relative:
Higher

LUST:

Release Number: 18001695-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 0:00

Actual:
813 ft.

Facility:

Facility ID: 18001695

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7-ELEVEN FOOD STORE #56668 (Continued)

U000890588

UST:

Tank ID: T00001
Tank Status: **Currently In Use**
Tank Type: SW - FRP - Fiberglass
Capacity: 10000
Content: Gasoline
CAS #: 8006-61-9
Regulated: Yes
Overfill Device Installed: Yes
Spill Device Installed: Yes
AST/UST: UST
Installation Date: 12/1/1990
Date Removed: Not reported
Date Last Used: Not reported
Date Abandoned/Closed: Not reported
Corrosion Protection Tank: None Required
Release Detection on Tank: Automatic Tank Gauging
Corrosion Protection Piping: None Required
Piping Material: DW FRP - Fiberglass
Piping Type: Pressure
Release Detection on Piping: Mechanical Line Leak Detector

Tank ID: T00002
Tank Status: **Currently In Use**
Tank Type: SW - FRP - Fiberglass
Capacity: 10000
Content: Gasoline
CAS #: 8006-61-9
Regulated: Yes
Overfill Device Installed: Yes
Spill Device Installed: Yes
AST/UST: UST
Installation Date: 12/1/1990
Date Removed: Not reported
Date Last Used: Not reported
Date Abandoned/Closed: Not reported
Corrosion Protection Tank: None Required
Release Detection on Tank: Automatic Tank Gauging
Corrosion Protection Piping: None Required
Piping Material: DW FRP - Fiberglass
Piping Type: Pressure
Release Detection on Piping: Mechanical Line Leak Detector

Tank ID: T00003
Tank Status: **Currently In Use**
Tank Type: SW - FRP - Fiberglass
Capacity: 4000
Content: Kerosene
CAS #: 8008-20-6
Regulated: Yes
Overfill Device Installed: Yes
Spill Device Installed: Yes
AST/UST: UST
Installation Date: 12/1/1990
Date Removed: Not reported
Date Last Used: Not reported
Date Abandoned/Closed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7-ELEVEN FOOD STORE #56668 (Continued)

U000890588

Corrosion Protection Tank: None Required
Release Detection on Tank: Automatic Tank Gauging
Corrosion Protection Piping: None Required
Piping Material: DW FRP - Fiberglass
Piping Type: Pressure
Release Detection on Piping: Mechanical Line Leak Detector

C30
South
1/4-1/2
0.473 mi.
2498 ft.

U HAUL CO.
5809 STUMPH RD
CLEVELAND, OH 44130

LUST **S104775318**
N/A

Site 2 of 2 in cluster C

Relative:
Higher

LUST:

Release Number: 18000530-N00001
Release Date: 7/9/1997

Actual:
815 ft.

Facility Status: Inactive
LTF Status: 1 SUS/CON from regulated UST
FR Status: NFA: No Further Action
Priority: 2
Review Date: 12/22/2006 0:00

31
West
1/2-1
0.729 mi.
3847 ft.

WELLMAN FRICTION PRODUCTS FORMER, BROOK PARK
5372 W 130TH ST
BROOK PARK, OH 44142

DERR **S107870513**
INST CONTROL **N/A**
VCP

Relative:
Higher

DERR:

DERR ID: 218002451
District: NEDO
Alias: Not reported
Lat/Long: 41.412899603200003 -81.785095179699994
EPA ID: Not reported
Program: Voluntary Action Program
Contact Phone: (330) 963-1200

Actual:
799 ft.

INST CONTROL:

NFA Number: Not reported
Land Use: Not reported
Site Id: 218002451
Project Id: 218002451002
District: NEDO
Lat/Long: 41.4129 / -81.785094999999998
Program Area: VAP
Project Type: NFA 90 Day
IC Type: Not reported
IC Mechanism: Not reported

NFA Number: Not reported
Land Use: Not reported
Site Id: 218002451
Project Id: 218002451002
District: NEDO
Lat/Long: 41.4129 / -81.785094999999998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WELLMAN FRICTION PRODUCTS FORMER, BROOK PARK (Continued)

S107870513

Program Area: VAP
Project Type: NFA 90 Day
IC Type: Commercial Use Restriction
IC Mechanism: Environmental Covennant IAW UECA

NFA Number: Not reported
Land Use: Not reported
Site Id: 218002451
Project Id: 218002451002
District: NEDO
Lat/Long: 41.4129 / -81.78509499999998
Program Area: VAP
Project Type: NFA 90 Day
IC Type: Industrial Use Restriction
IC Mechanism: Environmental Covennant IAW UECA

NFA Number: 06NFA245
Land Use: Commercial/Industrial
Site Id: 218002451
Project Id: 218002451002
District: NEDO
Lat/Long: 41.4129 / -81.78509499999998
Program Area: VAP
Project Type: NFA 90 Day
IC Type: Not reported
IC Mechanism: Not reported

OH VCP:

OH EPA District: NEDO
Alias Name: Not reported
Latitude: 41.412899603200003
Longitude: -81.785095179699994
Old Program Id: 06TA016
Project Type: VAP Technical Assistance
DERR ID: 218002451

OH EPA District: NEDO
Alias Name: Not reported
Latitude: 41.412899603200003
Longitude: -81.785095179699994
Old Program Id: 06NFA245
Project Type: NFA 90 Day
DERR ID: 218002451

32
WSW
1/2-1
0.815 mi.
4305 ft.

Relative:
Higher

Actual:
813 ft.

**UCAR CARBON CO INC PARMA TECH
12900 SNOW RD
PARMA, OH 44130**

CORRACTS:

EPA ID: OHD003926748

**CORRACTS 1000350939
RCRA-SQG OHD003926748
PADS
FINDS
LUST
MANIFEST
MANIFEST
MANIFEST
SPILLS**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/28/1990
Action: CA050 - RFA Completed
NAICS Code(s): 335991
Carbon and Graphite Product Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD003926748
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/28/1990
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 335991
Carbon and Graphite Product Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD003926748
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 12/31/1993
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 335991
Carbon and Graphite Product Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-SQG:

Date form received by agency: 01/08/2009
Facility name: GRAFTECH INTERNATIONAL HOLDINGS INC
Facility address: 12900 SNOW RD - SITE A
PARMA, OH 441301077
EPA ID: OHD003926748
Contact: VICKI A VESEL
Contact address: 12900 SNOW RD - SITE A
PARMA, OH 441301077
Contact country: US
Contact telephone: (216) 676-2612
Contact email: VICKI.VESEL@GRAFTECH.COM
EPA Region: 05
Land type: Private
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: GRAFTECH INTERNATIONAL LTD
Owner/operator address: 12900 SNOW ROAD
PARMA, OH 44130
Owner/operator country: US

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Owner/operator telephone: (216) 676-2000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/07/2002
Owner/Op end date: Not reported

Owner/operator name: GRAFTECH INTERNATIONAL HOLDINGS INC
Owner/operator address: 12900 SNOW RD
PARMA, OH 44130

Owner/operator country: US
Owner/operator telephone: (216) 676-2000
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/30/2007
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: Not reported

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 09/11/2008
Facility name: GRAFTECH INTERNATIONAL HOLDINGS INC
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Date form received by agency: 11/07/2007

Facility name: GRAFTECH INTERNATIONAL HOLDINGS INC

Classification: Small Quantity Generator

Date form received by agency: 01/22/2007

Facility name: GRAFTECH INTERNATIONAL HOLDINGS INC

Site name: UCAR CARBON COMPANY INC

Classification: Small Quantity Generator

Date form received by agency: 03/05/2004

Facility name: GRAFTECH INTERNATIONAL HOLDINGS INC

Site name: UCAR CARBON COMPANY INC

Classification: Small Quantity Generator

Date form received by agency: 08/07/2003

Facility name: GRAFTECH INTERNATIONAL HOLDINGS INC

Site name: UCAR CARBON COMPANY INC

Classification: Small Quantity Generator

Date form received by agency: 09/13/1999

Facility name: GRAFTECH INTERNATIONAL HOLDINGS INC

Site name: UCAR CARBON COMPANY INC

Classification: Small Quantity Generator

Date form received by agency: 02/27/1998

Facility name: GRAFTECH INTERNATIONAL HOLDINGS INC

Site name: UCAR CARBON CO PARMA TECHNICAL CENTER

Classification: Large Quantity Generator

Date form received by agency: 02/25/1994

Facility name: GRAFTECH INTERNATIONAL HOLDINGS INC

Site name: UCAR CARBON COMPANY INC

Classification: Large Quantity Generator

Date form received by agency: 02/21/1992

Facility name: GRAFTECH INTERNATIONAL HOLDINGS INC

Site name: UCAR CARBON COMPANY INC

Classification: Large Quantity Generator

Date form received by agency: 11/23/1991

Facility name: GRAFTECH INTERNATIONAL HOLDINGS INC

Site name: UCAR CARBON COMPANY INC

Classification: Small Quantity Generator

Date form received by agency: 11/18/1980

Facility name: GRAFTECH INTERNATIONAL HOLDINGS INC

Site name: UCAR CARBON COMPANY INC

Classification: Not a generator, verified

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 PENSKEY-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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

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:	D004
Waste name:	ARSENIC
Waste code:	D005
Waste name:	BARIUM
Waste code:	D006
Waste name:	CADMIUM
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D008
Waste name:	LEAD
Waste code:	D009
Waste name:	MERCURY
Waste code:	D010
Waste name:	SELENIUM
Waste code:	D011
Waste name:	SILVER
Waste code:	D018
Waste name:	BENZENE
Waste code:	D019
Waste name:	CARBON TETRACHLORIDE
Waste code:	D021
Waste name:	CHLOROBENZENE
Waste code:	D022
Waste name:	CHLOROFORM
Waste code:	D024
Waste name:	M-CRESOL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Waste code:	D025
Waste name:	P-CRESOL
Waste code:	D026
Waste name:	CRESOL
Waste code:	D028
Waste name:	1,2-DICHLOROETHANE
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Waste code:	D036
Waste name:	NITROBENZENE
Waste code:	D037
Waste name:	PENTRACHLOROPHENOL
Waste code:	D038
Waste name:	PYRIDINE
Waste code:	D039
Waste name:	TETRACHLOROETHYLENE
Waste code:	D040
Waste name:	TRICHLOROETHYLENE
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 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F004

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; 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, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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.

Waste code: F006

Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste code: F007

Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

Waste code: F027

Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT).

Waste code: P003

Waste name: ACROLEIN

Waste code: P005

Waste name: ALLYL ALCOHOL

Waste code: P012

Waste name: ARSENIC OXIDE AS2O3

Waste code: P014

Waste name: BENZENETHIOL

Waste code: P015

Waste name: BERYLLIUM

Waste code: P018

Waste name: BRUCINE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Waste code:	P022
Waste name:	CARBON DISULFIDE
Waste code:	P024
Waste name:	BENZENAMINE, 4-CHLORO-
Waste code:	P027
Waste name:	3-CHLOROPROPIONITRILE
Waste code:	P029
Waste name:	COPPER CYANIDE
Waste code:	P030
Waste name:	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
Waste code:	P048
Waste name:	2,4-DINITROPHENOL
Waste code:	P075
Waste name:	NICOTINE, & SALTS
Waste code:	P077
Waste name:	BENZENAMINE, 4-NITRO-
Waste code:	P087
Waste name:	OSMIUM OXIDE OSO4, (T-4)-
Waste code:	P098
Waste name:	POTASSIUM CYANIDE
Waste code:	P099
Waste name:	ARGENTATE(1-), BIS(CYANO-C)-, POTASSIUM
Waste code:	P101
Waste name:	ETHYL CYANIDE
Waste code:	P104
Waste name:	SILVER CYANIDE
Waste code:	P105
Waste name:	SODIUM AZIDE
Waste code:	P106
Waste name:	SODIUM CYANIDE
Waste code:	P113
Waste name:	THALLIC OXIDE
Waste code:	P115
Waste name:	SULFURIC ACID, DITHALLIUM(1+) SALT
Waste code:	P116
Waste name:	HYDRAZINECARBOTHIOAMIDE
Waste code:	P119
Waste name:	AMMONIUM VANADATE

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Waste code:	P120
Waste name:	VANADIUM OXIDE V2O5
Waste code:	P121
Waste name:	ZINC CYANIDE
Waste code:	U001
Waste name:	ACETALDEHYDE (I)
Waste code:	U002
Waste name:	ACETONE (I)
Waste code:	U003
Waste name:	ACETONITRILE (I,T)
Waste code:	U004
Waste name:	ACETOPHENONE
Waste code:	U006
Waste name:	ACETYL CHLORIDE (C,R,T)
Waste code:	U007
Waste name:	ACRYLAMIDE
Waste code:	U008
Waste name:	ACRYLIC ACID (I)
Waste code:	U009
Waste name:	ACRYLONITRILE
Waste code:	U012
Waste name:	ANILINE (I,T)
Waste code:	U016
Waste name:	BENZ[C]ACRIDINE
Waste code:	U018
Waste name:	BENZ[A]ANTHRACENE
Waste code:	U019
Waste name:	BENZENE (I,T)
Waste code:	U020
Waste name:	BENZENESULFONIC ACID CHLORIDE (C,R)
Waste code:	U021
Waste name:	BENZIDINE
Waste code:	U022
Waste name:	BENZO[A]PYRENE
Waste code:	U025
Waste name:	DICHLOROETHYL ETHER
Waste code:	U029
Waste name:	METHANE, BROMO-

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Waste code:	U030
Waste name:	BENZENE, 1-BROMO-4-PHENOXY-
Waste code:	U031
Waste name:	1-BUTANOL (I)
Waste code:	U037
Waste name:	BENZENE, CHLORO-
Waste code:	U043
Waste name:	ETHENE, CHLORO-
Waste code:	U044
Waste name:	CHLOROFORM
Waste code:	U045
Waste name:	METHANE, CHLORO- (I, T)
Waste code:	U047
Waste name:	BETA-CHLORONAPHTHALENE
Waste code:	U048
Waste name:	O-CHLOROPHENOL
Waste code:	U050
Waste name:	CHRYSENE
Waste code:	U052
Waste name:	CRESOL (CRESYLIC ACID)
Waste code:	U053
Waste name:	2-BUTENAL
Waste code:	U055
Waste name:	BENZENE, (1-METHYLETHYL)- (I)
Waste code:	U056
Waste name:	BENZENE, HEXAHYDRO- (I)
Waste code:	U057
Waste name:	CYCLOHEXANONE (I)
Waste code:	U063
Waste name:	DIBENZ[A,H]ANTHRACENE
Waste code:	U064
Waste name:	BENZO[RST]PENTAPHENE
Waste code:	U067
Waste name:	ETHANE, 1,2-DIBROMO-
Waste code:	U068
Waste name:	METHANE, DIBROMO-
Waste code:	U069
Waste name:	1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Waste code:	U070
Waste name:	BENZENE, 1,2-DICHLORO-
Waste code:	U071
Waste name:	BENZENE, 1,3-DICHLORO-
Waste code:	U072
Waste name:	BENZENE, 1,4-DICHLORO-
Waste code:	U075
Waste name:	DICHLORODIFLUOROMETHANE
Waste code:	U076
Waste name:	ETHANE, 1,1-DICHLORO-
Waste code:	U077
Waste name:	ETHANE, 1,2-DICHLORO-
Waste code:	U078
Waste name:	1,1-DICHLOROETHYLENE
Waste code:	U080
Waste name:	METHANE, DICHLORO-
Waste code:	U081
Waste name:	2,4-DICHLOROPHENOL
Waste code:	U083
Waste name:	PROPANE, 1,2-DICHLORO-
Waste code:	U084
Waste name:	1,3-DICHLOROPROPENE
Waste code:	U088
Waste name:	1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER
Waste code:	U092
Waste name:	DIMETHYLAMINE (I)
Waste code:	U094
Waste name:	BENZ[A]ANTHRACENE, 7,12-DIMETHYL-
Waste code:	U098
Waste name:	1,1-DIMETHYLHYDRAZINE
Waste code:	U102
Waste name:	1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER
Waste code:	U103
Waste name:	DIMETHYL SULFATE
Waste code:	U105
Waste name:	BENZENE, 1-METHYL-2,4-DINITRO-
Waste code:	U107
Waste name:	1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Waste code:	U108
Waste name:	1,4-DIETHYLENEOXIDE
Waste code:	U109
Waste name:	1,2-DIPHENYLHYDRAZINE
Waste code:	U110
Waste name:	DIPROPYLAMINE (I)
Waste code:	U112
Waste name:	ACETIC ACID ETHYL ESTER (I)
Waste code:	U113
Waste name:	ETHYL ACRYLATE (I)
Waste code:	U117
Waste name:	ETHANE, 1,1'-OXYBIS-(I)
Waste code:	U118
Waste name:	ETHYL METHACRYLATE
Waste code:	U120
Waste name:	FLUORANTHENE
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:	U127
Waste name:	BENZENE, HEXACHLORO-
Waste code:	U128
Waste name:	1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO-
Waste code:	U131
Waste name:	ETHANE, HEXACHLORO-
Waste code:	U133
Waste name:	HYDRAZINE (R,T)
Waste code:	U134
Waste name:	HYDROFLUORIC ACID (C,T)
Waste code:	U135
Waste name:	HYDROGEN SULFIDE
Waste code:	U138
Waste name:	METHANE, IODO-
Waste code:	U140
Waste name:	ISOBUTYL ALCOHOL (I,T)

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Waste code:	U143
Waste name:	2-BUTENOIC ACID, 2-METHYL-, 7-[[[2,3-DIHYDROXY-2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-2,3,5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER, [1S-[1ALPHA(Z),7(2S*,3R*),7AALPHA]]-
Waste code:	U144
Waste name:	ACETIC ACID, LEAD(2+) SALT
Waste code:	U145
Waste name:	LEAD PHOSPHATE
Waste code:	U146
Waste name:	LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-
Waste code:	U147
Waste name:	2,5-FURANDIONE
Waste code:	U151
Waste name:	MERCURY
Waste code:	U154
Waste name:	METHANOL (I)
Waste code:	U155
Waste name:	1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)-
Waste code:	U157
Waste name:	BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL-
Waste code:	U159
Waste name:	2-BUTANONE (I,T)
Waste code:	U160
Waste name:	2-BUTANONE, PEROXIDE (R,T)
Waste code:	U161
Waste name:	METHYL ISOBUTYL KETONE (I)
Waste code:	U162
Waste name:	METHYL METHACRYLATE (I,T)
Waste code:	U165
Waste name:	NAPHTHALENE
Waste code:	U166
Waste name:	1,4-NAPHTHALENEDIONE
Waste code:	U167
Waste name:	1-NAPHTHALENAMINE
Waste code:	U168
Waste name:	2-NAPHTHALENAMINE
Waste code:	U169
Waste name:	BENZENE, NITRO-

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MAP FINDINGS

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Database(s)

EDR ID Number
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UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Waste code:	U170
Waste name:	P-NITROPHENOL
Waste code:	U171
Waste name:	2-NITROPROPANE (I,T)
Waste code:	U182
Waste name:	PARALDEHYDE
Waste code:	U187
Waste name:	ACETAMIDE, N-(4-ETHOXYPHENYL)-
Waste code:	U188
Waste name:	PHENOL
Waste code:	U190
Waste name:	1,3-ISOBENZOFURANDIONE
Waste code:	U191
Waste name:	2-PICOLINE
Waste code:	U196
Waste name:	PYRIDINE
Waste code:	U197
Waste name:	P-BENZOQUINONE
Waste code:	U201
Waste name:	1,3-BENZENEDIOL
Waste code:	U204
Waste name:	SELENIOUS ACID
Waste code:	U207
Waste name:	BENZENE, 1,2,4,5-TETRACHLORO-
Waste code:	U209
Waste name:	ETHANE, 1,1,2,2-TETRACHLORO-
Waste code:	U210
Waste name:	ETHENE, TETRACHLORO-
Waste code:	U211
Waste name:	CARBON TETRACHLORIDE
Waste code:	U213
Waste name:	FURAN, TETRAHYDRO-(I)
Waste code:	U214
Waste name:	ACETIC ACID, THALLIUM(1+) SALT
Waste code:	U216
Waste name:	THALLIUM(I) CHLORIDE
Waste code:	U217
Waste name:	NITRIC ACID, THALLIUM(1+) SALT

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MAP FINDINGS

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Database(s)

EDR ID Number
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UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Waste code:	U218
Waste name:	ETHANETHIOAMIDE
Waste code:	U219
Waste name:	THIOUREA
Waste code:	U220
Waste name:	BENZENE, METHYL-
Waste code:	U221
Waste name:	BENZENEDIAMINE, AR-METHYL-
Waste code:	U222
Waste name:	BENZENAMINE, 2-METHYL-, HYDROCHLORIDE
Waste code:	U225
Waste name:	BROMOFORM
Waste code:	U226
Waste name:	ETHANE, 1,1,1-TRICHLORO-
Waste code:	U227
Waste name:	ETHANE, 1,1,2-TRICHLORO-
Waste code:	U228
Waste name:	ETHENE, TRICHLORO-
Waste code:	U238
Waste name:	CARBAMIC ACID, ETHYL ESTER
Waste code:	U239
Waste name:	BENZENE, DIMETHYL- (I,T)
Waste code:	U359
Waste name:	ETHANOL, 2-ETHOXY-
Waste code:	U404
Waste name:	ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Corrective Action Summary:

Event date:	03/28/1990
Event:	RFA Completed
Event date:	03/28/1990
Event:	RFA Determination Of Need For An RFI, RFI is Necessary;
Event date:	12/31/1993
Event:	CA Prioritization, Facility or area was assigned a medium corrective action priority.
Event date:	07/01/2006
Event:	CA001

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	TSD - General

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Date violation determined: 06/05/1991
Date achieved compliance: 07/15/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/18/1991
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: TSD - General
Date violation determined: 01/27/1989
Date achieved compliance: 03/17/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/1989
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

Evaluation Action Summary:

Evaluation date: 10/23/1991
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/05/1991
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/05/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/15/1991
Evaluation lead agency: State

Evaluation date: 05/02/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/27/1989
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Evaluation date: 01/27/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/17/1989
Evaluation lead agency: State

Evaluation date: 09/01/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110000814423

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.

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.

LUST:

Release Number: 18001308-N00001
Release Date: Not reported
Facility Status: Inactive

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EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

LTF Status: 6 Closure of regulated UST
FR Status: NFA: No Further Action
Priority: 3
Review Date: 6/20/2000 0:00

NJ MANIFEST:

Manifest Code: 000379381VES
EPA ID: OHD003926748
Date Shipped: 4/24/09
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: NYD980769947
Transporter 3 EPA ID: NJD080631369
Transporter 4 EPA ID: NJD054126164
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 4/24/09
Date Trans2 Transported Waste: 5/4/09
Date Trans3 Transported Waste: 5/12/09
Date Trans4 Transported Waste: 5/15/09
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 5/20/09
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D002
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: D002
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 30
Unit: P
Hand Code: H141

Waste Code: F002
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 400
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 2

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MAP FINDINGS

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EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 10
Unit: P
Hand Code: H141

Waste Code: U133
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: D009
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 2
Unit: P
Hand Code: H141

Waste Code: D001
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: D009
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 200
Unit: P
Hand Code: H141

Waste Code: D009
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 5
Unit: P
Hand Code: H141

Waste Code: U226
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 15
Unit: P
Hand Code: H141

Waste Code: U188
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 20
Unit: P
Hand Code: H141

Waste Code: F005
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 10
Unit: P
Hand Code: H141

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Waste Code: U031
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 40
Unit: P
Hand Code: H141

NY MANIFEST:

EPA ID: OHD003926748
Country: USA
Mailing Name: UCAR CARBON COMPANY
Mailing Contact: DAVE MIESKOWSKI
Mailing Address: 12900 SNOW ROAD
Mailing Address 2: Not reported
Mailing City: PARMA
Mailing State: OH
Mailing Zip: 44130
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 216-676-2228

Document ID: NYB2245275
Manifest Status: Completed copy
Trans1 State ID: 86416ZNY
Trans2 State ID: Not reported
Generator Ship Date: 930105
Trans1 Recv Date: 930105
Trans2 Recv Date: Not reported
TSD Site Recv Date: 930115
Part A Recv Date: 930126
Part B Recv Date: 930127
Generator EPA ID: OHD003926748
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00005
Units: P - 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
Year: 93
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

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EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Document ID: NYB1010160
Manifest Status: Completed copy
Trans1 State ID: 14UV69
Trans2 State ID: 99830CNY
Generator Ship Date: 891215
Trans1 Recv Date: 891215
Trans2 Recv Date: 891222
TSD Site Recv Date: 891227
Part A Recv Date: 891228
Part B Recv Date: 900104
Generator EPA ID: OHD003926748
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: ILD099202681
TSD ID: NYD049836679
Waste Code: F001 - UNKNOWN
Quantity: 00085
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00085
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 89
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: NYA8499879
Manifest Status: Completed copy
Trans1 State ID: 14VX98
Trans2 State ID: 99830-CNY
Generator Ship Date: 890825
Trans1 Recv Date: 890825
Trans2 Recv Date: 890907
TSD Site Recv Date: 890911
Part A Recv Date: 890901
Part B Recv Date: 890919
Generator EPA ID: OHD003926748
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: ILD099202681
TSD ID: NYD049836679

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00165
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 89
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

WI MANIFEST:

Year: 04
EPA ID: OHD003926748
FID: 999544810
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact First Name: D
Contact Last Name: MIESKOWSKI/ADMIN
Contact Title: MIESKOWSKI
Contact Address: 12900 SNOW RD
Contact State: OH
Contact City: PARMA
Contact Zip: 44130
Contact Telephone: 2166762228
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -
Manifest DOC ID: 000183089VES
Copy Type: TSDCOPY
Gen EPA ID: OHD003926748
Gen Date: 10/9/2008
TSD Date: 10/15/2008
TSD EPA ID: WID003967148
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 10/29/2008
Manifest DOC ID: 000183089VES
Waste Page No: 1
Waste Line No: 1
Waste Code: P012
Waste Amount: 5
Unit of Measure: P
Waste LBS: 5

WI MANIFEST TRANS: -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

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: 08
EPA ID: OHD003926748
FID: 999544810
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact First Name: D
Contact Last Name: MIESKOWSKI/ADMIN
Contact Title: MIESKOWSKI
Contact Address: 12900 SNOW RD
Contact State: OH
Contact City: PARMA
Contact Zip: 44130
Contact Telephone: 2166762228
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -
Manifest DOC ID: 000183089VES
Copy Type: TSDCOPY
Gen EPA ID: OHD003926748
Gen Date: 10/9/2008
TSD Date: 10/15/2008
TSD EPA ID: WID003967148
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 10/29/2008
Manifest DOC ID: 000183089VES
Waste Page No: 1
Waste Line No: 1
Waste Code: P012
Waste Amount: 5
Unit of Measure: P
Waste LBS: 5

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

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UCAR CARBON CO INC PARMA TECH (Continued)

1000350939

Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

SPILLS:

Spill No.: 0401-18-0278
Spill Year: 2004
Sequential Number: Not reported
Date Spill Reported: 01/19/04
Spill Month: 1
Spill Number: 0278
Reporter Name: RYAN
Confidential: No
District Code: NE
County Code: 18
Employee Number: 1769
Lat/Long: Not reported
Product Spilled Name: GRAPHITE FIRE
Product Spilled Name: ANTIMONY TRIOXIDE
Product Spilled Name: GRAPHITE FIRE
Product Spilled Name: ANTIMONY TRIOXIDE

33
NNW
1/2-1
0.878 mi.
4634 ft.

BROOKPARK PLATING CO INC
12208 SPRECHER AVENUE
CLEVELAND, OH 44035

CERC-NFRAP
RCRA-NonGen
FINDS
DERR

1000333208
OHD004208385

Relative:
Lower

CERC-NFRAP:
Site ID: 0504147
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

Actual:
784 ft.

CERCLIS-NFRAP Site Contact Name(s):
Contact Title: RESPONSIBLE PARTY INVESTIGATOR
Contact Name: JANET PFUNDHELLER
Contact Tel: (312) 353-5821

Program Priority:
Description: Great Lakes

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 05/01/1981
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 12/01/1984
Priority Level: Low priority for further assessment

Action: ARCHIVE SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BROOKPARK PLATING CO INC (Continued)

1000333208

Date Started: Not reported
Date Completed: 12/31/1987
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 12/31/1987
Priority Level: NFRAP: No further Remedial Action planned

RCRA-NonGen:

Date form received by agency: 08/18/1980
Facility name: BROOKPARK PLATING CO INC
Facility address: 12208 SPRECHER AVE
CLEVELAND, OH 44135

EPA ID: OHD004208385
Contact: MARK SULLIVAN
Contact address: 12208 SPRECHER AVE
CLEVELAND, OH 44135

Contact country: US
Contact telephone: (216) 267-1351
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: 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

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: Owner
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): 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: No
Furnace exemption: No
Used oil fuel burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BROOKPARK PLATING CO INC (Continued)

1000333208

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: Verified to be non-commercial

Hazardous Waste Summary:

Waste code: F008
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F009
Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: P121
Waste name: ZINC CYANIDE

Violation Status: No violations found

FINDS:

Registry ID: 110004592539

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.

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: 218000111
District: NEDO
Alias: Not reported
Lat/Long: 41.457222219999998 -81.779166669999995
EPA ID: OHD004208385
Program: Site Assessment
Contact Phone: (330) 963-1200

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

34
NNW
1/2-1
0.911 mi.
4810 ft.

KIRKWOOD INDUSTRIES INC
4855 WEST 130TH STREET
CLEVELAND, OH 44135

CERC-NFRAP
CORRACTS
RCRA-SQG
FINDS
RAATS
DERR

1000273298
OHD004198453

Relative:
Lower

CERC-NFRAP:
Site ID: 0507003
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

Actual:
789 ft.

CERCLIS-NFRAP Site Contact Name(s):
Contact Title: RESPONSIBLE PARTY INVESTIGATOR
Contact Name: JANET PFUNDHELLER
Contact Tel: (312) 353-5821

Program Priority:
Description: Great Lakes

Description: RCRA Deferral Audit

Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 06/24/1992
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 11/19/1992
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: OHD004198453
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 5/1/2009
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: OHD004198453
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 9/26/1992
Action: CA075LO - CA Prioritization, Facility or area was assigned a low

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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

corrective action priority

NAICS Code(s): Not reported

Original schedule date: Not reported

Schedule end date: Not reported

RCRA-SQG:

Date form received by agency: 01/29/2007

Facility name: CLEVELAND COMMUTATOR COMPANY

Facility address: 4865 W 130TH STREET
CLEVELAND, OH 441355182

EPA ID: OHD004198453

Contact: KEN SLEPECKY

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (216) 362-3853

Contact email: KSLEPECKY@KIRKWOOD-IND.COM

EPA Region: 05

Land type: Private

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: CLEVELAND COMMUTATOR COMPANY

Owner/operator address: 4865 WEST 130TH STREET
CLEVELAND, OH 44135

Owner/operator country: US

Owner/operator telephone: (216) 267-6200

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 05/01/2005

Owner/Op end date: Not reported

Owner/operator name: CLEVELAND COMMUTATOR COMPANY

Owner/operator address: 4865 WEST 130TH STREET
CLEVELAND, OH 44135

Owner/operator country: US

Owner/operator telephone: (216) 267-6200

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 05/01/2005

Owner/Op end date: Not reported

Owner/operator name: KIRKWOOD INDUSTRIES, INC.

Owner/operator address: 4855 W 130TH STREET
CLEVELAND, OH 44135

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 11/10/1944

Owner/Op end date: 05/01/2005

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

Owner/operator name: TOM KOECHLEY
Owner/operator address: 4855 W 130TH ST
CLEVELAND, OH 44135
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/10/1944
Owner/Op end date: Not reported

Owner/operator name: TOM KOECHLEY
Owner/operator address: 4855 W 130TH ST
CLEVELAND, OH 44135
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/10/1944
Owner/Op end date: Not reported

Owner/operator name: KIRKWOOD INDUSTRIES, INC.
Owner/operator address: 4855 W 130TH STREET
CLEVELAND, OH 44135
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/10/1944
Owner/Op end date: 05/01/2005

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

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

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: 11/03/2006
Facility name: CLEVELAND COMMUTATOR COMPANY
Classification: Small Quantity Generator

Date form received by agency: 03/01/2006
Facility name: CLEVELAND COMMUTATOR COMPANY
Site name: KIRKWOOD INDUSTRIES INC.
Classification: Large Quantity Generator

Date form received by agency: 03/01/2006
Facility name: CLEVELAND COMMUTATOR COMPANY
Site name: KIRKWOOD INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 02/27/2004
Facility name: CLEVELAND COMMUTATOR COMPANY
Site name: KIRKWOOD INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 02/26/2003
Facility name: CLEVELAND COMMUTATOR COMPANY
Site name: KIRKWOOD INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 02/27/2002
Facility name: CLEVELAND COMMUTATOR COMPANY
Site name: KIRKWOOD INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 02/28/2000
Facility name: CLEVELAND COMMUTATOR COMPANY
Site name: KIRKWOOD INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 05/19/1999
Facility name: CLEVELAND COMMUTATOR COMPANY
Site name: KIRKWOOD INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 01/20/1998
Facility name: CLEVELAND COMMUTATOR COMPANY
Site name: KIRKWOOD INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 02/14/1996
Facility name: CLEVELAND COMMUTATOR COMPANY
Site name: KIRKWOOD INDUSTRIES INC
Classification: Large Quantity Generator

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Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

Date form received by agency: 02/21/1994

Facility name: CLEVELAND COMMUTATOR COMPANY

Site name: KIRKWOOD IND INC

Classification: Large Quantity Generator

Date form received by agency: 02/20/1990

Facility name: CLEVELAND COMMUTATOR COMPANY

Site name: KIRKWOOD INDUSTRIES INC

Classification: Large Quantity Generator

Date form received by agency: 11/19/1980

Facility name: CLEVELAND COMMUTATOR COMPANY

Site name: KIRKWOOD INDUSTRIES INC

Classification: Not a generator, verified

Date form received by agency: 01/01/1979

Facility name: CLEVELAND COMMUTATOR COMPANY

Site name: KIRKWOOD INDUSTRIES INC

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 PENSKEY-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: D007

Waste name: CHROMIUM

Waste code: D008

Waste name: LEAD

Waste code: D035

Waste name: METHYL ETHYL KETONE

Waste code: F006

Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

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:	F006
Waste name:	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
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 PENSKEY-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:	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:	D005
Waste name:	BARIUM
Waste code:	D011
Waste name:	SILVER
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
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

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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

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.

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Corrective Action Summary:

Event date: 09/26/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 07/01/2006
Event: CA001

Event date: 05/01/2009
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 01/29/2007
Date achieved compliance: 03/27/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/12/2007
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: Universal Waste - Small Quantity Handlers
Date violation determined: 01/29/2007
Date achieved compliance: 03/27/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/12/2007
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: Generators - Pre-transport
Date violation determined: 01/29/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

Date achieved compliance: 03/27/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/12/2007
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 - 3745-52-41
Area of violation: Generators - Records/Reporting
Date violation determined: 12/13/2005
Date achieved compliance: 03/01/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/13/2005
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 - 3745-52-11
Area of violation: Generators - General
Date violation determined: 10/04/2001
Date achieved compliance: 10/25/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/25/2001
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)
Area of violation: Generators - Pre-transport
Date violation determined: 10/04/2001
Date achieved compliance: 10/25/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/25/2001
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
Area of violation: TSD - Container Use and Management
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993
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 - 3745-52-20
Area of violation: Generators - Manifest
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993
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 - 3745-52-20(C)(D)(E)
Area of violation: Generators - Manifest
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993
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 - 3745-59-07(A)(6)
Area of violation: LDR - General
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993
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 - 3745-65-35
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993
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 - 3745-52-20(C)(D)(E)
Area of violation: Generators - Manifest
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1993
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 - 3745-65-32 & 3745-65-34
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1993
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 - 3745-59-07(A)
Area of violation: LDR - General
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1993
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 - 3745-65-32 & 3745-65-34
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

Enforcement action date: 07/14/1993
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 - 3745-52-20
Area of violation: Generators - Manifest
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1993
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)
Area of violation: Generators - Pre-transport
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1993
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 - 3745-66-74
Area of violation: TSD - Container Use and Management
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1993
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 - 3745-65-52(E) & (F)
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 06/11/1993
Date achieved compliance: 09/20/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

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)(E)
Area of violation: TSD - General Facility Standards
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993
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 - 3745-52-42
Area of violation: Generators - Records/Reporting
Date violation determined: 06/11/1993
Date achieved compliance: 09/20/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993
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 - 3745-65-16(D)(E)
Area of violation: TSD - General Facility Standards
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1993
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 - 3745-65-33
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 06/11/1993
Date achieved compliance: 09/20/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993
Enf. disposition status: Not reported

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

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)
Area of violation: Generators - Pre-transport
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993
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 - 3745-66-73(A)
Area of violation: TSD - Container Use and Management
Date violation determined: 06/11/1993
Date achieved compliance: 09/20/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993
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 - 3745-59-07(A)(6)
Area of violation: LDR - General
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1993
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 - 3745-59-07(A)
Area of violation: LDR - General
Date violation determined: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
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Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

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: 06/11/1993
Date achieved compliance: 10/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1993
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 - 3745-52-33
Area of violation: Generators - Pre-transport
Date violation determined: 06/11/1993
Date achieved compliance: 09/20/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1993
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: Not reported
Area of violation: Generators - General
Date violation determined: 11/05/1987
Date achieved compliance: 12/21/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/05/1987
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: Generators - General
Date violation determined: 06/10/1987
Date achieved compliance: 12/21/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/23/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

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Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

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: 06/10/1987
Date achieved compliance: 02/09/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/22/1987
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: Generators - General
Date violation determined: 06/25/1986
Date achieved compliance: 09/24/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/08/1986
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: Not reported
Area of violation: Generators - General
Date violation determined: 09/18/1985
Date achieved compliance: 09/24/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/18/1985
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: Not reported
Area of violation: Generators - General
Date violation determined: 05/31/1985
Date achieved compliance: 08/12/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/21/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/15/1985
Date achieved compliance: 07/11/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/30/1985
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: Not reported
Area of violation: Generators - General
Date violation determined: 05/15/1985
Date achieved compliance: 07/11/1985
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: Generators - General
Date violation determined: 03/21/1985
Date achieved compliance: 05/31/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/21/1985
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

Evaluation Action Summary:
Evaluation date: 03/27/2007
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/29/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/27/2007
Evaluation lead agency: State

Map ID
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Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

Evaluation date: 01/29/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 03/27/2007
Evaluation lead agency: State

Evaluation date: 01/29/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 03/27/2007
Evaluation lead agency: State

Evaluation date: 12/13/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 03/01/2006
Evaluation lead agency: State

Evaluation date: 10/04/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 10/25/2001
Evaluation lead agency: State

Evaluation date: 10/04/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/25/2001
Evaluation lead agency: State

Evaluation date: 06/11/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 10/01/1993
Evaluation lead agency: State

Evaluation date: 06/11/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 10/01/1993
Evaluation lead agency: State

Evaluation date: 06/11/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 09/20/1993
Evaluation lead agency: State

Evaluation date: 06/11/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 09/20/1993
Evaluation lead agency: State

Evaluation date: 06/11/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

Date achieved compliance: 09/20/1993
Evaluation lead agency: State

Evaluation date: 06/11/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 10/01/1993
Evaluation lead agency: State

Evaluation date: 06/11/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 10/01/1993
Evaluation lead agency: State

Evaluation date: 06/11/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 10/01/1993
Evaluation lead agency: State

Evaluation date: 06/11/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 09/20/1993
Evaluation lead agency: State

Evaluation date: 06/11/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 10/01/1993
Evaluation lead agency: State

Evaluation date: 06/11/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 09/20/1993
Evaluation lead agency: State

Evaluation date: 06/08/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/03/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/17/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

Evaluation date:	12/11/1987
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	11/05/1987
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Generators - General
Date achieved compliance:	12/21/1987
Evaluation lead agency:	State
Evaluation date:	06/10/1987
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	LDR - General
Date achieved compliance:	02/09/1988
Evaluation lead agency:	State
Evaluation date:	06/10/1987
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	12/21/1987
Evaluation lead agency:	State
Evaluation date:	06/25/1986
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	09/24/1986
Evaluation lead agency:	State
Evaluation date:	04/21/1986
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	09/18/1985
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Generators - General
Date achieved compliance:	09/24/1986
Evaluation lead agency:	State
Evaluation date:	05/31/1985
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Generators - General
Date achieved compliance:	08/12/1985
Evaluation lead agency:	State
Evaluation date:	05/15/1985
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	07/11/1985
Evaluation lead agency:	State
Evaluation date:	03/21/1985
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Generators - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

Date achieved compliance: 05/31/1985
Evaluation lead agency: State

FINDS:

Registry ID: 110000387705

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.

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIRKWOOD INDUSTRIES INC (Continued)

1000273298

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.

DERR:

DERR ID: 218001611
District: NEDO
Alias: Not reported
Lat/Long: 41.422339000000001 -81.780100000000004
EPA ID: OHD004198453
Program: **Site Assessment**
Contact Phone: (330) 963-1200

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BROOKLYN	S108317443	CITY OF PARMA NS	&	44144	SPILLS
BROOKPARK	1000183595		5600 HENRY FORD BLVD	44142	RCRA-SQG, TRIS, PADS, FINDS, LUST, UST, MANIFEST, MANIFEST, SPILLS
CLEVELAND	1002710531	LTV STEEL	W 3RD ST		LUST, SPILLS
CLEVELAND	U004096829	NASA LEWIS RESEARCH CENTER	21000 BROOKPARK RD	44135	LUST, UST
CLEVELAND	U004096830	NASA LEWIS RESEARCH CENTER	21000 BROOKPARK RD	44135	LUST, UST
CLEVELAND	U004083651	ABF FREIGHT SYSTEM, INC.	5630 CHEVROLET BLVD	44130	UST
CLEVELAND	S103778840	CONTINENTAL AIRLINES	CLEVELAND HOPKINS AIRPORT	44135	LUST, SPILLS
CLEVELAND	1007208808		CLEVELAND HOPKINS AIRPORT	44135	RCRA-LQG, LUST, SPILLS
CLEVELAND	S109351785	10801 MEECH AVE	10801 MEECH AVE		SWF/LF, NPDES
CLEVELAND	S105902025	NASA	21000 UST 20	44135	UNREG LTANKS, SPILLS
PARMA	U004098525	PARMA SERVICE CENTER	5680 CHEVOLET BLVD	44130	UST
PARMA	1011293209	PARMA COMMUNITY	7667 DAY DR	44129	FINDS
PARMA	S109580599	NIKE SITE CL 59, PARMA	W PLEASANT VALLEY RD	44130	DERR
PARMA	S105859310	RIDGEWOOD SAN. LDFL AKA PARMA CITY	2215 WEST RIDGE RD	44129	HIST LF
PARMA HEIGHTS	S104974768	FORMER NIKE CL-59 SITE	NATHAN HALE PARK	44130	LUST

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: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/02/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/26/2010
	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: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/02/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/26/2010
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 03/01/2010
Number of Days to Update: 56	Next Scheduled EDR Contact: 05/31/2010
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/02/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/26/2010
	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: 01/29/2010	Source: EPA
Date Data Arrived at EDR: 02/09/2010	Telephone: 703-412-9810
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 03/30/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/12/2010
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of NPL and Base Realignment & Closure sites found in the CERCLIS database where FERRO is involved in cleanup projects.

Date of Government Version: 06/23/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 703-603-8704
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 01/15/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/26/2010
	Data Release Frequency: Varies

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	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 03/11/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 06/14/2010
	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: 12/11/2009	Source: EPA
Date Data Arrived at EDR: 12/29/2009	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 02/15/2010
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/31/2010
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, 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: 01/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 312-886-6186
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 02/19/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/19/2010
	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: 01/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 312-886-6186
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 02/19/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/19/2010
	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: 01/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 312-886-6186
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 02/19/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/19/2010
	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: 01/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 312-886-6186
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 02/19/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/19/2010
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 03/15/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/28/2010
	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: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 03/15/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/28/2010
	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: 12/31/2009	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/22/2010	Telephone: 202-267-2180
Date Made Active in Reports: 02/11/2010	Last EDR Contact: 04/07/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/19/2010
	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	Source: Ohio EPA
Date Data Arrived at EDR: N/A	Telephone: 614-644-2924
Date Made Active in Reports: N/A	Last EDR Contact: 02/12/2010
Number of Days to Update: N/A	Next Scheduled EDR Contact: 05/31/2010
	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: 02/23/2010	Source: Ohio EPA, Div. of Emergency and Remedial Response
Date Data Arrived at EDR: 02/23/2010	Telephone: 614-644-3538
Date Made Active in Reports: 03/09/2010	Last EDR Contact: 02/23/2010
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/07/2010
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/18/2010
Next Scheduled EDR Contact: 05/03/2010
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: 02/23/2010
Date Data Arrived at EDR: 02/24/2010
Date Made Active in Reports: 03/09/2010
Number of Days to Update: 13

Source: Department of Commerce
Telephone: 614-752-7924
Last EDR Contact: 04/09/2010
Next Scheduled EDR Contact: 06/07/2010
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 R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/01/2010
Date Data Arrived at EDR: 03/03/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
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: 03/10/2010
Date Data Arrived at EDR: 03/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 27

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/02/2010
Date Data Arrived at EDR: 02/03/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 15

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EPA Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 03/01/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 03/05/2010	Source: EPA Region 6
Date Data Arrived at EDR: 03/05/2010	Telephone: 214-665-6597
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 38	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Varies

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	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2009	Telephone: 913-551-7003
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 02/01/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Varies

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: 02/25/2010	Source: EPA Region 8
Date Data Arrived at EDR: 02/25/2010	Telephone: 303-312-6271
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 46	Next Scheduled EDR Contact: 05/17/2010
	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: 01/13/2010	Source: Department of Commerce
Date Data Arrived at EDR: 01/14/2010	Telephone: 614-752-7938
Date Made Active in Reports: 01/26/2010	Last EDR Contact: 03/08/2010
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/07/2010
	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: 02/08/2010	Source: EPA Region 6
Date Data Arrived at EDR: 02/09/2010	Telephone: 214-665-7591
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 9	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EPA, Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 03/01/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 05/17/2010
	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: 02/02/2010	Source: EPA Region 10
Date Data Arrived at EDR: 02/03/2010	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 02/17/2010
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/17/2010
	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	Source: EPA Region 7
Date Data Arrived at EDR: 12/30/2008	Telephone: 913-551-7003
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 02/01/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 05/17/2010
	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: 02/25/2010	Source: EPA Region 8
Date Data Arrived at EDR: 02/25/2010	Telephone: 303-312-6137
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 46	Next Scheduled EDR Contact: 05/17/2010
	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: 02/01/2010	Source: EPA Region 9
Date Data Arrived at EDR: 03/03/2010	Telephone: 415-972-3368
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/17/2010
	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: 03/10/2010	Source: EPA Region 4
Date Data Arrived at EDR: 03/16/2010	Telephone: 404-562-9424
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 27	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/11/2010	Source: EPA Region 5
Date Data Arrived at EDR: 02/11/2010	Telephone: 312-886-6136
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 60	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 01/18/2010
Number of Days to Update: 55	Next Scheduled EDR Contact: 05/03/2010
	Data Release Frequency: Varies

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: 02/16/2010	Source: Ohio EPA
Date Data Arrived at EDR: 02/18/2010	Telephone: 614-644-2306
Date Made Active in Reports: 03/09/2010	Last EDR Contact: 02/15/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 05/31/2010
	Data Release Frequency: Semi-Annually

INST CONTROL: Sites with Institutional Engineering Controls

A database that tracks properties with institutional controls.

Date of Government Version: 02/16/2010	Source: Ohio Environmental Protection Agency
Date Data Arrived at EDR: 02/18/2010	Telephone: 614-644-2306
Date Made Active in Reports: 03/09/2010	Last EDR Contact: 02/15/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 05/31/2010
	Data Release Frequency: Semi-Annually

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	Source: Ohio EPA
Date Data Arrived at EDR: 04/06/2006	Telephone: 614-644-2306
Date Made Active in Reports: 05/04/2006	Last EDR Contact: 06/02/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

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 it will 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

VCP: Voluntary Action Program Sites

Site involved in the Voluntary Action Program.

Date of Government Version: 02/16/2010
Date Data Arrived at EDR: 02/18/2010
Date Made Active in Reports: 03/09/2010
Number of Days to Update: 19

Source: Ohio EPA, Voluntary Action Program
Telephone: 614-728-1298
Last EDR Contact: 02/15/2010
Next Scheduled EDR Contact: 05/31/2010
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: 04/05/2010
Next Scheduled EDR Contact: 07/19/2010
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: 12/22/2009
Date Data Arrived at EDR: 12/23/2009
Date Made Active in Reports: 01/26/2010
Number of Days to Update: 34

Source: Ohio EPA
Telephone: 614-644-3748
Last EDR Contact: 04/05/2010
Next Scheduled EDR Contact: 07/05/2010
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/01/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/04/2009	Telephone: 202-566-2777
Date Made Active in Reports: 12/16/2009	Last EDR Contact: 03/23/2010
Number of Days to Update: 42	Next Scheduled EDR Contact: 07/12/2010
	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	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-972-3336
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 03/22/2010
Number of Days to Update: 137	Next Scheduled EDR Contact: 06/21/2010
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	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	Source: Ohio EPA
Date Data Arrived at EDR: 07/01/2003	Telephone: 614-644-3749
Date Made Active in Reports: 07/17/2003	Last EDR Contact: 06/26/2003
Number of Days to Update: 16	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 02/08/2010
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/24/2010
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/19/2009	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 12/29/2009	Telephone: 202-307-1000
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 12/14/2009
Number of Days to Update: 43	Next Scheduled EDR Contact: 03/22/2010
	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: 12/31/2009	Source: Ohio EPA
Date Data Arrived at EDR: 02/19/2010	Telephone: 614-644-2080
Date Made Active in Reports: 03/09/2010	Last EDR Contact: 02/15/2010
Number of Days to Update: 18	Next Scheduled EDR Contact: 05/31/2010
	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	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	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: 01/13/2010	Source: Department of Commerce, Division of State Fire Marshal
Date Data Arrived at EDR: 01/14/2010	Telephone: 614-752-7938
Date Made Active in Reports: 01/26/2010	Last EDR Contact: 03/08/2010
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/07/2010
	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: 02/05/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/11/2010	Telephone: 202-564-6023
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 60	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/17/2010
Next Scheduled EDR Contact: 06/07/2010
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: 12/31/2009
Date Data Arrived at EDR: 01/06/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 35

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/07/2010
Next Scheduled EDR Contact: 07/19/2010
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: 12/31/2009
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 03/09/2010
Number of Days to Update: 18

Source: Ohio EPA
Telephone: 614-644-2084
Last EDR Contact: 02/15/2010
Next Scheduled EDR Contact: 05/31/2010
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: 01/13/2010
Date Data Arrived at EDR: 01/15/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 02/19/2010
Next Scheduled EDR Contact: 04/19/2010
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 62

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/09/2010
Next Scheduled EDR Contact: 05/24/2010
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/19/2010
Next Scheduled EDR Contact: 05/03/2010
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: 03/18/2010
Next Scheduled EDR Contact: 06/28/2010
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: 04/05/2010
Next Scheduled EDR Contact: 07/19/2010
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: 12/01/2009
Date Data Arrived at EDR: 12/15/2009
Date Made Active in Reports: 01/19/2010
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/02/2010
Next Scheduled EDR Contact: 06/28/2010
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: 01/21/2010
Next Scheduled EDR Contact: 06/14/2010
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: 11/17/2009
Date Data Arrived at EDR: 12/08/2009
Date Made Active in Reports: 01/19/2010
Number of Days to Update: 42

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/10/2010
Next Scheduled EDR Contact: 06/21/2010
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/13/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 36

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 03/02/2010
Next Scheduled EDR Contact: 06/14/2010
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: 03/30/2010
Next Scheduled EDR Contact: 07/12/2010
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: 03/01/2010
Next Scheduled EDR Contact: 06/14/2010
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: 03/01/2010
Next Scheduled EDR Contact: 06/14/2010
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2008
Date Data Arrived at EDR: 01/06/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
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: 11/10/2009
Date Data Arrived at EDR: 11/18/2009
Date Made Active in Reports: 01/19/2010
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 03/29/2010
Next Scheduled EDR Contact: 07/12/2010
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: 02/16/2010
Next Scheduled EDR Contact: 05/03/2010
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: 12/24/2009
Date Data Arrived at EDR: 12/31/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 41

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/15/2010
Next Scheduled EDR Contact: 06/28/2010
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: 01/12/2010
Date Data Arrived at EDR: 01/13/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/13/2010
Next Scheduled EDR Contact: 04/26/2010
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EPA
Date Data Arrived at EDR: 10/22/2009	Telephone: (312) 353-2000
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 03/15/2010
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/28/2010
	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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	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	Source: EPA/NTIS
Date Data Arrived at EDR: 02/19/2009	Telephone: 800-424-9346
Date Made Active in Reports: 05/22/2009	Last EDR Contact: 02/25/2010
Number of Days to Update: 92	Next Scheduled EDR Contact: 06/07/2010
	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	Source: Ohio EPA
Date Data Arrived at EDR: 02/21/2003	Telephone: 614-644-3749
Date Made Active in Reports: 03/05/2003	Last EDR Contact: 02/12/2003
Number of Days to Update: 12	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: 02/22/2010	Source: Ohio EPA
Date Data Arrived at EDR: 02/23/2010	Telephone: 614-644-2752
Date Made Active in Reports: 03/09/2010	Last EDR Contact: 02/15/2010
Number of Days to Update: 14	Next Scheduled EDR Contact: 05/31/2010
	Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaner facility locations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/05/2010
Date Data Arrived at EDR: 01/06/2010
Date Made Active in Reports: 01/26/2010
Number of Days to Update: 20

Source: Ohio EPA
Telephone: 614-644-3469
Last EDR Contact: 04/05/2010
Next Scheduled EDR Contact: 07/19/2010
Data Release Frequency: Varies

NPDES: NPDES General Permit List

General information regarding NPDES (National Pollutant Discharge Elimination System) permits.

Date of Government Version: 02/15/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 03/09/2010
Number of Days to Update: 21

Source: Ohio EPA
Telephone: 614-644-2031
Last EDR Contact: 02/16/2010
Next Scheduled EDR Contact: 05/31/2010
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: 12/29/2009
Date Data Arrived at EDR: 12/29/2009
Date Made Active in Reports: 01/26/2010
Number of Days to Update: 28

Source: Ohio EPA
Telephone: 614-644-2270
Last EDR Contact: 03/29/2010
Next Scheduled EDR Contact: 07/12/2010
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: 02/16/2010
Date Data Arrived at EDR: 02/18/2010
Date Made Active in Reports: 03/09/2010
Number of Days to Update: 19

Source: Ohio EPA
Telephone: 614-644-3749
Last EDR Contact: 02/15/2010
Next Scheduled EDR Contact: 05/31/2010
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/19/2010
Next Scheduled EDR Contact: 05/03/2010
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: 02/10/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/08/2010
Next Scheduled EDR Contact: 05/10/2010
Data Release Frequency: Varies

FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/21/2010
Date Data Arrived at EDR: 01/22/2010
Date Made Active in Reports: 01/26/2010
Number of Days to Update: 4

Source: Ohio EPA
Telephone: 614-644-2955
Last EDR Contact: 01/18/2010
Next Scheduled EDR Contact: 05/03/2010
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: 01/18/2010
Next Scheduled EDR Contact: 05/03/2010
Data Release Frequency: Varies

CRO: Cessation of Regulated Operations Facility Listing

"Cessation of Regulated Operations" means the discontinuation or termination of regulated operations or the finalizing of any transaction or proceeding through which those operations are discontinued. "Regulated Operations" means the production, use, storage or handling of regulated substances.

Date of Government Version: 12/04/2009
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 03/09/2010
Number of Days to Update: 18

Source: Ohio EPA
Telephone: 614-644-3065
Last EDR Contact: 02/15/2010
Next Scheduled EDR Contact: 05/31/2010
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/27/2010
Next Scheduled EDR Contact: 05/03/2010
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/09/2009
Date Data Arrived at EDR: 12/18/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/16/2010
Next Scheduled EDR Contact: 06/28/2010
Data Release Frequency: Varies

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: 02/24/2010
Next Scheduled EDR Contact: 05/17/2010
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: 01/19/2010
Next Scheduled EDR Contact: 05/03/2010
Data Release Frequency: N/A

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/02/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 01/20/2010
Date Made Active in Reports: 02/05/2010
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/20/2010
Next Scheduled EDR Contact: 05/03/2010
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: 01/04/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 03/17/2010
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/11/2010
Next Scheduled EDR Contact: 05/24/2010
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 02/23/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 11/03/2009
Date Data Arrived at EDR: 02/12/2010
Date Made Active in Reports: 02/22/2010
Number of Days to Update: 10

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 03/01/2010
Next Scheduled EDR Contact: 06/14/2010
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 02/18/2010
Date Made Active in Reports: 02/25/2010
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/25/2010
Next Scheduled EDR Contact: 05/10/2010
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: 03/22/2010
Next Scheduled EDR Contact: 07/05/2010
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 2003 & 2009 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

GMPT PARMA MLC-1203
5400 CHEVROLET BOULEVARD
CLEVELAND, OH 44130

TARGET PROPERTY COORDINATES

Latitude (North):	41.41160 - 41° 24' 41.8"
Longitude (West):	81.77 - 81° 46' 12.0"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	435644.3
UTM Y (Meters):	4584523.5
Elevation:	797 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	41081-D7 LAKEWOOD, OH
Most Recent Revision:	1994

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).

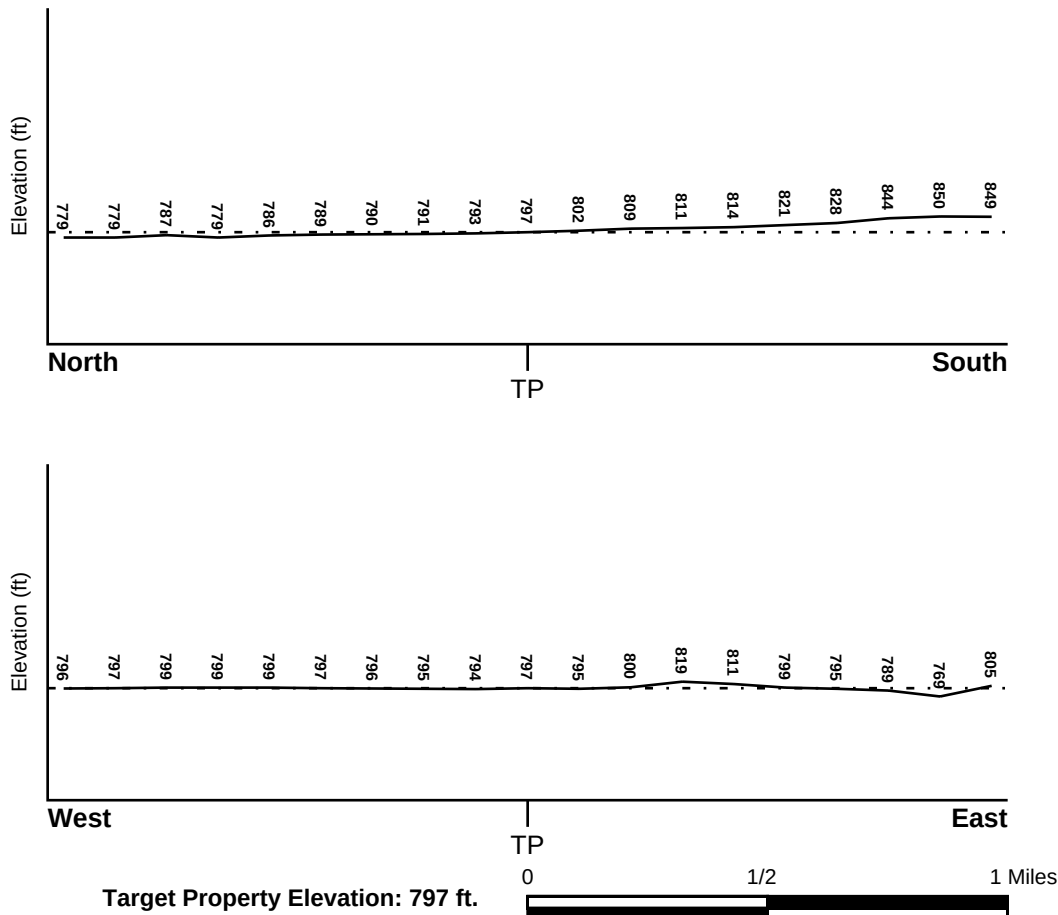
TOPOGRAPHIC INFORMATION

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 NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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
CUYAHOGA, OH

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 3901230002B - FEMA Q3 Flood data

Additional Panels in search area:

- 3901040025B - FEMA Q3 Flood data
- 3901040020B - FEMA Q3 Flood data
- 3901000001C - FEMA Q3 Flood data
- 3901020001B - FEMA Q3 Flood data
- 3901240001B - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
LAKEWOOD

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	1/8 - 1/4 Mile SSE	NW
2	1/4 - 1/2 Mile North	SSW
7	1/2 - 1 Mile WSW	SW

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

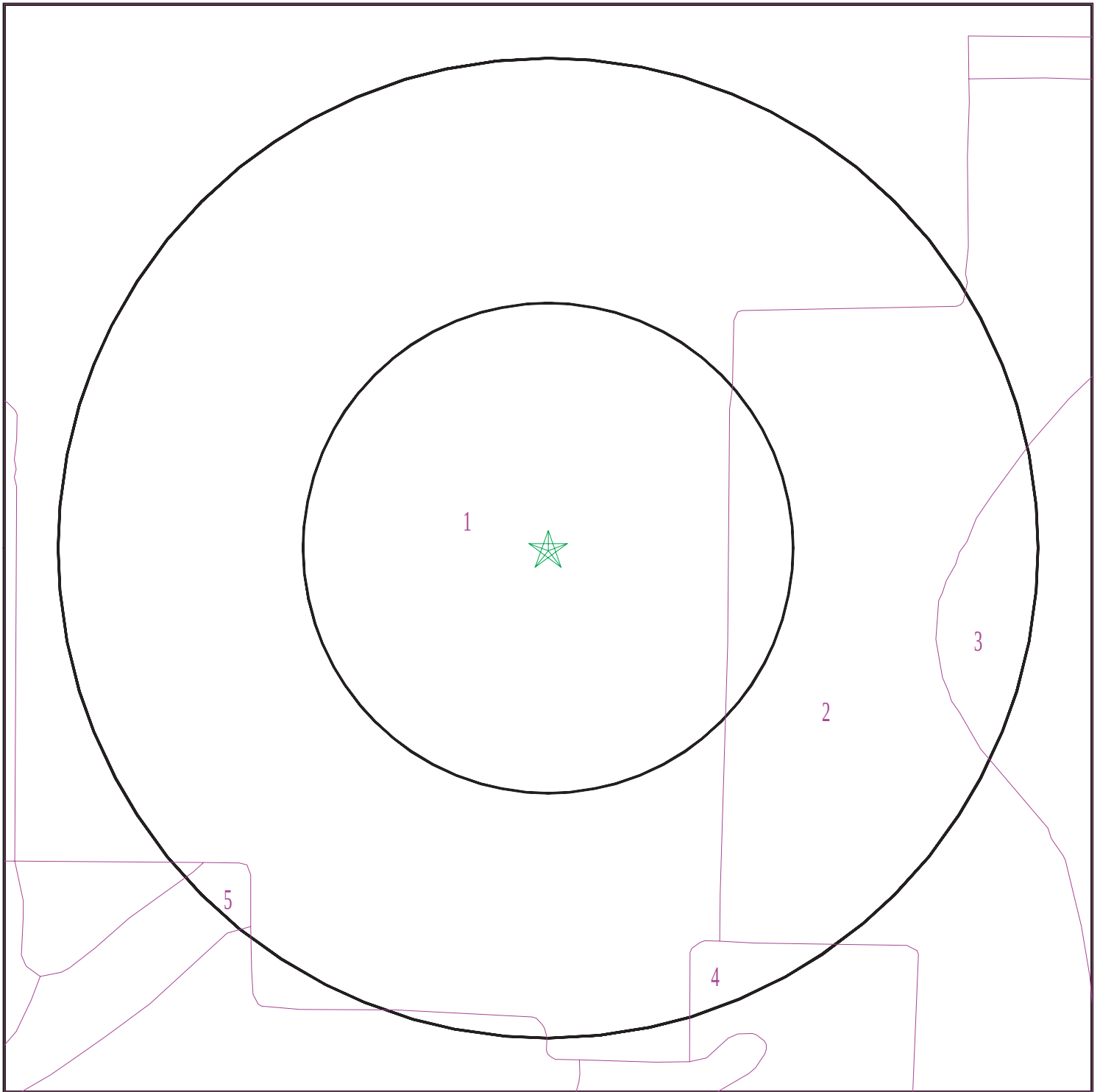
Era:	Paleozoic
System:	Mississippian
Series:	Mississippian
Code:	M (decoded above as Era, System & Series)

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 - 2743220.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: GMPT Parma MLC-1203
ADDRESS: 5400 Chevrolet Boulevard
Cleveland OH 44130
LAT/LONG: 41.4116 / 81.7700

CLIENT: LFR Inc.
CONTACT: Todd Aebie
INQUIRY #: 2743220.2s
DATE: April 12, 2010 2:17 pm

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: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 53 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: Ellsworth

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 76 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 8.4 Min: 6.6
2	7 inches	42 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 8.4 Min: 6.6
3	42 inches	59 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 8.4 Min: 6.6

Soil Map ID: 4

Soil Component Name: Mahoning

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 53 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 8.4 Min: 7.4
2	7 inches	38 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 8.4 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	38 inches	59 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 8.4 Min: 7.4

Soil Map ID: 5

Soil Component Name: Mahoning

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 53 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 8.4 Min: 7.4
2	7 inches	38 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 8.4 Min: 7.4
3	38 inches	59 inches		Not reported	Not reported	Max: 1.41 Min: 0	Max: 8.4 Min: 7.4

Soil Map ID: 6

Soil Component Name: Condit

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silty clay loam	Not reported	Not reported	Max: 4.23 Min: 0.42	Max: 8.4 Min: 7.4
2	7 inches	51 inches		Not reported	Not reported	Max: 4.23 Min: 0.42	Max: 8.4 Min: 7.4
3	51 inches	59 inches		Not reported	Not reported	Max: 4.23 Min: 0.42	Max: 8.4 Min: 7.4

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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

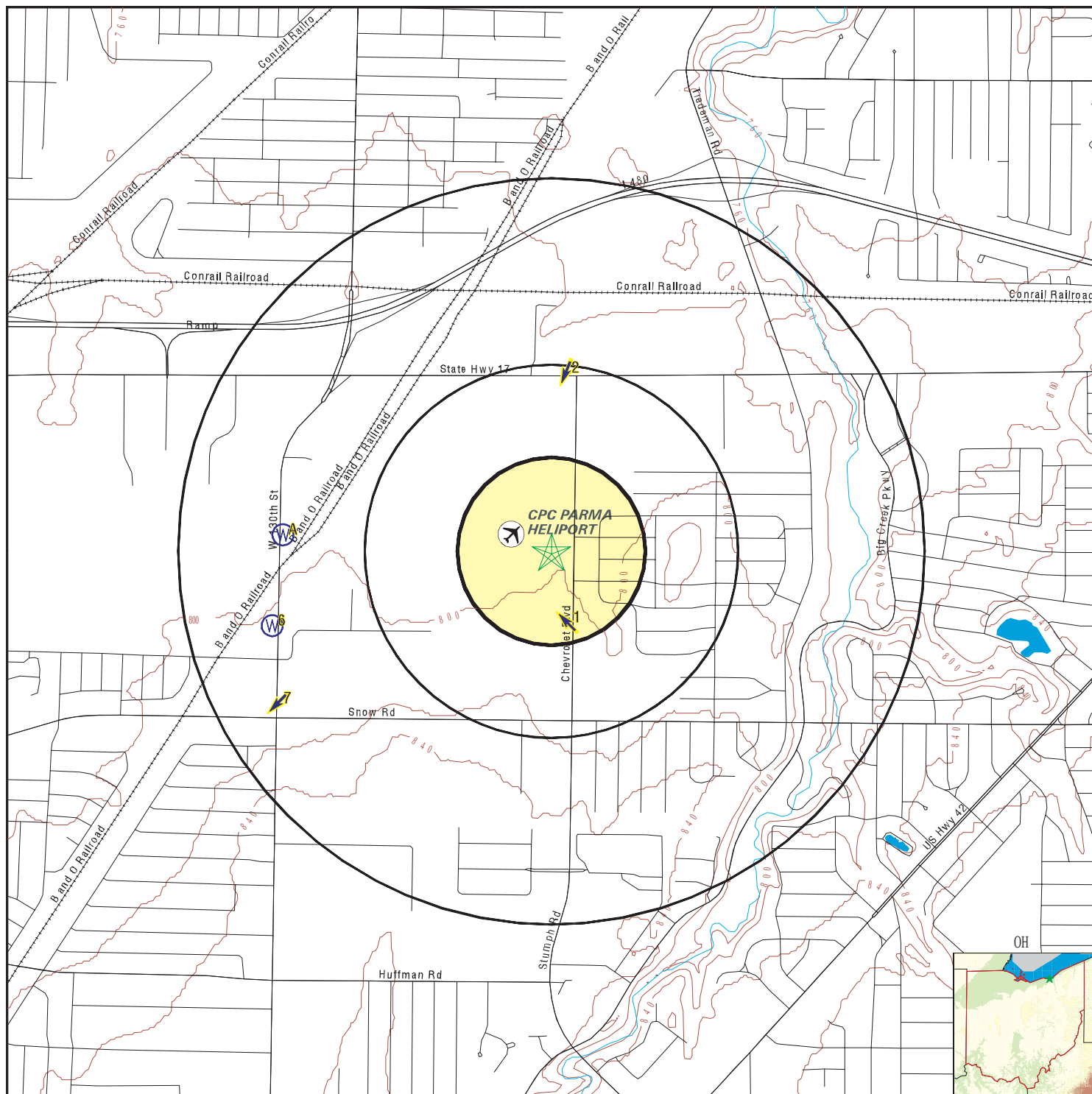
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A3	OHD400000253342	1/2 - 1 Mile West
A4	OHD400000253343	1/2 - 1 Mile West
A5	OHD400000253341	1/2 - 1 Mile West
6	OHD400000252798	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 2743220.2s



- 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



SITE NAME: GMPT Parma MLC-1203
 ADDRESS: 5400 Chevrolet Boulevard
 Cleveland OH 44130
 LAT/LONG: 41.4116 / 81.7700

CLIENT: LFR Inc.
 CONTACT: Todd Aebie
 INQUIRY #: 2743220.2s
 DATE: April 12, 2010 2:17 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1	Site ID:	1850668		
SSE	Groundwater Flow:	NW	AQUIFLOW	11916
1/8 - 1/4 Mile	Shallow Water Depth:	Not Reported		
Higher	Deep Water Depth:	Not Reported		
	Average Water Depth:	15		
	Date:	12/1995		

2	Site ID:	188261-02		
North	Groundwater Flow:	SSW	AQUIFLOW	20423
1/4 - 1/2 Mile	Shallow Water Depth:	4.0		
Lower	Deep Water Depth:	17.0		
	Average Water Depth:	Not Reported		
	Date:	5/1991		

A3			OH WELLS	OHD400000253342
West				
1/2 - 1 Mile				
Higher				

Oid :	779409		
Well log n:	2020205		
Well type :	WATER WELL		
End user i:	4249		
Cnty code:	35	Twp code:	2125
Orig owner:	Not Reported	Orig own 1:	MANUFACTURED TOOL & DIE
Drill type:	ROTONSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SILT/SAND/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:	W		
St no:	5389		
St name:	130	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	CLEVELAND	State code:	OH
Zip:	44230		
Well loc d:	CMT WELL		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.41219		
Longitude:	-81.78399		
Source of :	MAP-OTHERS	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	10		
S water me:	T	S water 1:	09/10/1999
Cas ht:	0		
Screen len:	1		
Total dept:	25		
Date of co:	09/09/2008	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:	25		
Screened 1:	10		
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:	OHD400000253342		

**A4
West
1/2 - 1 Mile
Higher**

OH WELLS OHD400000253343

Oid :	779410		
Well log n:	2020206		
Well type :	WATER WELL		
End user i:	4249		
Cnty code:	35	Twp code:	2125
Orig owner:	Not Reported	Orig own 1:	MANUFACTURED TOOL & DIE
Drill type:	ROTONSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SILT/SAND/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:	W		
St no:	5389		
St name:	130	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	CLEVELAND	State code:	OH

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zip:	44230		
Well loc d:	1420 CMT 2		
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:	41.41219		
Longitude:	-81.78399		
Source of :	MAP-OTHERS	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	10		
S water me:	G	S water 1:	09/10/1999
Cas ht:	0		
Screen len:	1		
Total dept:	25		
Date of co:	09/09/2008	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:	25		
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:	OHD400000253343		

A5
West
1/2 - 1 Mile
Higher

OH WELLS OHD400000253341

Oid :	779114		
Well log n:	2020208		
Well type :	WATER WELL		
End user i:	4249		
Cnty code:	35	Twp code:	2125
Orig owner:	Not Reported	Orig own 1:	MANUFACTURED TOOL & DIE
Drill type:	ROTONSONIC	Test type :	Not Reported
Well use c:	MONITOR	Aquifer ty:	SILT/SAND/GRAVEL
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	5389		
St name:	130	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	CLEVELAND	State code:	OH
Zip:	44230		
Well loc d:	SVE01		
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:	41.41219		
Longitude:	-81.78399		
Source of :	MAP-OTHERS	Flowing we:	N
Test rate:	0		
Draw down:	0		
Draw down :	0		
S water le:	10		
S water me:	G	S water 1:	09/10/1999
Cas ht:	0		
Screen len:	20		
Total dept:	25		
Date of co:	09/09/2008	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:	25		
Screened 1:	5		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	4		
Screen typ:	CONTINUOUS WIRE WOUND	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:	OHD400000253341		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

6
WSW
1/2 - 1 Mile
Higher

OH WELLS OHD400000252798

Oid :	726816		
Well log n:	139		
Well type :	WATER WELL		
End user i:	0		
Cnty code:	35	Twp code:	1770
Orig owner:	Not Reported	Orig own 1:	CLEVELAND ELECTRIC
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	DRY/NO WATER	Aquifer ty:	ROCK
Loc map ye:	1978	Loc area:	Not Reported
Loc no:	177		
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:	0		
St name:	130TH	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:	2196339.34		
Horiz y:	1242524.78		
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:	41.408661		
Longitude:	-81.784545		
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:	09/15/1998
Cas ht:	0		
Screen len:	0		
Total dept:	75		
Date of co:	09/15/1998	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	Not Reported		
Well seal :	0		
Screen slo:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	OHD400000252798			

7
WSW
1/2 - 1 Mile
Higher

Site ID:	18022037-00
Groundwater Flow:	SW
Shallow Water Depth:	1.57
Deep Water Depth:	10.63
Average Water Depth:	Not Reported
Date:	4/2/1996

AQUIFLOW 12156

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.
44130	260	1.5	0.9	2.5	0.1	35.4

Federal EPA Radon Zone for CUYAHOGA County: 2

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: 44130

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.000 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.733 pCi/L	100%	0%	0%

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 2003 & 2009 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 looking west at the Parma Powertrain Assembly Plant Sign at the front of the building.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #2

Description of Photograph:

View of the northern portion of Site and the adjacent GM Parma Fabrication Facility—outside storage area for racks.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #3

Description of Photograph:

Diesel fuel storage tank, with secondary containment, located on the northern side of the Assembly Plant. The AST serves the emergency generator.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #4

Description of Photograph:

Oil/water skimmer at the adjacent GM Parma Fabrication Facility retention pond. Most of the surface water from the Assembly Plant drains into the retention pond.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #5

Description of Photograph:

View of the new property boundary (to the right of the railroad spur) and the existing rail spur into the Assembly Plant, looking to the west.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #6

Description of Photograph:

View of the rear portion of the Assembly Plant property, wooded, and overgrown.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #7

Description of Photograph:

View of the water cooling tower for cooling furnace water at the Assembly Plant, located at the southwest corner of the Assembly Plant.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #8

Description of Photograph:

Area along the south side of the Site where a possible natural spring flows and vegetation does not grow.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #9

Description of Photograph:

View of the interior of the Plant, and down into several of the pits at the Assembly Plant. Note: the pit is dry and clean.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #10

Description of Photograph:

View of the water, either surface or groundwater which infiltrates into the pit where it mixes with oil.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #11

Description of Photograph:

View of the interior of the Assembly Plant, and down into several of the pits at the Plant. The pit has been pumped of any oily material when the furnace was removed. Note: the pit is dry and clean.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #12

Description of Photograph:

View of a rail spur inside of the Plant, on the south side. Now area appears to only be used by trucks for deliveries and pick-ups.

Site Location:

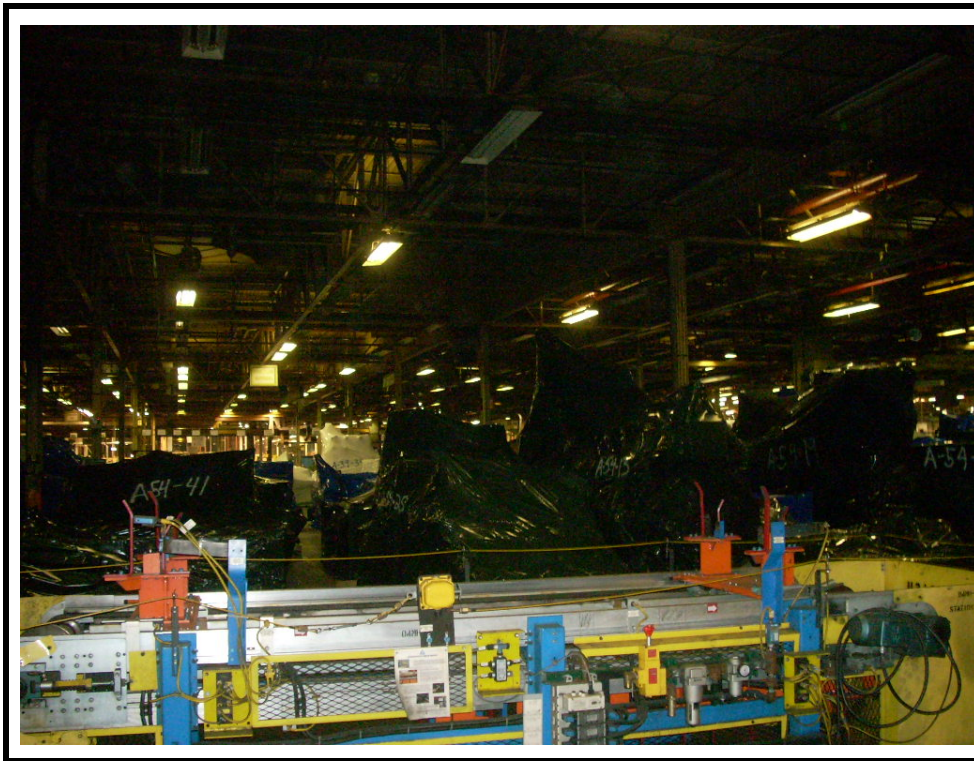
GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #13

Description of Photograph:

View of equipment being stored in the Plant. Approx. 30% of the building is being used for equipment storage from the adjacent GM Parma Fabrication Facility

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #14

Description of Photograph:

View of one of the truck loading docks at the Plant.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #15

Description of Photograph:

One of the waste collection drums for waste stamping ink used to stamp and mark parts.

Site Location:

GM Parma Powertrain Assembly
Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #16

Description of Photograph:

Staining of the floor near the wall. Wall faces eastward.

Site Location:

GM Parma Powertrain Assembly
Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #17

Description of Photograph:

View of one of the hazardous waste satellite “accumulation areas”. None of the areas where wastes are collected has been considered as official storage sites. The drum collects filter socks with lead.

Site Location:

GM Parma Powertrain Assembly
Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #16

Description of Photograph:

View used oil storage totes and drums.

Site Location:

GM Parma Powertrain Assembly
Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #16

Description of Photograph:

Industrial wastewater sump; located near the northern portion of the Assembly Plant. The industrial wastewater is collected and pumped to the adjacent wastewater treatment plant for treatment prior to discharge.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #20

Description of Photograph:

Industrial wastewater sump; located near the northern portion of the Assembly Plant. Aboveground pump and piping leading to the adjacent wastewater treatment plant.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #21

Description of Photograph:

New product storage area.

Site Location:

GM Parma Powertrain Assembly
Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #22

Description of Photograph:

One of several moveable storage
carts noted at the Site.

Site Location:

GM Parma Powertrain Assembly
Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #23

Description of Photograph:

New and used (waste) product storage area.

Site Location:

GM Parma Powertrain Assembly
Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #24

Description of Photograph:

Waste oil drums and buckets. Note: No secondary containment or spill control near the drums and buckets.

Site Location:

GM Parma Powertrain Assembly
Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #25

Description of Photograph:

View of the interior of the wash room area. Wash waters are pumped to the industrial wastewater sump.

Site Location:

GM Parma Powertrain Assembly
Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #26

Description of Photograph:

View of the former battery charging and storage area. Batteries for forklifts and other powered equipment were charged here. Concrete was granular along with battery salts.

Site Location:

GM Parma Powertrain Assembly
Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #27

Description of Photograph:

View inside the second floor office area. The second floor also contained a cafeteria, computer room, locker rooms, exercise room, storage areas, etc.

Site Location:

GM Parma Powertrain Assembly
Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #28

Description of Photograph:

View across the parking lot located near the main entrance to the Plant. View is looking south.

Site Location:

GM Parma Powertrain Assembly
Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #29

Description of Photograph:

View looking northeast from the security entrance. Building shown is a pump house, on the GM Parma Fabrication Facility property.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #30

Description of Photograph:

View looking north from the adjacent property to the south at the GM Parma Powertrain Plant.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #31

Description of Photograph:

View looking at the adjacent property to the southeast is a trucking firm. Large ASTs were noted on the trucking firm property.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #32

Description of Photograph:

View of the water tower used to help supply water to both the GM Parma Powertrain and GM Parma Fabrication Facilities.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #33

Description of Photograph:

View of the NPDES permitted outfall located north of the GM Parma Fabrication Facility where storm water is discharged to an unnamed tributary of Big Creek.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010



Photograph #34

Description of Photograph:

Front of the adjacent GM Parma Fabrication Facility located to the north of the GM Parma Powertrain Plant.

Site Location:

GM Parma Powertrain Assembly Plant MLC-1203
Parma, Ohio

Photograph Taken By:

Todd J. Aebie

Date of Photograph:

April 16, 2010

APPENDIX E

Cuyahoga County Auditors Information

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CUYAHOGA COUNTY AUDITOR
Frank Russo


Real Property Information

[General Information](#)
[Transfer History](#)
[Land Record](#)
[Residential Bldg. Sketch](#)
[Taxes/ Cert. Values](#)
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PRIMARY OWNER General Motors
PROPERTY ADDRESS 5400 CHEVROLET Blvd, PARMA, OH 44129
TAX MAILING ADDRESS ATTN RICHARD COLBY TAX STAFF GENERAL MOTORS CORP, PO BOX 9024 DETROIT, MI 48202
LEGAL DESCRIPTION S/L RES VOL 333 PAGE 16 AC 194.697 OL 24 2005 S/R LOT SPLIT & CONSOLIDATIO N [Field Definitions](#)
PROPERTY CLASS MANUFACTURING AND ASSEMBLY LIGHT

2009 (pay in 2010) TAXBILL SUMMARY

PARCEL NUMBER 441-12-001 **TAXSET** Parma **TAX YEAR** 2009 (pay in 2010)

ASSESSED VALUES

LAND VALUE 2,942,940.00
BUILDING VALUE 4,863,180.00
TOTAL VALUE 7,806,120.00
HOMESTEAD VALUE 0

MARKET VALUES

LAND VALUE 8,408,400.00
BUILDING VALUE 13,894,800.00
TOTAL VALUE 22,303,200.00

FLAGS

2.5% RED. N
HOMESTEAD N
FORECLOSURE N
CERT. PEND. N
CERT. SOLD N
PAYMENT PLAN N

HALF YEAR CHARGE AMOUNTS

GROSS TAX 365,716.72
LESS 920 RED 87,248.32
SUB TOTAL 278,468.40
10% RED. AMOUNT 0.00
2.5% RED. AMOUNT 0.00
HOMESTEAD RED. AMOUNT 0.00
TOTAL ASSESSMENTS 13,676.65
HALF YEAR NET TAXES 292,145.05

RATES

FULL RATE 93.7
920 RED. RATE .238568
EFFECTIVE RATE 71.346174

ESCROW

ESCROW N
PMT. AMOUNT 0.00

ACCOUNT

	CHARGES	PAYMENTS	BALANCE DUE
TAX BALANCE SUMMARY:	584,290.10	292,145.05	292,145.05

2009 (pay in 2010) CHARGE AND PAYMENT DETAIL

TAXSET	CHARGE TYPE	CHARGES	PAYMENTS	BALANCE
Parma	1st half tax	278,468.40	278,468.40	0.00
	1st half penalty	0.00	0.00	0.00
	1ST HALF BALANCE	278,468.40	278,468.40	0.00
	2nd half tax	278,468.40	0.00	278,468.40
	2ND HALF BALANCE	278,468.40	0.00	278,468.40

Tax Information is up to the hour - tell me more.

M205306-Street Lites	1st half tax	3,522.50	3,522.50	0.00
	1st half penalty	0.00	0.00	0.00
	1st half SPA fee	35.23	35.23	0.00
	1st half SPA fee penalty	0.00	0.00	0.00
	1ST HALF BALANCE	3,557.73	3,557.73	0.00
	2nd half tax	3,522.50	0.00	3,522.50
	2nd half SPA fee	35.23	0.00	35.23
	2ND HALF BALANCE	3,557.73	0.00	3,557.73
M375326-Paving & Sewer, Water, Curb Co	1st half SPA fee	59.96	59.96	0.00
	1st half SPA fee penalty	0.00	0.00	0.00
	1st half penalty	0.00	0.00	0.00
	1st half tax	5,995.78	5,995.78	0.00
	1ST HALF BALANCE	6,055.74	6,055.74	0.00
	2nd half tax	5,995.78	0.00	5,995.78
	2nd half SPA fee	59.96	0.00	59.96
	2ND HALF BALANCE	6,055.74	0.00	6,055.74
C100724-Sewer Maintenance	1st half tax	4,063.18	4,063.18	0.00
	1st half penalty	0.00	0.00	0.00
	1ST HALF BALANCE	4,063.18	4,063.18	0.00
	2nd half tax	4,063.18	0.00	4,063.18
	2ND HALF BALANCE	4,063.18	0.00	4,063.18
TOTAL BALANCE		584,290.10	292,145.05	292,145.05

CUYAHOGA COUNTY ASSUMES NO LIABILITY FOR DAMAGES AS A RESULT OF ERRORS, OMISSIONS OR DISCREPANCIES CONTAINED IN THESE PAGES.
 PROSPECTIVE PURCHASERS SHOULD CONSULT A REAL ESTATE ATTORNEY AND PURCHASE A TITLE INSURANCE POLICY PRIOR TO THE SALE.

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CUYAHOGA COUNTY AUDITOR
Frank Russo



Real Property Information

[General Information](#) [Transfer History](#) [Land Record](#) [Residential Bldg. Sketch](#) [Taxes/ Cert. Values](#) [Search Page](#)

PARCEL ID 441-12-001
OWNERS NAME General Motors
ADDRESS 05400 CHEVROLET BLVD
CITY PARMA
ZIP 44129

[Field Definition](#)**General Information**

OWNER	General Motors	UNIT NUMBER	
CLASS	I	TAX DISTRICT	250
LAND USE	3400	OWNER OCCUPIED	
LAND USE 2		TAX ABATEMENT	
ROAD TYPE		NEIGHBORHOOD	53011
WATER		TOTAL BUILDINGS	0
GAS			
SEWER			
ELECTRICITY			

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PARCEL ID 441-12-001
OWNERS NAME General Motors
ADDRESS 05400 CHEVROLET BLVD
CITY PARMA
ZIP 44129

[Field Definitions](#)**Land Record**

RECORD NUMBER	1	EFFECTIVE FRONT
LAND TYPE		AVG DEPTH
LEGAL FRONT	549.6	LOT SIZE (SQFT.)
LEGAL DEPTH		

CUYAHOGA COUNTY ASSUMES NO LIABILITY FOR DAMAGES AS A RESULT OF ERRORS, OMISSIONS OR DISCREPANCIES CONTAINED IN THESE PAGES.
PROSPECTIVE PURCHASERS SHOULD CONSULT A REAL ESTATE ATTORNEY AND PURCHASE A TITLE INSURANCE POLICY PRIOR TO THE SALE.

APPENDIX F

Cuyahoga County Health Department Information

Lindsay, Doug

To: Aebie, Todd
Subject: RE: Request for Information

From: Aebie, Todd
Sent: Monday, April 19, 2010 11:11 AM
To: 'dtussel@ccbh.net'
Subject: Request for Information

Good Morning,

My name is Todd Aebie, and I am a geologist with ARCADIS. Last week I conducted an environmental Phase I site inspection of the property located at 5400 Chevrolet Blvd, Parma Ohio (Specifically the GM Powertrain Facility). As part of the Phase I site inspection, I need to contact the Health Department to see if there have been any Health Department responses to the Site for environmental issues, spills, leaks, Hazmat, complaints, etc., To the best of your knowledge, has the Cuyahoga County Health Department responded to the site for any of the above mentioned incidents?

Please let me know either via email at todd.aebie@arcadis-us.com or via cell phone at 614-579-0007.

Thank you for your assistance.

Todd Aebie

Todd Aebie | Geologist | Todd.Aebie@arcadis-us.com

ARCADIS U.S., Inc. | 284 Cramer Creek Court | Dublin, Ohio 43017
T. 614.764.2310 | M. 614.579.0007 | F. 614.764.1270
www.arcadis-us.com

ARCADIS, Imagine the result
Please consider the environment before printing this email.

APPENDIX G

RBR Air Permit and NPDES Permit



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Title V Permit
Permit Number: P0095728
Facility ID: 1318451029
Effective Date: 4/1/2009

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

a) 3.

2. The following insignificant emissions units are located at this facility:

G002 - Diesel storage tank (OAC rule 3745-31-03(A)(1)(l));
P025 - #1 Sub Diesel (2) 300 HP emergency generator (OAC rule 3745-31-03(A)(4)(b));
P026 - 85 HP Diesel Water Pump (OAC rule 3745-31-03(A)(4)(b));
~~P027 - 335 HP Powertrain Diesel emergency generator (OAC rule 3745-31-03(A)(4)(b));~~
P028 - 192 HP No.3 Diesel Fire Fighting Water Pump (OAC rule 3745-31-03(A)(4)(b));
P029 - 415 HP Screw Pump Diesel emergency generator (OAC rule 3745-31-03(A)(4)(b));
P030 - 630 HP Powerhouse Diesel emergency generator (OAC rule 3745-31-03(A)(4)(b));
P031 - 175 HP Diesel Firefighting Water Pump (OAC rule 3745-31-03(A)(4)(b));
Z014 - maintenance paint booth (OAC rule 3745-31-03(A)(1)(kk));
Z022 - maintenance solvent cleaner (OAC rule 3745-31-03(A)(1)(w));
~~Z023 - process machining (OAC rule 3745-31-03(A)(1)(ii)) and (OAC rule 3745-31-03(A)(1)(y));~~
Z036 - 370 HP No.1 Diesel Firefighting water Pump (OAC rule 3745-31-03(A)(4)(b)); and
Z037 - 150 KW Natural Gas emergency generator (OAC rule 3745-31-03(A)(4)(b)).

Each insignificant emissions unit at this facility must comply with all applicable State and Federal regulations, as well as any emissions limitations and/or control requirements contained within a permit-to-install for that emissions unit. Insignificant emissions units listed above that are not subject to specific permit-to-install requirements are subject to one or more applicable requirements contained in the federally-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21.

3. The following insignificant emissions units are located at this facility are exempt from permit requirements because they are not subject to any applicable requirements (as defined in OAC rule 3745-77-01(H)) or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

F001 - unpaved roadway and parking areas (OAC rule 3745-15-05);
P001 - wastewater treatment plant (OAC rule 3745-15-05);
~~P004 - process parts washer (OAC rule 3745-15-05);~~
Z001 - Videojet 285040 J-3 (OAC rule 3745-15-05);
Z002 - Videojet 285041 J-3 (OAC rule 3745-15-05);
Z003 - Videojet M 14887 H-3 (OAC rule 3745-15-05);
Z004 - Videojet M 14888 D-2 (OAC rule 3745-15-05);
Z005 - Videojet M 20564 S-2 (OAC rule 3745-15-05);
Z006 - Videojet M 20553 U-4 (OAC rule 3745-15-05);
Z007 - Videojet M 14885 L-10 (OAC rule 3745-15-05);
Z008 - Videojet M 14886 Q-6 (OAC rule 3745-15-05);
Z009 - Videojet M 14880 Q-2 (OAC rule 3745-15-05);
Z010 - Videojet M 20555 R-4 (OAC rule 3745-15-05);



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Title V Permit
Permit Number: P0095728
Facility ID: 1318451029
Effective Date: 4/1/2009

~~Z011 - Videojet M-20556 R-2 (OAC rule 3745-15-05);~~
Z015 - 1,000-gallon stormwater separator skim oil tank (OAC rule 3745-15-05);
Z016 - 12,000-gallon oil storage tank 2 (OAC rule 3745-15-05);
Z017 - 12,000-gallon oil storage tank 3 (OAC rule 3745-15-05);
Z018 - 12,000-gallon oil storage tank 4 (OAC rule 3745-15-05);
Z019 - 12,000-gallon oil storage tank 5 (OAC rule 3745-15-05);
Z020 - 12,000-gallon oil storage tank 6 (OAC rule 3745-15-05);
Z021 - 12,000-gallon oil storage tank 7 (OAC rule 3745-15-05);
Z024 - 500-gallon portable gasoline storage tank 8 (OAC rule 3745-15-05);
~~Z025 - 500-gallon diesel storage tank 9 for power train (OAC rule 3745-15-05);~~
Z026 - 250-gallon diesel storage tank 10 for screw pump (OAC rule 3745-15-05);
Z027 - 12,000-gallon storage tank 11 (OAC rule 3745-15-05);
Z028 - 12,000-gallon storage tank 12 (OAC rule 3745-15-05);
Z029 - 12,000-gallon storage tank 13 (OAC rule 3745-15-05);
Z030 - 12,000-gallon storage tank 14 (OAC rule 3745-15-05);
Z031 - 290-gallon diesel storage tank 15 for No.1 fire pump (OAC rule 3745-15-05);
Z032 - 290-gallon diesel storage tank 16 for No.2 fire pump (OAC rule 3745-15-05);
~~Z033 - 300-gallon kerosene storage tank 17 (OAC rule 3745-15-05);~~
Z038 - No.3 Fire Pump Diesel Storage Tank (OAC rule 3745-15-05);
Z039 - Power House Diesel Storage Tank (OAC rule 3745-15-05);
Z040 - Gas-Fired Heaters (OAC rule 3745-15-05); and
Z041 - Carpenter Shop (OAC rule 3745-15-05)

Application No. OH0002275

Issue Date: September 10, 2009

Effective Date: October 1, 2009

Expiration Date: September 30, 2014

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 LLC

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the General Motors Parma Plant wastewater treatment works located at 5400 Chevrolet Boulevard, Parma, Ohio, Cuyahoga County and discharging to an unnamed tributary of the West Branch of Big Creek 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: 28

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, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 3IS00043001. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 001 - Final

Effluent Characteristic Parameter	Discharge Limitations				Monitoring Requirements		
	Concentration Specified Units		Loading* kg/day		Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly			
00400 - pH - S.U.	9.0	6.5	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	-	-	-	-	1/Month	Grab	All
00552 - Oil and Grease, Hexane Extr Method - mg/l	10	-	-	-	1 / 2 Weeks	Grab	All
01092 - Zinc, Total (Zn) - ug/l	-	-	-	-	1/Quarter	Grab	Quarterly
50050 - Flow Rate - MGD	-	-	-	-	1 / 2 Weeks	24hr Total Estimate	All

Notes for Station Number 3IS00043001:

- The discharge from this outfall is limited to fire system test water and storm water runoff. The discharge shall be free from process wastewaters and other contaminants.
- Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH:
- 1) eDMR users should select the "No Discharge" check box on the data entry form and enter "No discharge during the month" in the Remarks Section. PIN the eDMR.
- 2) Permittees reporting on paper should report "AL" in the first column of the first day of the month on the 4500 Form (Discharge Monitoring Report). Sign the form.

Part II, OTHER REQUIREMENTS

A. Description of the location of the required sampling stations are as follows:

Sampling Station	Description of Location
------------------	-------------------------

3IS00043001	At a point representative of the discharge prior to entering an unnamed tributary of the West Branch of Big Creek (Lat: 41N 25' 06"; Long: 81W 46' 15")
-------------	---

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. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.

D. 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.

E. Monitoring Report Name Change

The name of the monitoring reports required for each effluent table contained in this permit has been changed from "Monthly Operating Report" (MOR) to "Discharge Monitoring Report" (DMR). The circumstances requiring the submittal of a DMR remain the same as those which were required for an MOR. Form 4500 must be used for DMR submittal.

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 specifically 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 specifically 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 specifically 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 shall be submitted on Ohio EPA 4500 Discharge Monitoring Report (DMR) forms using the electronic DMR (e-DMR) internet application. e-DMR allows permitted facilities to enter, sign, and submit DMRs on the internet. It is accessed from the Ohio EPA eBusiness Center. The eBusiness Center is found on the following web page:

<http://www.epa.state.oh.us/dsw/swims/eDMR/eDMR.html>

Alternatively, if you are unable to use e-DMR due to a demonstrated hardship, monitoring data may be submitted on paper DMR forms provided by Ohio EPA. Monitoring data shall be typed on the forms. Please contact Ohio EPA, Division of Surface Water at (614) 644-2050 if you wish to receive paper DMR forms.

B. DMRs shall be signed by a facility's Responsible Official or a Delegated Responsible Official (i.e. a person delegated by the Responsible Official). The Responsible Official of a facility is defined as:

1. For corporations - a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation; or the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
2. For partnerships - a general partner;
3. For a sole proprietorship - the proprietor; or,
4. For a municipality, state or other public facility - a principal executive officer, a ranking elected official or other duly authorized employee.

For e-DMR, the person signing and submitting the DMR will need to obtain an eBusiness Center account and Personal Identification Number (PIN). Additionally, Delegated Responsible Officials must be delegated by the Responsible Official, either on-line using the eBusiness Center's delegation function, or on a paper delegation form provided by Ohio EPA. For more information on the PIN and delegation processes, please view the following web page:

<http://www.epa.state.oh.us/dsw/swims/eDMR/eDMRpin.html>

C. DMRs submitted using e-DMR shall be submitted to Ohio EPA by the 20th day of the month following the month-of-interest. DMRs submitted on paper must include the original signed DMR form and shall be mailed to Ohio EPA at the following address so that they are received no later than the 15th day of the month following the month-of-interest:

Ohio Environmental Protection Agency
Lazarus Government Center
Division of Surface Water - PCU
P.O. Box 1049
Columbus, Ohio 43216-1049

D. Regardless of the submission method, a copy of the submitted Ohio EPA 4500 DMR must be signed by a Responsible Official or a Delegated Responsible Official and maintained onsite for records retention purposes (see Section 7. RECORDS RETENTION). For e-DMR users, a copy of the DMR can be printed from e-DMR.

E. 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 in Section 5. SAMPLING AND ANALYTICAL METHODS, the results of such monitoring shall be included in the calculation and reporting of the values required in the reports specified above.

F. Analyses of pollutants not required by this permit, except as noted in the preceding paragraph, shall not be reported to the Ohio EPA, but records shall be retained as specified in Section 7. 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. Bypass is prohibited, and the Director may take enforcement action against a permittee for bypass, 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 equipment 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 section 11.B.

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 anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed above in paragraph 11.A. of this section.

D. The permittee shall submit notice of an unanticipated bypass as required in section 12.A.

12. NONCOMPLIANCE NOTIFICATION

A. Exceedance of a Daily Maximum Discharge Limit

1. The permittee shall report noncompliance that is the result of any violation of a daily maximum discharge limit for any of the pollutants listed by the Director in the permit by e-mail or telephone within twenty-four (24) hours of discovery.

The permittee may report to the appropriate Ohio EPA district office e-mail account as follows (this method is preferred):

Southeast District Office: sedo24hournpdes@epa.state.oh.us
Southwest District Office: swdo24hournpdes@epa.state.oh.us
Northwest District Office: nwdo24hournpdes@epa.state.oh.us
Northeast District Office: nedo24hournpdes@epa.state.oh.us
Central District Office: cdo24hournpdes@epa.state.oh.us
Central Office: co24hournpdes@epa.state.oh.us

The permittee shall attach a noncompliance report to the e-mail. A noncompliance report form is available on the following web site:

<http://www.epa.state.oh.us/dsw/permits/permits.html>

Or, the permittee may report to the appropriate Ohio EPA district office by telephone toll-free between 8:00 AM and 5:00 PM as follows:

Southeast District Office: (800) 686-7330
Southwest District Office: (800) 686-8930
Northwest District Office: (800) 686-6930
Northeast District Office: (800) 686-6330
Central District Office: (800) 686-2330
Central Office: (614) 644-2001

The permittee shall include the following information in the telephone noncompliance report:

- a. The name of the permittee, and a contact name and telephone number;
- b. The limit(s) that has been exceeded;
- c. The extent of the exceedance(s);
- d. The cause of the exceedance(s);
- e. The period of the exceedance(s) including exact dates and times;
- f. If uncorrected, the anticipated time the exceedance(s) is expected to continue; and,
- g. Steps taken to reduce, eliminate or prevent occurrence of the exceedance(s).

B. Other Permit Violations

1. The permittee shall report noncompliance that is the result of any unanticipated bypass resulting in an exceedance of any effluent limit in the permit or any upset resulting in an exceedance of any effluent limit in the permit by e-mail or telephone within twenty-four (24) hours of discovery.

The permittee may report to the appropriate Ohio EPA district office e-mail account as follows (this method is preferred):

Southeast District Office: sedo24hournpdes@epa.state.oh.us
Southwest District Office: swdo24hournpdes@epa.state.oh.us
Northwest District Office: nwdo24hournpdes@epa.state.oh.us
Northeast District Office: nedo24hournpdes@epa.state.oh.us
Central District Office: cdo24hournpdes@epa.state.oh.us
Central Office: co24hournpdes@epa.state.oh.us

The permittee shall attach a noncompliance report to the e-mail. A noncompliance report form is available on the following web site:

<http://www.epa.state.oh.us/dsw/permits/permits.html>

Or, the permittee may report to the appropriate Ohio EPA district office by telephone toll-free between 8:00 AM and 5:00 PM as follows:

Southeast District Office: (800) 686-7330
Southwest District Office: (800) 686-8930
Northwest District Office: (800) 686-6930
Northeast District Office: (800) 686-6330
Central District Office: (800) 686-2330
Central Office: (614) 644-2001

The permittee shall include the following information in the telephone noncompliance report:

- a. The name of the permittee, and a contact name and telephone number;
- b. The time(s) at which the discharge occurred, and was discovered;
- c. The approximate amount and the characteristics of the discharge;

- d. The stream(s) affected by the discharge;
 - e. The circumstances which created the discharge;
 - f. The name and telephone number of the person(s) who have knowledge of these circumstances;
 - g. What remedial steps are being taken; and,
 - h. The name and telephone number of the person(s) responsible for such remedial steps.
2. The permittee shall report noncompliance that is the result of any spill or discharge which may endanger human health or the environment within thirty (30) minutes of discovery by calling the 24-Hour Emergency Hotline toll-free at (800) 282-9378. The permittee shall also report the spill or discharge by e-mail or telephone within twenty-four (24) hours of discovery in accordance with B.1 above.
- C. When the telephone option is used for the noncompliance reports required by A and B, the permittee shall submit to the appropriate Ohio EPA district office a confirmation letter and a completed noncompliance report within five (5) days of the discovery of the noncompliance. This follow up report is not necessary for the e-mail option which already includes a completed noncompliance report.
- D. If the permittee is unable to meet any date for achieving an event, as specified in a schedule of compliance in their permit, the permittee shall submit a written report to the appropriate Ohio EPA district office within fourteen (14) days of becoming aware of such a 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 other instances of permit noncompliance not reported under paragraphs A or B of this section on their monthly DMR submission. The DMR shall contain comments that include the information listed in paragraphs A or B as appropriate.
- F. If the permittee becomes aware that it failed to submit an application, or submitted incorrect information in an 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

Notwithstanding 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:

Part IV. STORM WATER POLLUTION PREVENTION PLANS (continued)

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.

Part IV. STORM WATER POLLUTION PREVENTION PLANS (continued)

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.

Part IV. STORM WATER POLLUTION PREVENTION PLANS (continued)

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.

Part IV. STORM WATER POLLUTION PREVENTION PLANS (continued)

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 _c	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 ¹	X									
µg/l	Copper, Total		X ¹				X	X	X		X		
µg/l	Arsenic, Total		X ²	X			X						
µg/l	Chromium, Total		X ²	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 ²	j	k	l ²
µg/l	Magnesium, Dissolved			X									
mg/l	Total Dissolved Solids			X									
mg/l	Total Organic Carbon			X									
µg/l	Barium, Total			X									
mg/l	Cyanide, Total			X									
µg/l	Mercury, Total			X									
µg/l	Selenium, Total			X									
µg/l	Silver, Total			X									
µg/l	Pentachlorophenol				X								
µg/l	Nickel, Total							X			X		
µg/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.i.
- 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.

Part V. NUMERIC EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

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.

Part V. NUMERIC EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

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;

Part VI. OTHER STORM WATER REQUIREMENTS, DEFINITIONS AND AUTHORIZATION (continued)

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 recurrence 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

City of Parma Fire Department Incident Report

PARMA FIRE PREVENTION BUREAU

6655 RIDGE ROAD

PARMA, OHIO 44129

440-885-1217 phone

440-866-2418 fax

To Todd Hebré

Fax # (614) - 764 - 1270

Date 4-20-10

Number of pages (3) Including the
cover page

A		MM DD YYYY		S-1		08-3370127		000		☐ Delete ☐ Change ☐ No Activity		NFIRS -1 Basic					
FDID: 18081		State: OH		Incident Date: 12 02 2008		Station		Incident Number		Exposure		Congress Tract					
B Location* ☐ Check this box to indicate that the address for this incident is provided on the Wildland fire Module in Section 4 "Alternative Location Specification". Use only for Wildland fires. ☒ Street address 5400 Chevrolet BLVD ☐ Intersection number/milepost Prefix street or Highway Street Type Suffix ☒ In front of Parma OH 44129 ☐ Rear of Apt./Suite/Room City State Zip Code ☐ Adjacent to ☐ Directions Cross street or directions, as applicable																	
C Incident Type * 411 Gasoline or other flammable Incident Type				E1 Date & Times Check boxes if dates are the same as Alarm Data. Alarm * 12 02 2008 16:52:00 ARRIVAL required, unless canceled or did not arrive ☒ Arrival * 12 02 2008 16:58:00 CONTROLLED optional, except for wildland fires ☒ Controlled 12 02 2008 17:22:00 LAST UNIT CLEARED, required except for wildland fires Last Unit 12 02 2008 17:38:00 ☒ Cleared				E2 Shift & Alarms Local Option S-1 Shift or Alarms District Platoon									
D Aid Given or Received* 1 ☐ Mutual aid received 2 ☐ Automatic aid recvd. 3 ☐ Mutual aid given 4 ☐ Automatic aid given 5 ☐ Other aid given N ☒ None Their FDID Their State Their Incident Number				E3 Special Studies Local Option Special Study ID# Special Study Value													
F Actions Taken * 44 Hazardous materials Primary Action Taken (1) Additional Action Taken (2) Additional Action Taken (3)				G1 Resources * ☒ Check this box and skip this section if an Apparatus or Personnel form is used. Apparatus Personnel Suppression EMS Other 0002 0005 ☐ Check box if resource counts include aid received resources.				G2 Estimated Dollar Losses & Values LOSSES: Required for all fires if known. Optional for non fires. None Property \$ 000 000 Contents \$ 000 000 PRE-INCIDENT VALUE: Optional Property \$ 000 000 Contents \$ 000 000									
Completed Modules ☐ Fire-2 ☐ Structure-3 ☐ Civil Fire Cas.-4 ☐ Fire Serv. Cas.-5 ☐ EMS-6 ☐ HazMat-7 ☐ Wildland Fire-8 ☒ Apparatus-9 ☒ Personnel-10 ☐ Arson-11				H1*Casualties None Deaths Injuries Fire Service Civilian H2 Detector Required for Confined Fires. 1 ☐ Detector alerted occupants 2 ☐ Detector did not alert them U ☐ Unknown				H3 Hazardous Materials Release N ☐ None 1 ☐ Natural Gas: slow leak, no evacuation or HazMat actions 2 ☐ Propane gas: <21 lb. tank (as in home BBQ grill) 3 ☒ Gasoline: vehicle fuel tank or portable container 4 ☐ Kerosene: fuel burning equipment or portable storage 5 ☐ Diesel fuel/fuel oil: vehicle fuel tank or portable 6 ☐ Household solvents: home/office spill, cleanup only 7 ☐ Motor oil: from engine or portable container 8 ☐ Paint: from paint cans totaling < 55 gallons 0 ☐ Other: Special HazMat notices required on spill > 55gal.. Please complete the HazMat form				I Mixed Use Property NN ☐ Not Mixed 10 ☐ Assembly use 20 ☐ Education use 33 ☐ Medical use 40 ☐ Residential use 51 ☐ Row of stores 53 ☐ Enclosed mall 58 ☐ Bus. & Residential 59 ☐ Office use 60 ☒ Industrial use 63 ☐ Military use 65 ☐ Farm use 00 ☐ Other mixed use					
J Property Use* Structures 131 ☐ Church, place of worship 161 ☐ Restaurant or cafeteria 162 ☐ Bar/Tavern or nightclub 213 ☐ Elementary school or kindergarten 215 ☐ High school or junior high 241 ☐ College, adult education 311 ☐ Care facility for the aged 331 ☐ Hospital Outside 124 ☐ Playground or park 655 ☐ Crops or orchard 669 ☐ Forest (timberland) 807 ☐ Outdoor storage area 919 ☐ Dump or sanitary landfill 931 ☐ Open land or field				341 ☐ Clinic, clinic type infirmary 342 ☐ Doctor/dentist office 361 ☐ Prison or jail, not juvenile 419 ☐ 1-or 2-Family dwelling 429 ☐ Multi-family dwelling 439 ☐ Rooming/boarding house 449 ☐ Commercial hotel or motel 459 ☐ Residential, board and care 464 ☐ Dormitory/barracks 519 ☐ Food and beverage sales 936 ☐ Vacant lot 938 ☐ Graded/care for plot of land 946 ☐ Lake, river, stream 951 ☐ Railroad right of way 960 ☐ Other street 961 ☐ Highway/divided highway 962 ☐ Residential street/driveway				539 ☐ Household goods, sales, repairs 579 ☐ Motor vehicle/boat sales/repair 571 ☐ Gas or service station 599 ☐ Business office 615 ☐ Electric generating plant 629 ☐ Laboratory/science lab 700 ☒ Manufacturing plant 819 ☐ Livestock/poultry storage (barn) 882 ☐ Non-residential parking garage 891 ☐ Warehouse 981 ☐ Construction site 984 ☐ Industrial plant yard Lookup and enter a Property Use code only if you have NOT checked a Property Use box. Property Use 700 Manufacturing, processing NFIRS-1 Revision 03/11/99									

K1 Person/Entity Involved

Local Option

Business name (if applicable)

216 - 265 - 5895

Area Code

Phone Number

☐ Check This Box if same address as incident location. Then skip the three duplicate address lines.

Mr., Ms., Mrs. First Name

MI

Last Name

Suffix

Number

Prefix Street or Highway

Street Type

Suffix

Post Office Box

Apt./Suite/Room

City

OH

44129

State

Zip Code

☐ More people involved? Check this box and attach Supplemental Forms (NFIRS-1S) as necessary

K2 Owner

☐ Same as person involved? Then check this box and skip the rest of this section.

Local Option

Business name (if applicable)

Area Code

Phone Number

☐ Check this box if same address as incident location. Then skip the three duplicate address lines.

Mr., Ms., Mrs. First Name

MI

Last Name

Suffix

Number

Prefix Street or Highway

Street Type

Suffix

Post Office Box

Apt./Suite/Room

City

State

Zip Code

L Remarks

Local Option

Small gasoline spill contained. When attempting to free up a tow motor that was stuck in the mud, the second tow motor fell on its side resulting in a gasoline leak out of the carburetor. Traffic in the southbound lane of Chevrolet Blvd. was diverted by PFD until arrival of PPD. Tow motor was then returned to upright position and Chevrolet Safety Personnel, and Environmental Personnel to secure scene. Contact Person for Chevrolet Safety is Judy Bayley (216-265-5895)

L Authorization

1050

Officer in charge ID

Frantz, Michael

Signature

FFP

Position or rank

Assignment

12

02

2008

Check Box if same as Officer in charge.

1050

Member making report ID

Frantz, Michael

Signature

FFP

Position or rank

Assignment

12

02

2008

APPENDIX I

Oil Filled Equipment and Chemical List

FIGURE C-1 - OIL-FILLED EQUIPMENT TABLE
(Capacity $\geq$ 55 gallons)

Identifier	Location	Description of Equipment	Type of Equipment		Oil Storage Capacity	Discussion of General Facility Containment for Oil-filled Equipment (112.7(c))	Comments
			Operational ¹ or Manufacturing ²				
Compressors - Total: 955							
Air Compressor #2	PH 1st Floor	Air Compressor #2, I.R. #1X81 Process	Operational		215	Contained on Building Floor	Product: Compressor Fluid
Air Compressor #3	PH 1st Floor	Air Compressor #3 Ingersoll Rand, I.R. #35110519	Operational		70	Contained on Building Floor	Product: Compressor Fluid
Air Compressor #4	PH 1st Floor	Air Compressor #4, I.R. #1X81, Process	Operational		215	Contained on Building Floor	Product: Compressor Fluid
Air Compressor #6	PH 1st Floor	Air Compressor #6, I.R. #1X4766	Operational		400	Contained on Building Floor	Product: Compressor Fluid
Air Compressor #7	PH 1st Floor	Air Compressor #7, Chicago Pneumatic	Operational		55	Contained on Building Floor	Product: Compressor Fluid
Coolant and Cleaners Systems - Total: 87,200							
14989	PT G3-E3, Dept 55	Drilling Aluminum	Manufacturing		6,000	Contained on Building Floor	Product: Coolant
15281 (442)	PT L12, Dept 52G	Grinding Steel	Manufacturing		9,200	Contained on Building Floor	Product: Coolant
17068	PT P1, Dept. 54	Turning Cast Iron	Manufacturing		11,000	Contained on Building Floor	Product: Coolant
804A	PT H6, Dept. 48	Turning & Boring Cast Iron	Manufacturing		24,000	Contained on Building Floor	Product: Coolant

¹ EPA defines Oil-filled Operational Equipment as "equipment which includes an oil storage container (or multiple containers) in which the oil is present solely to support the function of the apparatus or the device. Oil-filled operational equipment is not considered a bulk storage container, and does not include oil-filled manufacturing equipment." Examples include hydraulic systems, lubricating systems (e.g. those used for pumps, compressors and other rotating equipment, including pumpjack lubrication systems), gear boxes, machining coolant systems, heat transfer systems, transformers, circuit breakers, electrical switches, and other systems containing oil to enable the operation of the devices.

² Examples of Oil-filled Manufacturing Equipment include oil processing vessels, conveyances such as piping associated with oil processing, and equipment used in the alteration, processing or refining of crude oil and other non-petroleum oils.

Note: This Table is inclusive of all The Equipment within the GM Parma Fabrication Facility and the GM Parma Powertrain Assembly Plant.

→ Items denoted with a "✓" can be found in the GM Parma Powertrain Assembly Plant

FIGURE C-1 - OIL-FILLED EQUIPMENT TABLE, CONTINUED
(Capacity ≥ 55 gallons)

Identifier	Location	Description of Equipment	Type of Equipment	Oil Storage Capacity	Discussion of General Facility Containment for Oil-filled Equipment (112.7(c))	Comments
			Operational ¹ or Manufacturing ²			
Coolant and Cleaners Systems - Total: 87,200						
804C	PT K4, Dept. 48	Grinding Cast Iron	Manufacturing	1,500	Contained on Building Floor	Product: Coolant
805A	PT K4, Dept. 48	Grinding Cast Iron	Manufacturing	1,500	Contained on Building Floor	Product: Coolant
New Henry	PT F5, Dept. 55	Lathes Aluminum	Manufacturing	10,000	Contained on Building Floor	Product: Coolant
R-65 Coolant	R-65 Basement	Coolant System	Manufacturing	12000	Contained on Building Floor	Not in use
S-67 Coolant	S-67 Basement	Coolant System	Manufacturing	12000	Contained on Building Floor	Not in Use
Miscellaneous Equipment - Total: 1,380						
M-11053	L-5	Blanchard Way Lube	Operational	125	Contained on Building Floor	Product: Coolant
M-12570	C-5	Cincinnati Grinder	Operational	55	Contained on Building Floor	Product: Coolant
M-17367	C-6	Mattison	Operational	130	Contained on Building Floor	Product: Mattison / Coolant
M-17504	A-9	Devlieg Jlgmill	Operational	200	Contained on Building Floor	Product: Coolant

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² Examples of Oil-filled Manufacturing Equipment include oil processing vessels, conveyances such as piping associated with oil processing, and equipment used in the alteration, processing or refining of crude oil and other non-petroleum oils.

FIGURE C-1 - OIL-FILLED EQUIPMENT TABLE, CONTINUED
(Capacity ≥ 55 gallons)

Identifier	Location	Description of Equipment	Type of Equipment	Oil Storage Capacity	Discussion of General Facility Containment for Oil-filled Equipment (112.7(c))	Comments
			Operational ¹ or Manufacturing ²			
Miscellaneous Equipment - Total: 1,380						
M-17504	A-9	Devlieg Jigmill	Operational	60	Contained on Building Floor	Product: Coolant
M-17517	C-5	Grinder	Operational	55	Contained on Building Floor	Product: Coolant
M-17608	A-4	S & K Mill	Operational	200	Contained on Building Floor	Product: Coolant
M-19049	B-6	Blanchard	Operational	250	Contained on Building Floor	Product: Coolant
M-32188	C-69	Blanchard Way Lube	Operational	250	Contained on Building Floor	Product: Coolant
M-571	C-5	Studer Grinder	Operational	55	Contained on Building Floor	Product: Coolant
Presses - Total: 12,570						
A-22 Press	A-22 Basement	Elevated Steel	Manufacturing	500	Contained on Building Floor	Product: A-22 Lube Oil
A-39 Press	A-39 Basement	Elevated Steel	Manufacturing	690	Contained on Building Floor	Product: A-39 Prog Press Lube Oil
A-39 Press	A-39	Elevated Steel	Manufacturing	300	Contained on Building Floor	Product: A-39 Prog Press Hyd Oil

¹ EPA defines Oil-filled Operational Equipment as "equipment which includes an oil storage container (or multiple containers) in which the oil is present solely to support the function of the apparatus or the device. Oil-filled operational equipment is not considered a bulk storage container, and does not include oil-filled manufacturing equipment...". Examples include hydraulic systems, lubricating systems (e.g. those used for pumps, compressors and other rotating equipment, including pumpjack lubrication systems), gear boxes, machining coolant systems, heat transfer systems, transformers, circuit breakers, electrical switches, and other systems containing oil to enable the operation of the devices.

² Examples of Oil-filled Manufacturing Equipment include oil processing vessels, conveyances such as piping associated with oil processing, and equipment used in the alteration, processing or refining of crude oil and other non-petroleum oils.

FIGURE C-1 - OIL-FILLED EQUIPMENT TABLE, CONTINUED
(Capacity ≥ 55 gallons)

Identifier	Location	Description of Equipment	Type of Equipment		Oil Storage Capacity	Discussion of General Facility Containment for Oil-filled Equipment (112.7(c))	Comments
			Operational ¹ or Manufacturing ²				
Presses - Total: 12,570							
A-46 Press	A-46 Basement	Elevated Steel	Manufacturing		690	Contained on Building Floor	Product: A-46 Prog Press Lube Oil
A-46 Press	A-46	Elevated Steel	Manufacturing		300	Contained on Building Floor	Product: A-46 Prog Press Hyd Oil
A-54 Press	A-54 Basement	Elevated Steel	Manufacturing		690	Contained on Building Floor	Product: A-54 Prog Press Lube Oil
A-54 Press	A-54	Elevated Steel	Manufacturing		300	Contained on Building Floor	Product: A-54 Prog Press Hyd Oil
B-28 Press	B-28 Basement	Elevated Steel	Manufacturing		525	Contained on Building Floor	Product: B-28 DA Lube Oil
B-28 Press	B-28 Basement	Elevated Steel	Manufacturing		525	Contained on Building Floor	Product: B-28 TR Lube Oil
B-31 Press	B-31 Basement	Elevated Steel	Manufacturing		525	Contained on Building Floor	Product: B-31 DA Lube Oil
B-31 Press	B-31 Basement	Elevated Steel	Manufacturing		525	Contained on Building Floor	Product: B-31 TR Lube Oil
B-39 Press	B-39 Basement	Elevated Steel	Manufacturing		690	Contained on Building Floor	Product: B-39 Prog Press Lube Oil

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² Examples of Oil-filled Manufacturing Equipment include oil processing vessels, conveyances such as piping associated with oil processing, and equipment used in the alteration, processing or refining of crude oil and other non-petroleum oils.

FIGURE C-1 - OIL-FILLED EQUIPMENT TABLE, CONTINUED
(Capacity ≥ 55 gallons)

Identifier	Location	Description of Equipment	Type of Equipment		Oil Storage Capacity	Discussion of General Facility Containment for Oil-filled Equipment (112.7(c))	Comments
			Operational ¹ or Manufacturing ²				
Presses - Total: 12,570							
B-39 Press	B-39	Elevated Steel	Manufacturing		300	Contained on Building Floor	Product: B-39 Prog Press Hyd Oil
B-46 Press	B-46 Basement	Elevated	Manufacturing		690		
B-46 Press	B-46	Elevated Steel	Manufacturing		300	Contained on Building Floor	Product: B-46 Prog Press Hyd Oil
B-54 Press	B-54 Basement	Elevated Steel	Manufacturing		690	Contained on Building Floor	Product: B-54 Prog Press Lube Oil
B-54 Press	B-54	Elevated Steel	Manufacturing		300	Contained on Building Floor	Product: B-54 Prog Press Hyd Oil
B-60 Press	B-60 Basement	Elevated Steel	Manufacturing		690	Contained on Building Floor	Product: B-60 Prog Press Lube Oil
B-60 Press	B-60	Elevated Steel	Manufacturing		300	Contained on Building Floor	Product: B-60 Prog Press Hyd Oil
B-65 Press	B-65 Basement	Elevated Steel	Manufacturing		690	Contained on Building Floor	Product: B-65 Prog Press Lube Oil
B-65 Press	B-65	Elevated Steel	Manufacturing		300	Contained on Building Floor	Product: B-65 Prog Press Hyd Oil

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² Examples of Oil-filled Manufacturing Equipment include oil processing vessels, conveyances such as piping associated with oil processing, and equipment used in the alteration, processing or refining of crude oil and other non-petroleum oils.

FIGURE C-1 - OIL-FILLED EQUIPMENT TABLE, CONTINUED
(Capacity ≥ 55 gallons)

Identifier	Location	Description of Equipment	Type of Equipment		Oil Storage Capacity	Discussion of General Facility Containment for Oil-filled Equipment (112.7(c))	Comments
			Operational ¹ or Manufacturing ²				
Presses - Total: 12,570							
C-86	C-86 Basement	Elevated Steel	Manufacturing		750	Contained on Building Floor	Product: C-86 Lube Oil
C-90 Press	C-90 Basement	Elevated Steel	Manufacturing		650	Contained on Building Floor	Product: C-90 DA Lube Oil
C-90 Press	C-90 Basement	Elevated Steel	Manufacturing		650	Contained on Building Floor	Product: C-90 TR Lube Oil
Process Equipment - Total: 45,100							
	V-53 Basement	Flow-thru Wastewater Tank	Operational		2500	Contained on Building Floor	Product:Wastewater
	V-53 Basement	Flow-thru Wastewater Tank	Operational		6000	Contained on Building Floor	Product: Wastewater
	V-53 Basement	Flow-thru Wastewater Tank	Operational		8000	Contained on Building Floor	Product:Wastewater
14654	PT J4 Dept 48	Quenching Cast Iron	Manufacturing		300	Contained on Building Floor	Product: Coolant -
14656	PT J1, Dept 48	Quenching Cast Iron	Operational		300	Contained on Building Floor	Product: Coolant
15081	PT R5, Dept 52H	Grinding Steel	Manufacturing		100	Contained on Building Floor	Product: Coolant

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² Examples of Oil-filled Manufacturing Equipment include oil processing vessels, conveyances such as piping associated with oil processing, and equipment used in the alteration, processing or refining of crude oil and other non-petroleum oils.

FIGURE C-1 - OIL-FILLED EQUIPMENT TABLE, CONTINUED
(Capacity ≥ 55 gallons)

Identifier	Location	Description of Equipment	Type of Equipment		Oil Storage Capacity	Discussion of General Facility Containment for Oil-filled Equipment (112.7(c))	Comments
			Operational ¹	Manufacturing ²			
Process Equipment - Total: 45,100							
15087	PT U3, Dept 53	Grinding Steel	Manufacturing		100	Contained on Building Floor	Product: Coolant
15088	PT U3, Dept 53	Grinding Steel	Manufacturing		100	Contained on Building Floor	Product: Coolant
15093	PT Q3, Dept 51	Grinding Steel	Manufacturing		100	Contained on Building Floor	Product: Coolant
15266	PT Q3, Dept 51	Grinding Steel	Manufacturing		100	Contained on Building Floor	Product: Coolant
15866	PT R3, Dept 51	Grinding Steel	Manufacturing		100	Contained on Building Floor	Product: Coolant
16677	PT T3, Dept 53	Grinding Steel	Manufacturing		100	Contained on Building Floor	Product: Coolant
17004	PT Q2, Dept 51	Grinding Steel	Manufacturing		100	Contained on Building Floor	Product: Coolant
17005	PT U2, Dept 53	Grinding Steel	Manufacturing		100	Contained on Building Floor	Product: Coolant
17007	PT T3, Dept 53	Grinding Steel	Manufacturing		100	Contained on Building Floor	Product: Coolant

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² Examples of Oil-filled Manufacturing Equipment include oil processing vessels, conveyances such as piping associated with oil processing, and equipment used in the alteration, processing or refining of crude oil and other non-petroleum oils.

FIGURE C-1 - OIL-FILLED EQUIPMENT TABLE, CONTINUED
(Capacity ≥ 55 gallons)

Identifier	Location	Description of Equipment	Type of Equipment		Oil Storage Capacity	Discussion of General Facility Containment for Oil-filled Equipment (112.7(c))	Comments
			Operational ¹	or Manufacturing ²			
Process Equipment - Total: 45,100							
17008	PT T3, Dept. 53	Grinding Steel	Manufacturing		100	Contained on Building Floor	Product: Coolant
17013	PT R2, Dept 51	Grinding Steel	Manufacturing		100	Contained on Building Floor	Product: Coolant
17024	PT Q4, Dept 51	Quenching Steel	Manufacturing		50	Contained on Building Floor	Product: Coolant
17025	PT Q3, Dept 51	Quenching Steel	Manufacturing		50	Contained on Building Floor	Product: Coolant
17026	PT Q1, Dept. 51	Quenching Steel	Manufacturing		50	Contained on Building Floor	Product: Coolant
17097	PT R6, Dept. 52H	Polishing Steel	Manufacturing		35	Contained on Building Floor	Product: Coolant
17098	PT R7, Dept. 52H	Polishing Steel	Manufacturing		35	Contained on Building Floor	Product: Coolant
20543	PT G7, Dept. 55	Lathes Aluminum	Manufacturing		600	Contained on Building Floor	Product: Coolant
20574	PT G5, Dept. 55	Lathes Aluminum	Manufacturing		300	Contained on Building Floor	Product: Coolant

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² Examples of Oil-filled Manufacturing Equipment include oil processing vessels, conveyances such as piping associated with oil processing, and equipment used in the alteration, processing or refining of crude oil and other non-petroleum oils.

FIGURE C-1 - OIL-FILLED EQUIPMENT TABLE, CONTINUED
(Capacity ≥ 55 gallons)

Identifier	Location	Description of Equipment	Type of Equipment		Oil Storage Capacity	Discussion of General Facility Containment for Oil-filled Equipment (112.7(c))	Comments
			Operational ¹ or Manufacturing ²				
Process Equipment - Total: 45,100							
20575	PT G5, Dept. 55	Lathes Aluminum	Manufacturing		300	Contained on Building Floor	Product: Coolant
20576	PT G4, Dept. 55	Lathes Aluminum	Manufacturing		300	Contained on Building Floor	Product: Coolant
20577	PT G4, Dept. 55	Lathes Aluminum	Manufacturing		300	Contained on Building Floor	Product: Coolant
20578	PT F4, Dept. 55	Lathes Aluminum	Manufacturing		300	Contained on Building Floor	Product: Coolant
20579	PT F4, Dept. 55	Lathes Aluminum	Manufacturing		300	Contained on Building Floor	Product: Coolant
20580	PT C3, Dept. 55	Lathes Aluminum	Manufacturing		300	Contained on Building Floor	Product: Coolant
20592	PT C3, Dept. 55	Lathes Aluminum	Manufacturing		300	Contained on Building Floor	Product: Coolant
20593	PT C2, Dept. 55	Lathes Aluminum	Manufacturing		300	Contained on Building Floor	Product: Coolant
285003	PT C5, Dept. 55	DeBurring Aluminum	Manufacturing		780	Contained on Building Floor	Product: Coolant

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FIGURE C-1 - OIL-FILLED EQUIPMENT TABLE, CONTINUED
(Capacity ≥ 55 gallons)

Identifier	Location	Description of Equipment	Type of Equipment	Oil Storage Capacity	Discussion of General Facility Containment for Oil-filled Equipment (112.7(c))	Comments
			Operational ¹ or Manufacturing ²			
Process Equipment - Total: 45,100						
28530	PT C5, Dept. 55	Honing Aluminum	Manufacturing	300	Contained on Building Floor	Product: Coolant
28531	PT D5, Dept. 55	Honing Aluminum	Manufacturing	300	Contained on Building Floor	Product: Coolant
40	WTP-2nd Floor	Cooker	Operational	2500	Trench Drains	
41	WTP 2nd Floor	Cooker	Operational	2500	Trench Drain	
42	WTP-2nd Floor	Cooker	Operational	2500	Trench Drain	
43	WTP-2nd Floor	Cooker	Operational	2500	Trench Drain	
44	WTP-2nd Floor	Cooker	Operational	2500	Trench Drain	
45	WTP-2nd Floor	Cooker	Operational	2500	Trench Drain	
46	WTP-2nd Floor	Cooker	Operational	2500	Trench Drain	

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² Examples of Oil-filled Manufacturing Equipment include oil processing vessels, conveyances such as piping associated with oil processing, and equipment used in the alteration, processing or refining of crude oil and other non-petroleum oils.

FIGURE C-1 - OIL-FILLED EQUIPMENT TABLE, CONTINUED
(Capacity ≥ 55 gallons)

Identifier	Location	Description of Equipment	Type of Equipment Operational ¹ or Manufacturing ²	Oil Storage Capacity	Discussion of General Facility Containment for Oil-filled Equipment (112.7(c))	Comments
Process Equipment - Total: 45,100						
47	WTP-2nd Floor	Cooker	Operational	2500	Trench Drain	
804B	PT L1, Dept. 48	Broaching Cast Iron	Manufacturing	900	Contained on Building Floor	Product: Coolant
805B	PT L5, Dept. 48	Broaching Cast Iron	Manufacturing	900	Contained on Building Floor	Product: Coolant
NC2198	G-51	Delta Welder	Manufacturing	100	Contained on Building Floor	Product: Coolant
Transformers - Total: 20,232						
First Energy Transformer	Primary Yard	Elevated	Operational	9,500	Toward Reservoir	Product: XForm Silicon Dielectric Oil
First Energy Transformer	Primary Yard	Elevated Steel	Operational	9,500	Toward Reservoir	Product: XForm Silicon Dielectric Oil
PT Sub 1C Transformer	PT Sub 1C	Elevated Steel- Roof Substation	Operational	291	Contained on Building Floor	Product: XForm Silicon Dielectric Oil
PT Sub 1D Transformer	PT Sub 1D	Elevated Steel- Roof Substation	Operational	291	Contained on Building Floor	Product: XForm Silicon Dielectric Oil
Sub 10 Transformer	Sub 10 P & L 1	Elevated Steel - Roof Substation	Operational	346	Contained on Building Floor	Product: XForm Silicon Dielectric Oil

¹ EPA defines Oil-filled Operational Equipment as "equipment which includes an oil storage container (or multiple containers) in which the oil is present solely to support the function of the apparatus or the device. Oil-filled operational equipment is not considered a bulk storage container, and does not include oil-filled manufacturing equipment." Examples include hydraulic systems, lubricating systems (e.g. those used for pumps, compressors and other rotating equipment, including pumpjack lubrication systems), gear boxes, machining coolant systems, heat transfer systems, transformers, circuit breakers, electrical switches, and other systems containing oil to enable the operation of the devices.

² Examples of Oil-filled Manufacturing Equipment include oil processing vessels, conveyances such as piping associated with oil processing, and equipment used in the alteration, processing or refining of crude oil and other non-petroleum oils.

FIGURE C-1 - OIL-FILLED EQUIPMENT TABLE, CONTINUED
(Capacity ≥ 55 gallons)

Identifier	Location	Description of Equipment	Type of Equipment		Oil Storage Capacity	Discussion of General Facility Containment for Oil-filled Equipment (112.7(c))	Comments
			Operational ¹ or Manufacturing ²				
Transformers - Total: 20,232							
Sub 12 Transformer	Sub 12 P & L 1	Elevated Steel - Roof Substation	Operational		304	Contained on Building Floor	Product: XForm Silicon Dielectric Oil
Facility Total: 167,437							

¹ EPA defines Oil-filled Operational Equipment as "equipment which includes an oil storage container (or multiple containers) in which the oil is present solely to support the function of the apparatus or the device. Oil-filled operational equipment is not considered a bulk storage container, and does not include oil-filled manufacturing equipment." Examples include hydraulic systems, lubricating systems (e.g. those used for pumps, compressors and other rotating equipment, including pumpjack lubrication systems), gear boxes, machining coolant systems, heat transfer systems, transformers, circuit breakers, electrical switches, and other systems containing oil to enable the operation of the devices.

² Examples of Oil-filled Manufacturing Equipment include oil processing vessels, conveyances such as piping associated with oil processing, and equipment used in the alteration, processing or refining of crude oil and other non-petroleum oils.

APPENDIX J

Debris Manifest and Leak document

DATE 2/14/00
 BY D. Palmer

PCB TRANSFORMER MONTHLY INSPECTION SHEET

MAIN BUILDING

SUBSTATION	TRANSFORMER	NO PCB LEAK?	COMBUSTIBLES STORED?
4	L4B	✓	✓
5	P5	✓	✓
5	P5A	✓	✓
5	L5	✓	✓

PROP SHAFT BUILDING

SUBSTATION	TRANSFORMER	NO PCB LEAK?	COMBUSTIBLES STORED?
1	P1A	✓	✓
1	P1B	✓	✓
2	P2A	✓	✓
2	P2B	✓	✓
2	P2C	✓	✓
2	P2D	✓	✓
3	P3A	REMOVED + SHIPPED 2/12/00 1/15/00 DRAINED	
3	P3B		
3	P3C	✓	✓
3	P3D	✓	✓

COMMENTS LEAK UNDER TRANSFORMER P3B DISCOVERED
WHEN TRANSFORMER WAS REMOVED. DECONTAMINATED BY
ABB. BASE OF SWITCHGEAR ADJACENT TO SPILL MARKED WITH
PCB LABEL. AREA OF SPILL WILL BE COVERED BY NEW
TRANSFORMER.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address ATTN: DIANE PALMER 216 265 5391		GM PARMA PLANT 5400 CHEVROLET BLVD. PARMA, OH. 44130		A. State Manifest Document Number		
4. Generator's Phone ()		6. US EPA ID Number NYD986899912		B. State Generator's ID		
5. Transporter 1 Company Name TCI INC.		8. US EPA ID Number		C. State Transporter's ID		
7. Transporter 2 Company Name		10. US EPA ID Number		D. Transporter's Phone 518 828 9997		
9. Designated Facility Name and Site Address TRANS Cycle Industries, Inc. 101 PARKWAY EAST PELL CITY, AL. 35125		12. Containers		E. State Transporter's ID		
		13. Total Quantity		F. Transporter's Phone		
		14. Unit Wt/Vol		G. State Facility's ID		
		1. Waste No.		H. Facility's Phone 205 338 9997		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers				
a. ☒ RQ, Polychlorinated Biphenyls, Liquid, 9, UN2315, PG II, MARINE POLLUTANT		No. Type				
b. ☒ RQ, Polychlorinated Biphenyls, Solid, 9, UN2315, PG II		002 TP		EST. 05910 K PCB1		
c.		001 DM		EST. 00100 K PCB2		
d.						
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above				
11a. Portable TANK of Fluid > 500 ppm. (P3A+P3B) OUT OF SERVICE DATE: 1/15/00		ERG # 171				
11b. DRUM OF CONTAMINATED DEBRIS						
15. Special Handling Instructions and Additional Information 24 HR. EMERGENCY CONTACT 216-265-5551						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name DIANE M. PALMER		Signature Diane M. Palmer		Month Day Year 01/15/00		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name DONNIE WHITE		Signature Donnie White		Month Day Year 01/15/00		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space BY FAX. 1-17-00 116 REC'D 1 DM 95165: 43K, NOTIFIED GENERATOR OF WT CHANGE						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name STANLEY HEAD		Signature Stanley Head		Month Day Year 01/17/00		

CONTINUATION SHEET

[illegible]

Shipped By: TRANS-CYCLE INDUSTRIES INC.
101 PARKWAY EAST
P.O. BOX 765
PELL CITY, AL 35125-0765
PHONE (205) 338-9997
FAX (205) 338-9979

Shipped: 01/15/00
Manifest Doc: 01400
Received: 01/17/00
Disposed: 03/12/00

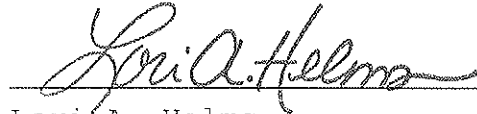
Generator: GENERAL MOTORS
PARMA METAL FAB. DIVISION
5400 CHEVROLET BOULEVARD
PARMA, OH 44130-
PHONE (216) 265-5391

We hereby certify that the following PCB items were disposed of
in accordance with 40 CFR 761 as of the date(s) shown below:

Item Number	Item Type	Method	Disp	Comp	Method	Disp	Facility	EPA ID #
18603P3A	LIQUID	DRN	01/17/00	OIL	INC	02/18/00	CWMTEX	TXD000838896
				OIL	INC	03/07/00	CWMTEX	TXD000838896
18608P3B	LIQUID	DRN	01/17/00	OIL	INC	03/07/00	CWMTEX	TXD000838896
193732	DEBRIS	INC	03/12/00					

DRN = COMPLETE DRAINING

INC = PCB INCINERATION



Lori A. Helms
Database Coordinator

04/17/00

Date