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Attorney Work Product
Phase I Environmental Site Assessment
MLC ID 1198
Former Grand Rapids Metal Plant
300 36th Street Southwest
Wyoming, Michigan

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CRA Project No. 070195 (1)

Prepared for
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The environmental assessment described herein was conducted by the undersigned, of Conestoga-Rovers & Associates (CRA). CRA's investigation consisted solely of the activities described in the Introduction of this report, in accordance with CRA *Proposal for Professional Services, Phase I Environmental Site Assessment, Former Grand Rapids Metal Plant, 300 36th Street SW, Wyoming, Michigan*, dated April 16, 2010, and is subject to the Terms and Conditions of the Standard Consulting Services Agreement signed prior to initiation of the assessment.

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EXECUTIVE SUMMARY

Conestoga-Rovers & Associates (CRA) performed a Phase I Environmental Site Assessment (ESA) of the former General Motors Corporation (GMC) Grand Rapids Metal Plant property (Motors Liquidation Company [MLC] Identification Number 1198) located 300 36th Street Southwest (SW), in the City of Wyoming, Kent County, Michigan (the Site). The Site currently consists of 88.53 acres of land, including an approximately 2 million square-foot Main Manufacturing Building and several outlying buildings and ancillary structures (Wastewater Treatment Plant [WWTP], Power House, Press Staging Building, Primary Switch House, Baler House, Rack Make-Up Building, South Fire Pump House, West Fire Pump House, Storm Sewer Pump House, Cooling Tower Pump House, Metal Storage Shed, and Guard House), asphalt and concrete-paved areas, a stormwater retention pond, and vegetated and landscaped areas.

The Site was developed prior to 1936 for residential and cultivated agricultural uses. In 1936, development of the portion of the Site bound to the north by 36th Street SW, to the east by Buchanan Avenue SW, to the west by railroad tracks, and to the south by 40th Street SW, by GM for the purpose of an automobile manufacturing plant was conducted. The plant was dedicated on December 5, 1936 as the Plant No. 1 of the Grand Rapids Stamping Division of Fisher Body. The original portion of the Main Manufacturing Building and original Power House were constructed in 1936 and comprised 437,351 square feet of floor space including both production and administrative space. Numerous additions to the Main Manufacturing Building occurred between 1937 and 2006. Additionally, numerous demolitions of existing structures have occurred throughout the operation of the Site.

In 1942, the Site produced mounts for the 90 millimeter (mm) anti-aircraft weapons, a 120 mm anti-aircraft dual-purpose gun, parts and assemblies for the B-29, B-25 and XP-75 aircraft, parts for the M-8, M-24, M-4, M-10, and M-26 tanks, five-inch naval gun breech housings, 155 mm shells, and machine tools in support of World War II. In 1945, production returned to automotive part production.

In 1984, the Fisher Body Division dissolved and the Site became part of the Chevrolet-Pontiac-GM of Canada (CPC) Group. In 1992, during restructuring within GM, the Site became part of the Cadillac Luxury Car Division (CLCD). In 1997, the Site became part of the Metal Fabricating Division (MFD) of GM North American Operations (NAO).

GMC continued to own and operate the Site until June 1, 2009, when they filed for bankruptcy under Chapter 11 of the United States Bankruptcy Code. On July 10, 2009, GMC, now known as MLC, pursuant to a bankruptcy court order, sold certain assets, to a new entity, which is now known as General Motors, LLC (GM LLC). The Site was not included in the sale and ownership remains with MLC. Primary operations conducted at the Site by GM LLC ceased on May 29, 2009. GM LLC currently conducts Site idling, decommissioning and support activities operations at the Site, under lease from MLC. GM LLC anticipates cessation of operations and vacating the Site on or before June 30, 2010. No manufacturing operations will be conducted at the Site by MLC subsequent to vacation of the property by GM LLC. Operations conducted by MLC at

the Site will include required compliance monitoring, equipment sales, decommissioning, and demolition activities, as well as administrative and ancillary operational activities in support of the aforementioned activities.

The Site was primarily operated as a metal fabrication and assembly plant. The primary manufacturing process involved several operations including tool and die operations, blanking, metal stamping (conventional and transfer presses), and assembly. The manufacturing process and support operations historically included metal stamping, plating operations, painting, acetylene gas generation, scrap metal handling, and heat treating. Ancillary operations conducted at the Site included the receipt and storage of raw materials, hazardous and non-hazardous waste management, equipment maintenance activities, product and materials handling, power generation, the shipment of final goods, wastewater treatment, scrap metal handling, and administrative activities.

The property to the west of the main manufacturing property along Clay Avenue SW was historically utilized for agricultural purposes and for water supply wells, a softener plant, and a chlorinator building. This area currently consists of an asphalt-paved employee parking lot, with a portion used as an entrance to the overhead pedestrian trestle over the railroad into the Main Manufacturing Building, an AST associated with skimmed oil from the stormwater retention pond, and vegetated/landscaped areas.

The properties to the north of 36th Street SW were historically utilized for residential, agricultural, and commercial purposes. These areas currently include an asphalt-paved former employee parking lot, with a portion of an entrance to the overhead pedestrian trestle over 36th Street SW into the Main Manufacturing Building and a small structure that is part of the inactive groundwater pump and treat system.

The purpose of this 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. In addition to identifying RECs at the Site, this ESA included an evaluation of specific non-scope considerations as defined in the Standard. This ESA was conducted to assist MLC in conducting all appropriate inquiries into previous ownership and use of the Site to evaluate business environmental risk, as defined in the Standard, for the Site.

Based on the Phase I ESA including the Site inspection, database search, historic records reviewed, information provided by Site personnel, and interviews, the following potential findings regarding RECs, historic RECs, *de minimis* conditions, and business environmental risk as defined in the Standard, were identified at the Site:

- **Adjacent Properties – East of Buchanan Avenue Southwest (SW):** Based on the review of historical information, the adjacent properties to the east of the Site, across Buchanan Avenue SW, have been operated as commercial/industrial properties since at least 1950, with a gas station operating on the properties associated with 3565 and/or 3636 Buchanan Avenue SW from between at least 1938 to 1975. Additional historical commercial/industrial occupation of properties noted on Sanborn maps and in city directories includes: a gas station at the intersection of 36th Street SW and

Buchanan Avenue SW since at least 1966; a buried gas tank on the property located at 3700 Buchanan Avenue SW; a paint shop at 3818 Buchanan Avenue SW; auto repair facilities at 3826 Buchanan Avenue SW; heat treat operations at 3832 Buchanan Avenue SW; and a machine shop at 3890 Buchanan Avenue SW. In addition, the properties located adjacent to the east of the Site across Buchanan Avenue SW at 3890 Buchanan Avenue SW (Conical Tool Company), 3832 Buchanan Avenue SW (entity not listed), and 3840 Buchanan Avenue SW (Commercial Heat Treating Company) are listed in the Baseline Environmental Assessment (BEA) Database indicating exceedances of Michigan Act 451, Part 201 (Part 201) Generic Residential Cleanup Criteria (GRCC) are present on those properties. A Freedom of Information Act (FOIA) review was previously conducted for the adjacent properties to the southeast of the Site, including the Conical Tool Property. Chlorinated volatile organic compounds (VOCs), including tetrachloroethene (PCE), were identified on that property, which appear to be migrating onto the Site. In addition, the property located at 3887 South Division Avenue SW (entity not listed) was listed in the State Hazardous Waste Sites (SHWS) Database, for impacts of PCE. Based on the nature of the long-term historical operations conducted on these properties, the groundwater flow direction to the north-northwest in this area making these properties downgradient and cross-gradient of the Site, and the known impacts on those properties above the Part 201 GRCC that are likely or may be impacting the Site, the adjacent properties to the east are considered an REC.

- **Adjacent Properties – Along Clay Avenue SW:** Based on the review of the environmental database search results, the Ryder Truck property located at 3663 Clay Avenue SW is listed in the Leaking Underground Storage Tank (LUST) Database as having an open status. Additionally, the property located at 3940 Clay Avenue SW (entity not listed), to the south of the Clay Avenue Parking Lot portion of the Site, is listed in the BEA Database, indicating exceedances of Part 201 GRCC are present on that property. Based on limited groundwater flow direction known for the west side of Cole Drain, it appears that groundwater on the west side of the drain flows north-northeast. Based on the open status of the LUST, the known impacts on the property in the BEA database above the Part 201 GRCC, and the potential for cross-gradient groundwater flow, the adjacent properties are considered an REC.
- **Adjacent Properties – West Side of Cole Drain:** Based on investigations conducted to date, PCE is present in groundwater in a monitoring well on the west side of Cole Drain. The monitoring well is located to the north of 36th Street on property owned by Consumers. Based on analytical data collected to date for the well on the west side of Cole Drain and for the wells on the east side of Cole Drain, concentrations of PCE are higher on the west side of the drain than on the east side, suggesting the source of the PCE is to the west of Cole Drain. Groundwater flow direction in the area of Cole Drain appears to be to the north-northeast from the west side of the drain, and to the north-northwest on the east side of the drain, suggesting that Cole Drain is a gaining stream. The area to the northwest of the Site has been developed for industrial use since at least 1960, based on aerial photographs. Based on the nature of the long-term historical operations conducted on these properties,

the groundwater flow direction to the north-northeast in this area making these properties up-gradient and cross-gradient of the Site, and the known impacts on those properties above the Part 201 GRCC that are likely or may be impacting the Site or commingling with the plume from the Site, the adjacent properties on the west side of Cole Drain are considered an REC.

- **Long-Term Industrial Site Operations:** The Site has been operated on a long-term basis as an industrial property dating back to 1936, including operations associated with stamping, machining, degreasing, metal finishing, and various other manufacturing operations and the associated industrial infrastructure (i.e. sewers, pits, etc.). No specific documentation was available regarding chemicals used, chemical storage locations, or historic disposal practices during the entire timeframe the property has been utilized for industrial purposes. Industrial facilities like the Site typically, either currently or historically, use significant quantities of chlorinated solvents, heavy metals, polychlorinated biphenyls (PCBs), and petroleum products. The typical operations for this type of facilities operated over a long time frame would be considered an REC.
- **Potential On-Site Fill Activities:** Based on the review of a historical aerial photograph taken between 1950 and 1954, an area of potential fill activities was identified to the south of the Main Manufacturing Building. No further information was available regarding the potential on-Site fill activities. Based on the lack of evidence of a release from the potential fill activities at the Site to the environment, they would not be considered an REC; however, they should be considered when evaluating business environmental risk associated with the Site.
- **Release from Press HS-5:** Contamination from a release of water-soluble oil from a press pit pan (HS-5 press) was identified in soil and groundwater at the Site in 1981. The release was investigated in 1981 and 1982, with soil and groundwater samples collected in this area. Black stained soil was observed during the sample collection. Soil and groundwater samples collected during the investigation were analyzed for grease and oil, total organic carbon (TOC), and chlorinated paraffin. Based on analytical results from soil and groundwater samples collected in the vicinity of the release and a review of the material safety data sheet (MSDS) for the oil, Environmental Data, Inc. (EDI) concluded that no chemicals of concern were detected in the soil or groundwater samples collected above the applicable regulatory limits at the time the samples were collected. Analysis for polynuclear aromatic hydrocarbons (PNAs), metals or PCBs was not conducted on the samples. Based on the confirmed release in this area and a lack of chemical analysis of samples for PNAs, metals or PCBs, the release is considered an REC.
- **Light Non-Aqueous Phase Liquid (LNAPL) and Semi-Volatile Organic Compound (SVOC)-Impacted Groundwater:** An excavation was installed in the northeast portion of the Site during plant modernization activities in June 1985. The excavation was approximately 20 feet in depth, and was located near Column A-15 of the plant. Soil was removed in particular areas to the water table, where a layer of free product was observed. The free product was believed to consist of mineral seal

oil and/or mineral spirits, which were used in processes in this portion of the plant for approximately 50 years. According to Site records reviewed, a release was reported to the National Response Center and the Michigan Department of Natural Resources (MDNR) on July 26, 1985. Based on the visual and olfactory presence of contamination in the excavation, a Hydrogeologic Investigation (HI) was undertaken by EDI to determine the extent of the oil contamination. A total of seven monitoring wells, were installed during the HI; four of the wells were installed around the excavation, in the northeastern portion of the plant, and three wells were installed outside the plant on the north, northwest, and west sides of the plant. LNAPL was identified in monitoring wells located in the northeast portion of the plant. Subsequent investigations continued to monitor on a regular basis for the presence of LNAPL in select monitoring wells and groundwater samples were analyzed for SVOCs, with exceedances of the Part 201 GRCC. LNAPL was observed on a periodic basis in monitoring wells 85-5B and 85-3. In 2008, the 2008 Groundwater Investigation Work Plan was submitted to the DNRE, which included the over drilling and reinstallation of monitoring well 85-3, due to the fact that the recorded static water levels in the well were above the top of the monitoring well screen, which could not be used to monitor for LNAPL, which floats on top of the groundwater (i.e., above the top of the screen). The 2008 Groundwater Investigation Work Plan was implemented in April 2010, with the results pending. Based on the exceedances to the Part 201 GRCC and the historical (and potential current) presence of LNAPL in this area, the LNAPL and SVOC-impacted groundwater is an REC.

- **Former Metal Finishing Operations:** Based on the review of available information, metal finishing operations, including chromium plating and heat treating operations, were conducted at the Site. A bonderizing/prime system was identified on a 1951 drawing between Columns U and W, Rows 42 to 46. This system included an alkali rinse, hot rinse, bonderite, cold rinse, and chromic acid dip tanks, a blow off oven, a prime spray booth, a final spray booth, and a final oven. The drawing also identified floor drains and a sludge tank in this area. Lacquer and cement spray booth operations were identified on a 1939 drawing to have been historically conducted on instrument panels from Columns O to Q, Row 39 to 42. Anti-rust oil spray booth operations, which included approximately 110-gallon oil tanks situated on the plant floor or in below-grade pits, were identified on a 1937 drawing to have been historically conducted in the following areas: Booth #1 – circa 1937 - Columns U to X, Row 16; Booth #2 – circa 1937 - Columns O to R, Row 13; Booth #3 – circa 1937 - Columns U to X, Row 7; and Booth #4 – circa 1937 - Columns Q to T, Row 4. No further information regarding these operations was available. No investigations have been conducted to evaluate the historical metal finishing operations to date. Metal finishing operations utilize metals, petroleum products, PCBs, and caustics. Based on the nature of the chemicals utilized and the operational timeframe, the former metal finishing operations are considered an REC.
- **Mineral Spirits and Mineral Seal Oil USTs:** Based on the review of available documentation from 1981, the Site historically utilized mineral spirits to dilute mineral seal oil utilized in operations. The mineral spirits and mineral oil were

stored in four USTs (one mineral spirits UST and three mineral seal oil USTs) located to the south of Row 51 between Columns R and S. Based on the review of an air emissions permit application for the mineral spirits UST, the capacity of the mineral spirits UST was approximately 7,800 gallons. The capacities of the mineral seal oil USTs were not identified; however, drawings of the tanks depict the three mineral seal oil USTs to be similar in size to the mineral spirits UST. According to review of the Environmental Impairment Liability Questionnaire dated October 13, 1982, mineral seal oil and mineral spirits were stored in underground tanks at that time. No further information regarding the mineral seal oil or mineral spirits USTs was available. Based on a lack of information regarding the closure of the USTs, the nature of the materials stored in the USTs, and the age of the USTs, the mineral spirits and mineral seal oil USTs are considered an REC.

- **Former Paint Booth:** A waterfall-type (i.e., wet) paint booth with below-grade water tanks and sump pits was historically been associated with the Site, which was described as “gun carriage” on a drawing circa 1942, located at Columns P to Q, Rows 24 to 25. No further information was available regarding this paint booth. The current steam clean booth located at Columns V-W, Rows 29-30, was reportedly historically used as a wet paint booth. No information was identified regarding the duration of these units or a release from either system; therefore, they are not considered to be RECs. However, based on the nature of the operations conducted associated with the paint booths, the types of chemicals typically utilized during these operations, and the presence of below-grade structures with the potential to impact the subsurface, the former paint booths should be considered when evaluating business environmental risk associated with the Site.
- **Wastewater Treatment Plant (WWTP):** The WWTP was constructed in 1970 for the pretreatment of process wastewater from the Site prior to discharge to the City of Wyoming municipal sanitary sewer system. The WWTP was constructed to pretreat process wastewater discharged from the metal finishing, heat treat, battery charge, steam clean, press pit, and elevator pit areas, where chemicals such as petroleum products, solvents, and acids would have been utilized. The 100,000-gallon used oil AST was noted on Site drawings to have been constructed on an oily sand cushion. Significant staining was noted on the interior of the building and sumps inside the building and adjacent to a sump near the 5,000-gallon used oil ASTs. Based on the nature of the operations conducted associated with the WWTP, the types of chemicals typically utilized during these operations, the observed staining, the presence of an oily sand cushion under the used oil AST, and the presence of below-grade structures with the potential to impact the subsurface, the WWTP is an REC.
- **Current Power House:** The current Power House was constructed at the Site in 1970 and is located to the south of the Main Manufacturing Building and adjacent to the east of the Baler House. The Power House provides building heat and steam to the Site. The Power House is a multiple story building with a basement and includes three natural gas-fired boilers, which have the ability to burn waste oil, No. 2 oil, or No. 6 oil. A brine pit is present to the north of the Power House and to the south of

the cooling water towers and pumps. Staining and sumps were noted in the basement of the Power House. No evidence of a release associated with the Power House operations was observed or identified in the documents reviewed; therefore, the Power House would not be considered an REC. However, based on the nature of the operations conducted associated with the Power House, the types of chemicals typically utilized during these operations, the timeframe these operations occurred, and the potential to impact the subsurface, the Power House should be considered when evaluating environmental risk associated with the Site.

- **Former Power House:** A coal-fired Power House was constructed at the Site during the initial development of the property by General Motors Corporation (GMC) in 1936 and was operated until 1970/71 when the new Power House was brought online. The former Power House was located to the west of the Main Manufacturing Building, adjacent to Column ZZ, Rows 19 and 24, and included an ash silo, skip pit and coal hopper, and Power House Building. Coal was stored adjacent to the south of the former Power House, between Rows 24 and 33, in an area approximately 220 feet by 350 feet in area. Demolition plans for the former Power House indicated that the structural components, with the exception of the western wall of the building, were to be removed to the basement (or lowest floor) slab, with the concrete cracked for infiltration. A below-grade tunnel, located between Columns ZZ to W, Rows 22 ½ and 22, was also reportedly removed, with the exception of the concrete floor that was cracked, to the western edge of the Main Manufacturing Building. The former Power House utilized a four-inch drain tile around the perimeter of the building, as well as numerous crocks, floor drains, sumps, and catch basins throughout the structure. Demolition plan drawings did not indicate whether or not abandonment/demolition activities were proposed for the portion of the tunnel that was present beneath the Main Manufacturing Building. This area is currently beneath the Main Manufacturing Building. Based on the nature of the operations conducted associated with the former Power House, the types of chemicals typically utilized during these operations, the timeframe these operations occurred, typical residual SVOCs associated with outdoor coal storage and the potential to impact the subsurface, the former Power House is an REC.
- **Former Acetylene, Oxygen and Ferrolene (AOF) House UST:** An AOF House was historically present to the west of the Main Manufacturing Building at Column ZZ, Rows 18 to 15. The AOF House was constructed circa 1936 and was demolished circa 1970. Available drawings indicate that the AOF originally included use of a 12,000-gallon UST containing oleum spirits; however, notes on the drawings indicated that the tank was never installed. Additionally, a 420-gallon ferrolene UST was present to the south of the AOF House. The AOF House consisted of the ferrolene room (including cyanide and lead pots), a pump room, the oxygen manifold and storage room, the carbide storage room, the acetylene storage room, the acetylene generator room, a loading platform serviced by a railroad siding, and sludge pits. Additional information regarding the chemicals utilized during the operation of the AOF House was not available. Based on the nature of the ferrolene UST and associated cyanide and lead use with no closure documentation, the

Ferrolene UST associated with the AOF House, and the potential to impact the subsurface, the former AOF House UST is an REC.

- **Current Gasoline and Diesel USTs:** One 3,000-gallon diesel and one 8,000-gasoline UST are present at the Site. The USTs were reportedly installed on April 24, 1985 and are of cathodically protected double-walled steel, with fiberglass reinforced double-walled plastic. The USTs are equipped with automatic tank gauging and interstitial monitoring for leak detection. A potential leak from the 8,000-gallon gasoline UST was reported to the Department of Natural Resources and Environment (DNRE) on April 27, 2006, based on leak detection readings (Incident No. S-0101-06). Information reviewed at the Site indicated that the leak detection reading resulted from a faulty sensor board that needed replacement. The Site was not listed in the LUST Database for this incident. Testing of Gasoline and Diesel Fuel Underground Tanks forms completed on 12 occasions between 1991 and 1998 were available for review on Site. According to the information reviewed, the items tested during each event included monitor well N.E., monitor well N.W., monitor well S.E., monitor well S.W., gasoline containment vessel, diesel containment vessel, catch basin (reportedly 12 feet deep), and pollution alert electrical system. No significant issues associated with these items were identified during the inspections. According to on-Site records reviewed, the gasoline and diesel fuel USTs were equipped with leak detection equipment. Daily leak detection printouts dated between 1996 and 2001 were available for review and indicated relevant changes in fluid levels as "LD Failed". CRA identified 32 possible leaks from the gasoline UST ranging from 0.10 and 4.61 gallons per hour (gal/hr) and eight possible leaks from the diesel UST ranging from 0.12 and 3.02 gal/hr. Based on the lack of confirmed evidence of a documented release from the USTs to the environment, they would not be considered an REC; however, the historic operation should be considered when evaluating business environmental risk associated with the Site.
- **Former Heating Oil and Oil USTs:** Three 50,000-gallon fuel oil tanks for boiler backup for the Power House were installed in 1970 to the north of the east cooling tower. According to records reviewed, the three 50,000-gallon USTs were removed from the Site on August 21, 1985. The UST removal was overseen by the Fire Department and according to the inspection report, two of the USTs contained "oil" and one contained fuel oil. The USTs were reportedly cleaned by Great Lakes Tank Cleaning Company and removed and disposed off-Site by Hardman Construction Company. Photographs of the UST removal included in the Fire Department file for the Site were reviewed by CRA. None of the photographs available for review indicated a release from the USTs and the USTs appeared to be in good condition at the time of removal. However, no verification soil samples were collected at the time of the tank removal. Based on the types of chemicals stored in the tanks, the age of the tanks, the lack of confirmatory soil sample data and the potential to impact the subsurface, the former fuel oil and oil USTs are an REC.
- **Former 5,000-Gallon Gasoline UST:** One 5,000-gallon gasoline UST was inspected by the Fire Department on September 19, 1985 during removal.

According to the inspection report, the UST was removed by Bosch Mechanical and Riverside Gravel Co., cleaned, and disposed off-Site. Based on review of the inspection report, no evidence or indication of a release was observed at the time of removal. No verification soil samples were collected at the time of the tank removal. No information was available regarding the location, age, or construction of the former UST. Based on the type of chemical stored in the tank, the age of the tank, the lack of confirmatory soil sample data and the potential to impact the subsurface, the former gasoline UST is an REC.

- **Former 1,000-Gallon Gasoline USTs:** Based on the review of a 1951 drawing, a 1,000-gallon gasoline UST and pump were identified south of Row 35 (no Column available), and just south of the outside of the 1950 addition on the eastern side of the Main Manufacturing Building. On a 1955 drawing, a “gas tank and pump” were identified as being relocated. There are no Columns or Rows identified on the drawing; however, the tank is shown to the north of the former Heat Treat Building and to the west of the former Baler House. No further details were identified on the drawing. It could not be confirmed that the 1,000-gallon UST identified on the 1951 drawing (after the 1950 addition) was relocated to the south after the 1954 addition in this area. Based on the type of chemical stored in the tank, the age of the tank, the lack of UST removal information or confirmatory soil sample data and the potential to impact the subsurface, the former gasoline UST is an REC.
- **Former Cooling Tower Basin:** A cooling tower and cooling tower basin are identified on a 1971 drawing to the west of the former Power House, to the north of the 500,000-gallon fire suppression water aboveground storage tank (AST) and associated pump house, and to the south of the former 250,000-gallon elevated fire suppression water AST, in line with Rows 19 to 22 for the Main Manufacturing Building. No further information regarding the operation and construction of the cooling water tower and basin was available, including information regarding water treatment chemicals utilized, process associated with the generation point of water cooled or sludge removal practices. The majority of cooling water systems operated during this timeframe used chromium as a biocide. This area is currently paved with concrete and/or asphalt. Based on the nature of the operations conducted associated with the former cooling water basin, the types of chemicals typically utilized during these operations, and the potential to impact the subsurface, the former cooling tower basin is an REC.
- **Former Cooling Water Spray Pond:** A cooling water spray pond was historically located to the west of the former Power House, between Rows 13 and 18 ½. The cooling water spray pond received process wastewater from air compressor blowdown and welding machine cooling water and discharged cooled water via return lines to the plant and to the storm sewer. Historical documentation indicates that silver, lead, and copper were historically utilized during welding operations. No information was available regarding the potential use of algacides/biocides was available, nor was information related to removal of sludges from the cooling water spray pond. Based on the nature of the operations conducted associated with the former cooling water spray pond, the types of chemicals typically utilized during

these operations, and the potential to impact the subsurface, the former cooling water spray pond is an REC.

- **Former Sludge Bed:** A “present sludge bed to be filled in” was identified on a 1954/1955 drawing of the Site. Based on the review of available aerial photographs, this sludge bed was located to the north of the former Power House, to the northwest of the former AOF Building, and to the east of the cooling water spray pond. The area was not observed to be utilized as a sludge bed in the 1938 or 1960 aerial photographs; however, an undated aerial obtained from the Site dated prior to 1954 (based on facility construction) shows this area. This area is currently under a portion of the Main Manufacturing Building. No information was available regarding the nature of the sludges or whether they were deposited in this area. Therefore, they would not be considered an REC. However, based on the potential nature of the materials deposited in the sludge bed from facility operations and the potential for these materials to impact the subsurface, the former sludge bed should be considered when evaluating environmental risk associated with the Site.
- **Current Baler House:** A Baler House is located to the south of the Main Manufacturing Building, adjacent to the west of the Power House. The Baler House was constructed in 1965 and consisted of four balers for scrap metal processing, which were set in pits. Significant oil staining and scrap metal were observed in the visually accessible portions of the Baler House pits during the Site inspection. Additionally, a sump is located in the corner of this building, which discharges to the WWTP. Based on the age of the pits, the types of chemicals typically utilized during these operations, the timeframe these operations occurred, and the potential to impact the subsurface, the Baler House pits are an REC.
- **Former Baler House and Main Manufacturing Building Balers:** A former Baler House was located between Columns C and H, Rows 42 to 44. Scrap metal was conveyed to the former Baler House via an underground conveyor system, which was located between Columns E and F. This Baler House was demolished during the 1964 expansion activities, with the current Baler House constructed in 1965. An area with two balers is identified on 1936 and 1950 drawings between Columns Q to O, Rows 20 ½ to 22. No further information was available regarding the timeframe that this area was operated for baling operations or the specific building structures used. Accordingly, the former Baler House is not considered to be an REC. However, based on the nature of the operations conducted associated with the operations, the types of chemicals typically utilized during these operations, the potential use/presence of below-grade pits, the timeframe these operations occurred, and the potential to impact the subsurface, the former Baler House and Main Manufacturing Building balers should be considered when evaluating environmental risk associated with the Site.
- **Former Heat Treat Operations:** Heat treat operations were conducted in a variety of locations throughout the Site. A former Heat Treat Room was located near Column O, Row 4 on a 1936 drawing. This area was identified to consist of a homo furnace, oven furnaces, lead and cyanide pots, quenching tanks, a caustic tank, and a

forge. Floor drains, a pit and a trench were identified in this area. No further information was available regarding the timeframe that this area was operated for heat treat operations. A former Heat Treat area was located between Columns U and W, Rows 26 and 27 on a 1944 drawing. This drawing identifies a large quench pit in this area, with four tanks shown in the pit and references at least one 12,000-gallon oil tank. A former Heat Treat Building was located between Columns J through M, Rows 29 to 30 ½ on a 1945 drawing. This area was identified to consist of a sand blast room, gas crackers and furnaces and associated pits. No further information was available regarding the timeframe that this area was operated as a heat treat area; however, it is currently beneath an addition to the Main Manufacturing Building. No further information was available regarding the timeframe that these areas were operated for heat treat operations. Based on the nature of the operations conducted associated with the heat treat operations, the types of chemicals typically utilized during these operations, the timeframe these operations occurred, and the potential to impact the subsurface, the former heat treat operations are an REC.

- **Former Tool and Die Operations:** Tool and Die Operations (TDO) were conducted between Columns AA and O, Rows 1 to 11. A below-grade grinding swarf and chip conveyor system is present in this area, running east-west, then turning southward until Column AA, Row 11-12, where the materials were brought aboveground and placed in a gondola. A small heat treat area is also present in this area. Historical operations in this area also included an electrical discharge machine (EDM) and milling operations. The swarf and conveyor system was not intended to transfer hazardous materials and there was no information or evidence indicating a release. Therefore the TDO are not considered to be an REC. However, based on the nature of the operations conducted associated with the former tool and die operations and CRA's experience with similar below-grade conveyance systems, the potential to impact the subsurface should be considered when evaluating environmental risk associated with the Site.
- **Former Coolant Recovery System:** Based on the review of a 1953 drawing, a coolant recovery and chip disposal system, including sterilizer, was present between Columns Y-W, Rows 49-50. No further information regarding the system was available. There was no information or evidence indicating a release from the coolant system. Therefore the coolant recovery system is not considered to be an REC. However, based on the nature of the operations conducted associated with the coolant recovery operations, the types of chemicals typically utilized during these operations, the timeframe these operations occurred, and the potential to impact the subsurface, the former coolant recovery systems operations should be considered when evaluating environmental risk associated with the Site.
- **Former Stamping Operations:** Blanking and stamping press operations were conducted between Columns AA and O, Rows 12 to 55. A basement and metal scrap conveyor is located beneath this area, which leads to the Baler House. Stamping operations utilize oils during operations. Significant staining and pooled oil were noted on the ground surface in the basement near the stamping operations and in visually accessible press pits. Additionally, oil was observed to be present on

the walls of the basement areas, from the stamping operations on the first floor of the facility. Review of available drawings indicates the presence of numerous tanks, likely containing hydraulic oil for the presses, located in pits beneath the presses throughout the blanking area. Dimensions of the tanks were identified to primarily consist of 4-foot by 8-foot tanks on a concrete. These tanks are identified with Press Lines E, F, G, H, J and K, which are identified to be located between Columns C and K, Rows 13 to 22. These tanks were identified on a 1939 addition drawing, which may not illustrate all of the tanks actually present. Based on the nature and duration of the operations conducted associated with the stamping operations, the age of pits with oil present, the types of chemicals typically utilized during these operations, the timeframe these operations occurred, and the potential to impact the subsurface, the former stamping operations are an REC.

- **ASTs:** ASTs are currently and were historically utilized at the Site for the bulk storage of chemicals in the Main Manufacturing Building, WWTP, Power House, and Pump Houses. Staining was noted near some of the ASTs associated with the WWTP. The extent of the releases could not be determined. Based on the evidence of a documented release from the ASTs to the environment and the unknown extent of impact, they would be considered an REC.
- **Historical Die Storage:** Based on discussions with Site personnel, dies were historically stored outside the facility, primarily on the southern portion. This area was not and is not entirely paved. The potential exists for oils on the dies to impact the underlying soils or stormwater during exterior storage. PCBs have been detected on stamping and TDO equipment utilized within the facility. There was no information or evidence of a release of materials associated with the storage; therefore, it would not be considered to be an REC. However, based on the known presence of PCBs in oils utilized at the facility and fact that the ground was not paved during the storage activities with the potential to impact the subsurface, the historical die storage should be considered when evaluating environmental risk associated with the Site.
- **Substations:** Based on the review of available documentation, three substations at the Site were confirmed to have utilized PCB electrical equipment; Substation K, Substation H and Substation Q. Releases are documented associated with Substation K, which was also historically utilized as a PCB storage area. Staining was noted on the concrete surface in these substations. It should be noted that the concrete floor in a number of the substations is painted. No information is available regarding the potential for additional PCB electrical equipment in the other substations at the Site or releases therefrom. Based on the presence and release of PCBs in at least one of the substations and the timeframe in which these substations were operated, the substations are an REC.
- **Stormwater Retention Pond:** Based on files reviewed at the facility, the stormwater retention basin was originally constructed in 1972 on property owned by Consumers, for which the Site secured an easement agreement. The basin was reported to be lined with a rubber liner and equipped with two containment booms

that used to divert floating oil to a skimmer installed in the basin outlet. Oil was pumped from the skimmer to a 4,000-gallon AST located adjacent to the west of basin. Significant sediment accumulation and vegetation growth were observed in the retention basin during an inspection in 2001, which resulted in upgrades to the pond in 2002/2003. Sediment samples were collected from the retention pond in September 2002, which indicated detections of several metals. Current conditions associated with groundwater and soil conditions beneath and in the vicinity of the pond are unknown. Based on the review of available documentation, the stormwater retention pond receives discharges from portions of the Site roof and foundation drains. Roof drains were observed in proximity to several caged (i.e., no roofs or walls) substations, including Substations H and Q located on the roof of the Power House that historically were documented to include PCB transformers. No information was identified that the liner on the pond has failed; therefore, it is not considered to be an REC. However, based on the PCBs and metals potentially discharged to the stormwater retention pond during Site operations, the timeframe these operations occurred, and the potential to impact the subsurface, the stormwater retention pond should be considered when evaluating environmental risk associated with the Site.

- **Wood Floor Block:** Based on the review of available documentation and observations during the Site inspection, wood floor block is currently and was historically present throughout the facility. Operations that have been identified to have utilized oils containing PCBs were conducted at the Site and analytical results for samples collected from wood floor block and associated mastic materials have indicated the presence of PCBs in the materials. Based on the known detections and use of PCBs in oils utilized and wood flooring material removed from the Site in the past, the potential presence of PCBs in wood flooring material at the Site is an REC.
- **Former Tar House:** Based on the review of documentation from 1978, a “tar house”, which was used to heat tar for floor block repairs, was located south of the Main Manufacturing Building at that time. No further information regarding the tar house was available. No information was identified regarding operations in the Tar House or any evidence of releases therefrom; therefore, it is not considered to be an REC. However, based on the types of chemicals potentially used during these operations, the timeframe these operations occurred, and the potential to impact the subsurface, the former tar house should be considered when evaluating environmental risk associated with the Site.
- **VOC-Impacted Soil and Groundwater Associated with Column T, Row 27 Former Degreaser:** The Site is listed in the SHWS Database as General Motors – CPC Metals (Facility Identification No. 41000115) and a status of “interim response in progress.” The listing is primarily associated with a release of TCE from a former degreaser operated at Column T, Row 27 from 1953 to 1979. According to Site personnel, this degreaser was an open top metal tank situated in a concrete pit, where equipment was dipped using an overhead crane. VOC-impacts to soil and groundwater in this area were identified in 1985 and investigations were conducted between 1985 and 1989 to evaluate the nature and extent of the impacts at the Site

and the adjacent properties to the north of the Site. In 1989, a combination groundwater extraction and soil vapor extraction (SVE) system were installed in the source area in the plant, with quarterly groundwater monitoring conducted. In 1993, a second groundwater purge well was installed at the northern property line. The SVE and groundwater extraction systems were run with quarterly groundwater monitoring occurring until 2004 and 2005, respectively, when it was identified that the systems had removed sufficient VOC mass and were no longer effective. Additional investigations to further evaluate the extent of the groundwater impacts to Part 201 GRCC were conducted between 2003 and 2010. Response actions associated with the VOC impacts has been conducted on a voluntary basis under Part 201. No Consent Order or Agreement has been issued by the DNRE for the Site pursuant to Part 201 related to the SHWS Listing; however, a lien has been placed on the parcel associated with the main portion of the Site. Based on the known exceedances of the Part 201 GRCC associated with the chlorinated VOC impacts to soil and groundwater at the Site, the VOC-impacted soil and groundwater is considered an REC.

- **Additional Historical Degreasing Operations:** Degreasing operations were historically conducted in a variety of locations throughout the Site. An area identified as “shell cooler after degreaser” was present on a 1944 drawing between Columns V and W, Row 34. A degreaser is identified on a 1953 drawing at Column U, Row 46. Degreasers were also historically located at Columns T, Row 27, Columns RS, Row 9, and Column O, Row 44. No information was available regarding use of degreasers on steel coils during the blanking process. Based on CRA’s experience with the nature of degreasing operations during this timeframe, the types of chemicals typically utilized during these operations, and the potential to impact the subsurface, the historical degreasing operations are an REC.
- **Oil Stores Bulk Unload Area:** The Site currently and formerly utilized the area to the west of Oil Stores for the bulk unloading of petroleum products. This area includes exterior load/unload fill ports and associated concrete pad, sump, and containment trench. The containment trench in this area was installed in 2004. During the installation of the containment trench, excavated materials were identified to have exceeded the TCLP for lead. Subsequently, investigations were conducted in this area in 2005 and 2007 to evaluate the nature and extent of impacts. The investigations in the bulk unload area near the current Oil Stores area have identified the presence of metals and PNAs at concentrations above the Part 201 GRCC in soil. Based on the exceedances of the Part 201 GRCC in the bulk unload area near oil stores, this area would be considered an REC.
- **Additional Bulk Load and Unload Areas:** The Site currently and formerly utilized several areas for bulk unloading and loading of petroleum products and waste and raw materials. These areas include exterior load/unload fill ports and associated concrete pads, as well as former train wells. Some of these areas have been replaced in the recent past; however, others have been in place since the facility was developed. Based on the lack of evidence of a release from other bulk load and unload areas at the Site to the environment, they would not be considered an REC;

however, the current and historic operation should be considered when evaluating business environmental risk associated with the Site.

- **Former Incinerators:** Based on the review of historical drawings, incinerators were formerly located on the Site. One of the incinerators was located to the south of the former Power House, to the east of the railroad tracks and one of the incinerators was to the southwest of the former Power House between Columns H and J, south of Row 40 (numbering did not extend that far south on the drawing). No information regarding the nature of the materials burned in the incinerators or construction, operation or demolition dates of the incinerators was available. Based on the lack of evidence of a release from the former incinerators to the environment, they would not be considered an REC; however, the historic operation should be considered when evaluating business environmental risk associated with the Site.
- **Elevator Pits:** Hydraulic elevators are currently present at the Site. The pits and associated sumps, if present, were not visually evaluated during the Site inspection. No information was available regarding historical releases to the subsurface from the elevator operations. Based on a lack of evidence of a release from the elevators to the environment, they would not be considered an REC; however, the historic operation should be considered when evaluating business environmental risk associated with the Site.
- **Compactor:** The Site utilizes a hydraulic compactor for general refuse. Staining was observed in the general area surrounding the compactor during the Site inspection. Based on the lack of evidence of a release from the compactor to the environment, it would not be considered an REC; however, the historic operation should be considered when evaluating business environmental risk associated with the Site.
- **Historic Residential and Commercial Properties:** Based on the review of historical aerial photographs, city directories, topographic maps, and Site drawings, portions of the Site were historic residential and commercial properties. No information was available regarding the type of heating, UST or AST use, or the presence of septic systems, cesspools or water wells. While no evidence exists to identify this as an REC, insufficient information exists to evaluate potential adverse impact to soil and groundwater at the Site. Therefore, consideration should be given to these items as a business environmental risk.
- **Railroad Track Operations:** Railroad tracks were historically located throughout the Site and were historically utilized for the delivery of raw materials and the shipment of finished products. Site personnel were unaware of the nature of historical delivery of chemicals via railcar, and no documented or known releases of chemicals from the rail shipment activities have occurred. Site personnel indicated that no known dust suppression activities have occurred along the railroad tracks at the Site. In addition several railroad tracks are present to the west of the main manufacturing portion of the Site, between this area and the Clay Avenue Parking Lot. Railcars currently and historically are parked in this area for extended periods

of time. In addition, railroad tracks that historically entered the Main Manufacturing Building were not paved and were lower in elevation than the production floor, which have since been filled and capped to grade. No information regarding the nature of the fill materials was available. Based on the lack of evidence of a release from the rail road operations to the environment, they would not be considered an REC; however, the historic operation of the railroad tracks should be considered when evaluating business environmental risk associated with the Site.

- **Battery Charging Areas:** Satellite battery charging areas are located throughout the facility. Areas of deteriorated concrete were observed beneath the battery charging areas; however, the deterioration was not observed to have penetrated the concrete to the subsurface in the visually accessible areas. Based on the lack of evidence of a release from the battery charging areas to the environment, they would not be considered an REC; however, the current and historic operation should be considered when evaluating business environmental risk associated with the Site.
- **Agricultural Chemicals:** Based on the historic use of the Site as cultivated farmland, agricultural chemicals such as pesticides, herbicides and fertilizer would have historically been used on the Site. Information regarding historic use, storage or application rates was not available. If the chemicals were applied in accordance with manufacturer recommendations, residuals remaining in Site soils would be expected to be similar to other area properties. No information was available to determine whether residual concentrations exceeded government use or exposure criteria. Application of agricultural chemicals for intended use is not considered a release; therefore, potential residuals remaining would not be considered an REC. However, the potential presence of agricultural chemicals may have resulted in Site impairment that may have or could result in adverse impact to Site soil and groundwater. Consideration should be given to the potential presence of these chemicals when evaluating business environmental risk and future uses of the Site.
- **Staining:** Staining, consistent with operations, was observed at various locations throughout the facility. The concrete throughout the facility generally appeared to be in good condition; however, the entirety could not be fully evaluated due to the presence of equipment. Based on the fact that the staining was consistent with operations, was observed on a competent surface, did not represent a threat to human health or the environment, and would not be expected to be the subject of an enforcement action if brought to the attention of the applicable governmental agency, the staining is considered *de minimis*.

Conclusion

CRA performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the former Grand Rapids Metal Plant property located at 300 36th Street SW, City of Wyoming, Kent County, Michigan. Any exceptions to, or deletions from, this practice are described in Section 9.0 of this report. This assessment has revealed no evidence of RECs at this Site, except for the following as described above:

- Adjacent Properties – East of Buchanan Avenue SW;
- Adjacent Properties – Along Clay Avenue SW;
- Adjacent Properties – West Side of Cole Drain;
- Long-Term Industrial Operations;
- Release from Press HS-5;
- LNAPL and SVOC-Impacted Groundwater;
- Former Metal Finishing Operations;
- Mineral Spirits and Mineral Seal Oil USTs;
- WWTP;
- Former Power House;
- Former AOF House;
- Former Heating Oil and Oil USTs;
- Former 5,000-Gallon Gasoline UST;
- Former 1,000-Gallon Gasoline USTs;
- Former Cooling Tower Basin;
- Former Cooling Water Spray Pond;
- Current Baler House;
- Former Heat Treat Operations;
- Former Stamping Operations;
- ASTs;
- Substations;
- Wood Floor Block;
- VOC-Impacted Soil and Groundwater Associated with Column T, Row 27 Former Degreaser;
- Additional Historical Degreasing Operations; and
- Oil Stores Bulk Unload Area.

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- B User Questionnaire
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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) performed a Phase I Environmental Site Assessment (ESA) of the former General Motors Corporation (GMC) Grand Rapids Metal Plant property (Motors Liquidation Company [MLC] Identification Number 1198) located 300 36th Street Southwest (SW), in the City of Wyoming, Kent County, Michigan (the Site) (referred to as the “Site”). The Site currently consists of 88.53 acres of land, including an approximately 2 million square-foot Main Manufacturing Building and several outlying buildings and ancillary structures (Wastewater Treatment Plant [WWTP], Power House, Press Staging Building, Primary Switch House, Baler House, Rack Make-Up Building, South Fire Pump House, West Fire Pump House, Storm Sewer Pump House, Cooling Tower Pump House, Metal Storage Shed, and Guard House), asphalt and concrete-paved areas, a stormwater retention pond, and vegetated and landscaped areas.

1.1 Purpose

MLC (the Client) requested that CRA conduct a Phase I ESA of the Site. The objective of the ESA was to identify recognized environmental conditions (RECs) in connection with the Site, 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. In addition to identifying RECs at the Site, this ESA included an evaluation of specific non-scope considerations as defined in the Standard.

This Phase I ESA includes information gathered from federal, state, and local agencies; personal interviews with people familiar with the Site and surrounding properties; review of relevant Site records made available to CRA; and a Site visit conducted by CRA.

1.2 Detailed Scope of Services

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

- interviews with personnel associated with the Site;
- review of Federal and State environmental databases and historical records (e.g., fire insurance maps, city directory, etc.);

- review of historical aerial photographs of the Site;
- review of past and current property use and adjacent property occupancy;
- inspection of the facilities, equipment, utility services, operations, and associated Site records;
- observations of conditions that represent potential environmental concerns;
- review of chemical use and storage and spill/release incidents;
- review of the results of prior inspections conducted at the Site;
- review of waste handling, accumulation, storage, and disposal practices;
- review of air emissions and wastewater discharges;
- review of equipment that potentially contain polychlorinated biphenyls (PCBs);
- review of equipment that potentially contain sources of ionizing radiation;
- observation of potential asbestos-containing materials (ACM);
- observation of potential lead-based paint (LBP);
- observation of potential wetlands;
- review of aboveground and underground storage tank records;
- review of previous environmental reports prepared for the Site; and,
- preparation of a report presenting our findings, including a summary of conclusions.

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. CRA assumes that the information provided by the Client, Site personnel, the database and historical records provider, and regulatory agencies is true and reliable, unless contradicted by written documentation or field observations.

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 CRA 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 CRA relied upon any information prepared by other parties not under contract to CRA, CRA makes no representation as to the accuracy or completeness of such information. Only the party for whom this report was originally prepared may make use of and rely upon the information in this report, in its entirety, for a period not to exceed 180 days from the Site inspection in accordance with the American Society for Testing and Materials (ASTM) "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 CRA'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. CRA'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.

CRA, 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 MLC and may not be relied upon by any other party without CRA's written consent. 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 current Site address for the former Grand Rapids Metal Plant facility is 300 36th Street SW in the City of Wyoming, Kent County, Michigan.

Based on the review of information available at the on-line Kent County Property Information System, April 2009 composite aerials from the Kent County Bureau of Equalization Property Description & Mapping Division, and information available at the on-line City of Wyoming Assessor, the Site is comprised of four parcels of land with associated addresses, as follows:

- Parcel Identification No. 41-17-24-178-007 - 3838 Clay Avenue SW
- Parcel Identification No. 41-17-13-455-049 – 229 36th Street SW
- Parcel Identification No. 41-17-24-201-007 – 300 36th Street SW
- Parcel Identification No. 41-17-13-455-050 – 301 36th Street SW

The property associated with the address of 3838 Clay Avenue SW is comprised of 7.50 acres of land and was primarily utilized as an asphalt-paved employee parking lot, with a portion used as an entrance to the overhead pedestrian trestle over the railroad into the Main Manufacturing Building, an aboveground storage tank (AST) associated with skimmed oil from the stormwater retention pond, and vegetated/landscaped areas. This portion of the Site is located to the west of the railroad tracks and main property and is zoned I2, which is Industrial District - General. An easement, dated June 27, 1978 is present between Consumers Energy Company and MLC for the “purposes of the construction, use, maintenance, repair or removal of an enclosed pedestrian passageway (bridge) for pedestrians” from the Clay Avenue employee parking lot to the Main Manufacturing Building.

The property associated with the address of 229 36th Street SW is comprised of 0.19 acres of land and was utilized as an asphalt-paved employee parking lot. This portion of the Site is located to the north of 36th Street SW and is zoned as R2, which is Residential District – Single Family.

The property associated with the address of 300 36th Street SW is comprised of 75.00 acres of land and consists of the main portion of the Site. This portion of the Site was utilized for the manufacturing and support operations associated with the plant operations and consists of all of the Site buildings. This portion of the Site is bound to the north by 36th Street SW, to the east by Buchanan Street SW, to the south by 40th Street SW, and to the west by the railroad tracks and is zoned as I2, which is Industrial District – General.

The property associated with the address of 301 36th Street SW is comprised of 5.84 acres of land and was primarily utilized as an asphalt-paved employee parking lot, with a

portion of an entrance to the overhead pedestrian trestle over 36th Street SW into the Main Manufacturing Building and a small structure that is part of the inactive groundwater pump and treat system. This portion of the Site is located to the north of 36th Street SW and is zoned as P1, which is Vehicular Parking District.

It should be noted that the stormwater retention pond was constructed on property owned by Consumers Energy Company.

Easements are reportedly present on the Site, including: sewer and water main easement with the City of Wyoming; utility easements with Consumers Energy Company; reservation of easement in the vacated portions of 40th Street SW, Buchanan Avenue SW, and Birchwood Avenue on the Site; and easement for highway purposes with Kent County.

The legal description for the Site is presented in Appendix A.

Refer to Figure 1 for the location of the Site.

2.2 Site and Vicinity General Characteristics

The Site is located in a mixed residential, commercial, industrial, and recreational area in the City of Wyoming, Kent County, Michigan. The Site currently consists of 88.53 acres of land, including an approximately 2 million square-foot Main Manufacturing Building and several outlying buildings and ancillary structures (WWTP, Power House, Press Staging Building, Primary Switch House, Baler House, Rack Make-Up Building, South Fire Pump House, West Fire Pump House, Storm Sewer Pump House, Cooling Tower Pump House, Metal Storage Shed, and Guard House), asphalt and concrete-paved areas, a stormwater retention pond, and vegetated and landscaped areas. General topographic gradient at the Site and surrounding area is to the west-northwest, based on the United States Geological Survey (USGS) topographic map and information provided in the database search. Current adjoining property use is described in Section 2.5.

2.3 Current Use of the Site

GMC filed for bankruptcy under Chapter 11 of the United States Bankruptcy Code on June 1, 2009. On July 10, 2009, GMC, now known as MLC, pursuant to a bankruptcy court order, sold certain assets, to a new entity, which is now known as GM LLC. The Site was not included in the sale and ownership and remains with MLC. GM LLC currently conducts operations at the Site, under lease from MLC. GM LLC anticipates cessation of operations and vacating the Site on or before June 30, 2010. No manufacturing operations will be conducted at the Site by MLC subsequent to vacation of the property by GM LLC. Operations conducted by MLC at the Site will include required compliance monitoring, equipment sales, decommissioning, and demolition activities, as well as administrative and ancillary operational activities in support of the aforementioned activities.

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

The Site currently consists of approximately 88.53 acres of land, including an approximately 2 million square-foot Main Manufacturing Building and several outlying buildings and ancillary structures (WWTP, Power House, Press Staging Building, Primary Switch House, Baler House, Rack Make-Up Building, South Fire Pump House, West Fire Pump House, Storm Sewer Pump House, Cooling Tower Pump House, Metal Storage Shed, and Guard House), asphalt and concrete-paved areas, a stormwater retention pond, and vegetated and landscaped areas.

The Main Manufacturing Building was originally constructed in 1936, with major additions constructed in 1937, 1939, 1950, 1954, 1964, 1978, 1986, 1988, and 2006. The northern portion of the Main Manufacturing Building was utilized for administrative purposes, including offices, conference rooms, break rooms, a medical center, a cafeteria, a fitness center, access to two pedestrian bridges to employee parking lots to the north of 36th Street SW and the west of the railroad tracks along Clay Avenue SW. This area is a two-story structure constructed on a concrete slab-on-grade floor and finished with floor tile, wallboard/drywall, and drop ceiling tiles. The southern portion of the Main Manufacturing Building was utilized for manufacturing purposes and has high bay areas of varying heights, with concrete block and sheet metal siding walls. The eastern portion of the manufacturing area, between Columns AA and B, Rows 11 to 55 were used for steel coil storage. Tool and Die Operations (TDO) were conducted between Columns AA and O, Rows 1 to 11. A belowgrade grinding swarf and chip conveyor is present in this area, running east-west, then turning southward until Column AA, Row 11-12, where the materials were brought aboveground and placed in a gondola. Blanking and stamping press operations were conducted between Columns AA and O, Rows 12 to 55. A basement and metal scrap conveyor is located beneath this area, which leads to the Baler House. The remainder of the plant is of concrete slab-on-grade construction. Metal assembly/subassembly and support (i.e., maintenance, etc.) operations were conducted between Columns O and W, Rows 3 to 55. Material handling and storage operations were conducted between Columns X and Zb, Rows 3 to 55.

The Baler House was constructed in 1965 and consists of a high bay building, with a concrete floor and equipment pit, which formerly housed four balers for scrap metal generated during manufacturing operations. Two of the balers have been removed from the Site. The Baler House is located adjacent to the west of the Power House.

The WWTP was constructed in 1970 and consists of a two-story building and ancillary structures/equipment. Oily process wastewater from sump pits located in the press room and metal assembly area as well as from two steam clean booths are pumped to an aboveground 5,000-gallon oil skim tank located in the WWTP. Wastewater from the separator tank discharged to one of two 45,000-gallon holding and treatment tanks located on the east side of the WWTP. Oil from the 4,500-gallon separator tank was pumped to one of two 6,000-gallon waste oil cook tanks also located east of the WWTP where it was heated to remove water and be used as boiler fuel in the Power House (used oil is not currently burned in the Power House boilers). Reclaimed used oil is currently discharged to a 100,000-gallon AST, which was noted on construction drawings to be

situated on “oil soaked sands”. Underground piping is present associated with the WWTP operations. When one of the holding tanks was near full and ready for treatment, the influent wastewater from the oil separator tank was directed to the other 45,000-gallon holding tank. Secondary containment is provided by a concrete berm around the tank area with drains that discharge to the WWTP. Concrete berm secondary containment is also present for the cook oil and reclaimed used oil ASTs. The treatment process consisted of air agitation for approximately one-half hour followed by manual addition of liquid cationic emulsion breaker and liquid aluminum chloride to initiate separation of oily sludge and water. Oily sludge was pumped to a 2,200-gallon separator tank before ultimately discharging to a 5,000-gallon oily sludge storage tank for off-Site disposal. Water from the 2,200-gallon separator tank was fed back to one of the holding and treatment tanks. Water separated in the treatment tanks was transferred to an air saturator tank which discharged to a dissolved air flotation unit (DAF). As wastewater flowed through the DAF, it was mixed with a coagulant aid polymer before discharging to the sanitary sewer. The remaining flocculant floating in the DAF unit was skimmed to the oily sludge tank.

The Power House was constructed in 1970 and consists of a multi-level structure, with a basement, that is used to generate steam and heat for the Site. The Power House is located adjacent to the east of the Baler House.

The Press Staging Building was constructed in 1988 and is a single-story structure of concrete slab-on-grade construction for storing press parts and equipment. Historically, power washing was conducted in this building.

The Cooling Tower Pump House was constructed in 1970, along with two cooling towers. The Cooling Tower Pump House is a single-story structure of concrete slab-on-grade construction for housing the pump equipment for the cooling towers.

The construction dates of the Primary Switch House, Rack Make-Up Building, South Fire Pump House, West Fire Pump House, Storm Sewer Pump House, Metal Storage Shed, and Guard House are unknown. These structures are all single-story structures situated on concrete or concrete slab-on-grade. They are/were utilized to house electrical equipment, for repair to storage racks, to house pump equipment for fire suppression purposes (and include adjacent 500,000-gallon water ASTs), to house pump equipment for a storm sewer lift station, to store salt and miscellaneous equipment, and to house a guard at the truck gate entrance.

The Site reconnaissance activities were performed on September 29 through October 2, 2009, and April 20 through 26, 2010.

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

2.4.1 Source of Potable Water

According to individuals associated with the Site, potable water is currently supplied to the Site by the City of Wyoming.

According to individuals associated with the Site, no water supply, oil/gas, irrigation, or dry wells are currently or were historically present on the Site. No evidence of any water supply, oil/gas, irrigation, or dry wells was observed by CRA during the Site inspection. Numerous monitoring wells, which were installed during on-going and historical subsurface investigations, are present at the Site.

Based on the review of available Site drawings and Sanborn maps, Deep Well No. 6 and an associated Pump House were historically located to the west of the Main Manufacturing Building, near Column ZZ, Row 8 ½, with the well located at Row 7. The well and Pump House were removed prior to 1971. No information was available regarding the abandonment procedures employed for the well or the demolition activities conducted for the structure. This area is currently underneath the Main Manufacturing Building. No information was available regarding potential wells associated with the former residential properties. In addition, Well Nos. 11 through 16 were located on the Clay Avenue Parking Lot portion of the Site from at least 1957 to 1960. No information regarding these wells was available.

2.4.2 Sewage Disposal System

The Site is currently connected to the City of Wyoming municipal sanitary sewer system for the discharge of domestic wastewater. According to individuals associated with the Site, no septic systems are currently or were historically present on the Site. No evidence of any septic systems was observed by CRA during the Site inspection. No information was available regarding potential septic systems associated with the former residential properties.

2.4.3 Process Wastewater System

Process wastewater generated during Site operations is discharged to the on-Site WWTP for treatment prior to discharge to the City of Wyoming Publicly Owned Treatment Works (POTW) under Industrial User Permit No. 0038 (see Section 5.3.12).

2.4.4 Stormwater Conveyance System

Stormwater generated at the Site consists of precipitation and runoff from building roofs and impervious surfaces and groundwater collected from the foundation drain system associated with the Main Manufacturing Building (see Section 5.3.10). Stormwater generated at the Site either infiltrates the undeveloped portions of the property or flows via sheet flow to on-Site catchbasins, which discharge to an on-Site stormwater retention pond and eventually to Cole Drain or discharge directly to Cole Drain under a National Pollutant Discharge Elimination System (NPDES) permit with the Michigan Department of Natural Resources and Environment (DNRE [previously the Michigan Department of Environmental Quality, and referred herein as DNRE]). According to Site personnel, catchbasins located in areas where chemicals may potentially come in contact with stormwater discharge to the on-Site WWTP prior to discharge to the City of Wyoming municipal sewer system. All other catchbasins discharge to Cole Drain via the stormwater retention pond or directly to Cole Drain.

2.4.5 Heating/Cooling Systems

Electricity for the Site is supplied underground by Consumers Energy Company (Consumers), who has a substation and Switch House on the Site. Building heat for the Site is provided by steam generated in the Power House. Air conditioning is supplied to the front office areas by roof-mounted central heating/air conditioning units, with individual office/break areas within the plant cooled by individual window-mounted air conditioning units.

The current Power House was constructed at the Site in 1970 and is located to the south of the Main Manufacturing Building and adjacent to the east of the Baler House. The Power House provides building heat and steam to the Site. The Power House is a multiple story building with a basement and includes three natural gas-fired boilers, which have the ability to burn waste oil, No. 2 oil, or No. 6 oil. A brine pit is present to the north of the Power House and to the south of the cooling water towers and pumps.

A coal-fired Power House was constructed at the Site during the initial development of the property by GMC in 1936 and was operated until 1970/71 when the new Power House was brought online. The former Power House was located to the west of the Main Manufacturing Building, adjacent to Column ZZ, Rows 19 and 24, and included an ash silo, skip pit and coal hopper, and Power House Building. Coal was stored adjacent to the south of the former Power House, between Rows 24 and 33, in an area approximately 220 feet by 350 feet in area. Demolition plans for the former Power House indicated that the structural components, with the exception of the western wall of the building, were to be removed to the basement (or lowest floor) slab, with the concrete cracked for infiltration. A belowgrade tunnel, located between Columns ZZ to W, Rows 22 ½ and 22, was also reportedly removed, with the exception of the concrete floor that was cracked, to the western edge of the Main Manufacturing Building. The former Power House utilized a four-inch drain tile around the perimeter of the building, as well as numerous cracks, floor drains, sumps, and catch basins throughout the structure. Demolition plan drawings did not indicate whether or not abandonment/demolition activities were proposed for the portion of the tunnel that was present beneath the Main Manufacturing Building. This area is currently beneath the Main Manufacturing Building.

2.4.6 Solid Waste Disposal

The Site currently and historically generated a variety of solid wastes, including solid wastes, universal wastes and hazardous wastes, associated with operations (see Section 5.3.9).

2.5 Current Uses of Adjoining Properties

The use of the adjoining properties at the time of CRA's Site reconnaissance is summarized as follows:

- The Site is abutted to the north by Price and Company, Godwin Heights Public Schools athletic fields and residential properties, with Hillcroft Park located beyond.
- The Site is abutted to the east by Buchanan Street followed by an Amoco gas station, Tint Factory, N&A Auto Repair, Prestige Transport, LLC, Steil Property Management, RSP Investment Property, Inc., MSC Industrial Supply Co., Clean Rooms International, Independent Glass, Chase Creative Unlimited, Ter Molen & Hart Sheet Metal, Tracer Tool & Die Co., United Auto Workers (UAW) Hall, Conical Tapered Mills, a vacant commercial/industrial building, a vacant lot, Mark Maker Company, and residential properties.
- The Site is abutted to the south by 40th Street followed by Accurate Alignment & Brake and residential properties.
- The Site is abutted to the west by railroad tracks, Cole Drain, Consumers high-tension power lines, Consumers Service Center, The Macomb Group, and Clay Avenue followed by Ryder Truck, Cummins, a vacant commercial/industrial building, K-Mac Plastics, Floyd's Electric, Consolidated Metal Products, Inc., Rose Pest Solutions, Donald Engineering, and Earl Jourdan Auto Parts.

3.0 USER-PROVIDED INFORMATION

The following items regarding the Site were requested by CRA to the Client's representative (User). The questionnaire was submitted to David Favero of MLC. A copy of the questionnaire is provided in Appendix B.

3.1 Title Records

Title records were not provided to CRA for review.

3.2 Environmental Liens or Activity and Use Limitations

David Favero was asked the following questions as part of the assessment:

- Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law? **Answer:** Yes, by State of Michigan.
- Are you aware of any Activity or Use Limitations (AULs), 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

CRA contracted NCO Financial Systems, Inc. (NCO) to conduct a search of environmental liens, associated with the ownership or occupation of the Site. The environmental lien search was not completed as of the date this report was prepared. The results of the environmental lien search will be incorporated upon receipt.

Based on the review of information obtained from the DNRE, a Lien Placement (Assessment No. 05-09-41000115-144) was recorded at the Kent County Register of Deeds for Parcel No. 41-17-24-201-007, which is associated with the Site address of 300 36th Street SW, on May 14, 2009 pursuant to Section 20138(1) of Michigan Act 451, Part 201. The lien was placed on the Site in the amount of \$34,928.10 for historical expenditure of state funds relative to the "response activity costs incurred by the State of Michigan as of May 2, 2009." It should be noted that the recorded lien indicates that "The total amount of the statutory lien may also include additional response activity costs and damage assessment costs incurred by the State of Michigan after the date of the recording of this Lien Placement, and any and all interest authorized to be recovered under state and federal law. This statutory lien in favor of the State of Michigan, DEQ, Remediation and Redevelopment Division (RRD), exists and continues until the liability for such costs and damages is satisfied or resolved or becomes unenforceable through the operation of the statute of limitations as provided for under Section 20140 of the NREPA."

The Site addresses were not listed in the EDR Report as having any AULs. Site personnel and the User were unaware of any AULs associated with the Site address.

A copy of the NCO Environmental Lien Report will be provided in Appendix C.

3.3 Specialized Knowledge

David Favero was asked the following questions as part of the assessment:

- As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? **Answer:** No.
- Are you 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,
 - Do you know the past uses of the Site? **Answer:** Yes, information provided to CRA
 - Do you know of specific chemicals that are present or once were present at the property? **Answer:** Yes, information provided to CRA.
 - Do you know of spills or other chemical releases that have taken place at the property? **Answer:** Yes, information provided to CRA.
 - Do you know of any environmental cleanups that have taken place at the property? **Answer:** Yes, information provided to CRA.
- Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? **Answer:** No
- Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? **Answer:** No
- 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? **Answer:** Yes. Significant non-compliance notice for the sewer discharge.

3.4 Commonly Known or Reasonably Ascertainable Information

David Favero was asked the following question as part of the assessment:

- As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property? **Answer:** Yes.

3.5 Valuation Reduction for Environmental Issues

David Favero was asked the following question as part of the assessment:

- Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? **Answer:** Unknown.

3.6 Owner, Property Manager, and Occupant Information

According to information obtained from Kent County and the City of Wyoming, the Site is owned by Chevrolet-Pontiac-Canada, with the tax payer identified as GMC. GMC filed for bankruptcy under Chapter 11 of the United States Bankruptcy Code on June 1, 2009. On July 10, 2009, GMC, now known as MLC, pursuant to a bankruptcy court order, sold certain assets, to a new entity, which is now known as GM LLC. The Site was not included in the sale and ownership remains with MLC. GM LLC currently conducts operations at the Site, under lease from MLC. GM LLC anticipates cessation of operations and vacating the Site on or before June 30, 2010. No manufacturing operations will be conducted at the Site by MLC subsequent to vacation of the property by GM LLC. Operations conducted by MLC at the Site will include required compliance monitoring, equipment sales, decommissioning, and demolition activities, as well as administrative and ancillary operational activities in support of the aforementioned activities.

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 a description of the topographic, hydrologic and soil conditions in the area of the Site.

4.1 Historical Use Information

4.1.1 Previous Environmental Reports

The following previous environmental investigation reports were prepared for the Site and were available for CRA review:

- Report on Soils Investigation for Fisher Body Retention Basin prepared by Grand Rapids Testing Service and dated October 1972;
- Industrial Environmental Performance Review (IEPR) prepared by General Motors Corporation and dated April 14, 1978;
- IEPR prepared by General Motors Corporation and dated April 10, 1981;
- Inter-Organization Memo – Flood Lube Leak at HS-5 Press prepared by General Motors Corporation and dated August 7, 1981;
- Inter-Organization Memo – Groundwater Monitoring prepared by General Motors Corporation and dated August 25, 1981;
- Hydrogeologic Evaluation (HE) of an Oil Leakage prepared by Environmental Data, Inc. (EDI) and dated December 1981;
- Groundwater Sampling Results prepared by EDI and dated January 12, 1982;
- Groundwater Sampling Results prepared by EDI and dated December 23, 1982;
- IEPR prepared by General Motors Corporation and dated November 22, 1985;
- Water Sampling and Analysis at the Plant Construction Area prepared by EDI and dated February 14, 1986;
- Hydrogeologic Investigation (HI) prepared by EDI Engineering & Science (EDI) and dated March 1986;
- Phase II HI prepared by EDI and dated June 1986;

- Correspondence between GM and MDNR dated between October 2 and November 14, 1986;
- Phase III-A HI prepared by EDI and dated March 1987;
- Phase III-B HI prepared by EDI and dated July 1987;
- Correspondence between GM and MDNR dated between June 15 and October 14, 1987;
- Phase IV-A Soil Vapor Pilot Study (Pilot Study) prepared by EDI and dated August 1988;
- Phase IV-B HI prepared by EDI and dated July 1988;
- Phase IV-C HI prepared by EDI and dated July 1988;
- TCE Remediation Monitoring Program (RMP) prepared by EDI and dated March 1989;
- Available Information on 1,1,1-TCA prepared by EDI and dated September 6, 1989;
- TCE Emission Testing (ET) Report prepared by EDI and dated September 21, 1989;
- Off-Site Groundwater Purge Evaluation prepared by WW Engineering & Science and dated April 1993;
- Addendum to the May 1993 Geotechnical Investigation Report for the Proposed Press Pit, 13-Bay Area - Soil Characterization Results prepared by WW Engineering & Science and dated June 17, 1993;
- Abandonment of Monitoring Well X-10 prepared by GMC and dated February 23, 1998;
- Results of Soil and Groundwater Sampling Performed in 17-Bay prepared by Earth Tech, Inc. (Earth Tech) and dated October 27, 1998;
- Results of Soil and Groundwater Sampling Performed in 20-Bay prepared by Earth Tech and dated March 3, 1999;
- Notice of Migration of Contamination prepared by GMC and dated June 9, 1999;
- Documentation of Compliance with Section 20107a of Part 201 of Michigan Act 451 Pursuant to Administrative Rule 1003(4)(a) prepared by CRA and dated January 2002;

- Evaluation of Groundwater and Soil Vapor Extraction Treatment Systems prepared by CRA and dated August 13, 2002;
- Monitoring Well Network Evaluation prepared by CRA and dated August 13, 2002;
- 4-Bay and 5-Bay Press Pit Excavation (Site records) dated August to November 2002;
- Historical Documentation Review Summary prepared by CRA and dated December 23, 2002;
- Additional Historical Documentation Review Summary prepared by CRA and dated January 21, 2003;
- Notice of Migration of Contamination prepared by GMC and dated September 19, 2003;
- Data Report, Activities from March to December 2003 prepared by CRA and dated February 2004;
- 2004 Data Report prepared by CRA and dated December 2004;
- Results of Press Pit and Perforated Sump System Sampling prepared by CRA and dated January 6, 2006;
- Summary of Soil Investigations – Former Soil Vapor Extraction System Area prepared by CRA and dated September 8, 2006;
- 2005 Bulk Unload Area Investigation Summary prepared by CRA and dated September 8, 2006;
- 2005-2006 Investigation Data Report prepared by CRA and dated April 2007;
- Summary of Adjacent Property Review – Conical Tool Company prepared by CRA and dated September 12, 2007;
- 2007 Bulk Unload Area Investigation Summary prepared by CRA and dated October 26, 2007;
- Summary of Adjacent Property Review – West Side of Cole Drain prepared by CRA and dated December 5, 2007; and
- October 2009 Semi-Annual Groundwater Monitoring Report prepared by CRA and dated March 3, 2010.

Soils Investigation, Grand Rapids Testing Service, October 1972

A Report on Soils Investigation was prepared for the Fisher Body Retention Basin by Grand Rapids Testing Service and dated October 1972.

The purpose of the investigation was to determine soil classification, soil bearing capacity, and groundwater information.

According to the report, four borings were advanced to 20 feet below ground surface (bgs). Soils at the Site were characterized as fibrous organic peat overlying granular materials (course sand and pebbles). Groundwater was encountered in borings 1, 2, 3, and 4 at 14.3 feet bgs, 14 feet bgs, 1-foot bgs, and 0.5 feet bgs, respectively. No boring location map was included in the report. The report further discussed the bearing capacity of soils in the locations where foundations for structures to be placed in or around the retention basin were proposed.

A subsequent letter prepared by Grand Rapids Testing Service and dated October 25, 1972 indicated that the material comprising the basin slopes was highly organic and should not be relied upon to support any structure. It was recommended that soils in the area of the proposed embankment be removed prior to completing the retention basin.

IEPR, GMC, April 14, 1978

The GMC Plant Environment Department of Environmental Activities Staff (EAS) conducted an IEPR at the Site dated April 14, 1978. The purpose of the IEPR was to determine the plant's status with regard to Environmental Regulations and recommended procedures for Plant Engineering.

Based on review of the report, the following areas of potential concern were identified relating to air quality, water quality, waste materials, and hazardous materials:

- Calculated hydrocarbon emissions from the deadener and zinc primer spray booths exceeded limits specified in associated Permits to Operate (PTOs)/Permits To Install (PTIs);
- No PTO or PTI had been obtained for the tar house located south of the manufacturing building used to heat tar for floor block repairs;
- Sulfur content of No. 2 fuel oil had not been tested to verify compliance with regulations;
- Testing of specific parameters in water at all outfalls per the recommendations of bulletin WPC-77 had not been performed;
- PCB transformers on the roof of the powerhouse were located near a roof drain and small leaks from the transformers were observed;

- The diesel AST (associated with fire suppression system) was located near an open storm drain; and
- Copies of waste haulers and disposal sites licenses were not on file.

IEPR, GMC, April 10, 1981

The GMC Plant Environment Department of EAS conducted an IEPR at the Site dated April 10, 1981. The purpose of the IEPR was to re-evaluate deficiencies identified during a previous review conducted in 1978 and in response to revised regulations and plant conditions since the previous review. The review consisted of records review and plant observations.

Based on review of the report, the following areas of potential concern were identified relating to air quality, water quality, waste materials, and hazardous materials:

- Discharges to the sanitary sewer in the previous November, January, and February exceeded permit and code limitations for oil and grease;
- Not all testing according to Bulletin WPC 81-1 (previously 77-3) had been performed at outfalls;
- Trace concentrations of PCBs had been detected in sewer discharges and not all hydraulic systems fluids had been analyzed to determine the presence of PCBs; and
- PCB transformers on the roof of the Power House were located adjacent to roof drains. Based on review of the report, a small leak was observed on one of the transformers.

In a plant disposition letter dated October 15, 1981, the following actions were taken to address the above issues:

- Testing for oil and grease in wastewater was increased and attempts to characterize the oil residue were made. The plant also requested that the City of Wyoming increase the limit to 100 ppm from 50 ppm;
- It was noted that storm sewer and sanitary sewer outfalls that were not being tested (per bulletin WPC 81-1) only received water from employee parking areas and sanitary wastewater from one guard house;
- Seventy-two hydraulic systems were tested for PCBs and no PCBs were detected above laboratory method detection limits. Additionally, waste oil and oily sludge were regularly tested for PCBs and had been below detection limits; and
- PCB transformers on the roof of the Power House were replaced.

Inter-Organization Memorandum, GMC, August 7, 1981

A memorandum was prepared regarding a flood lube leak at HS-5 press dated August 7, 1981. The memorandum included a historical overview of operations and problems associated with HS-5 press. According to the information reviewed, the press was installed in approximately 1973 or 1974. A leak from HS-5 press occurred in March 1979, which leaked into the press pit of an adjacent press (Z-1 press) and a new pan was installed in April or May of 1979. Oil was again observed on the press pit wall in June and July 1981 whenever HS-5 press was operating; therefore, the press was removed in July 1981. At that time, the containment area around the flood lube sump pan was observed to be leaking onto the underlying concrete floor and into cracks in the floor. A section of floor was removed to evaluate the ground surface. Visual and olfactory evidence of impact was observed to at least five feet bgs in the area between HS-5 press and Z-1 press.

Inter-Organization Memorandum, GMC, August 25, 1981

A memorandum was prepared by GMC, dated August 25, 1981, discussing historical soil boring data reviewed for the Site. According to the memorandum, test borings were advanced at the Site in 1954 and 1977. Boring logs were reviewed in order to understand subsurface conditions and the potential for leaked oil to migrate. Based on review of the data provided from the borings, the following information was obtained and summarized in the memo:

- Soils beneath the Site consisted of medium to fine-grained sand with gravel to a depth of approximately 40 feet bgs. This was underlain by a saturated fine sand situated between layers of silty clay;
- Bedrock was observed between 60 and over 100 feet bgs across the Site. It was suggested that a valley was present in the bedrock running from southeast to northwest across the Site;
- Groundwater appeared to flow generally toward the west across the Site at a rate of two to four feet per day. Groundwater flow along the west side of the plant was to the southwest as indicated by the 1954 borings and changed to the north as indicated by the 1977 borings;
- Groundwater flow, at the time of the memorandum, was suspected to be radial towards the plant due to dewatering activities taking place over several years;

Based on review of the memorandum, GMC concluded it was unlikely that oil leaked to the subsurface had migrated a significant distance; however, current groundwater flow conditions were unknown. It was recommended that monitoring wells be installed across the Site to monitor static water levels and groundwater quality in the upper aquifer.

HE of an Oil Leakage, EDI, December 1981

A Hydrogeologic Evaluation of an Oil Leakage report was prepared for the Site by EDI and dated December 1981.

An oil leak was identified at the Site from the sump pan of press HS-5 in 1979. Approximately 5,500 gallons of water soluble oil was released from the sump to the underlying and adjacent sandy soils. The leak was detected when oil from the release began infiltrating an adjacent press pit. The sump was repaired, and the infiltration ceased. In June 1981, the infiltration resumed and it was determined that the sump pan containment was releasing the oil to the ground. No information regarding the construction or depth of the sump was available. To investigate the extent of the impact from the releases, a section of the floor in the plant was removed and the underlying soil was examined. Black staining was observed directly beneath the floor, and odors were detected in soil samples collected to a depth of 5 feet bgs. According to individuals associated with the Site, press HS-5 was formerly located at Column B-35 in the plant. Based on the aforementioned information, EDI was contracted to conduct a hydrogeologic investigation.

Available geologic information from the installation of the building foundation indicated that the overburden below the plant consisted of sand to a depth of approximately 40 feet bgs. A silty blue clay layer was present beneath the surficial sand, with interbedded sand and clay layers below the blue clay to bedrock. Bedrock below the plant was identified to vary from 60 to 120 feet bgs. The Michigan formation underlies the glacial overburden. The HE identifies this formation is a fresh water aquifer, and the source of potable water for a City of Wyoming well field, located to the west of the Site, across the Cole Drain. However, later information obtained by CRA from the City of Wyoming indicates that the source of water for the City of Wyoming is currently Lake Michigan. It is unknown if the well field was still in use at the time the HE was prepared. Static water levels in the upper aquifer were reportedly located at approximately 21 feet bgs. The groundwater flow direction in the upper aquifer was anticipated to be to the west, towards the Cole Drain, which was anticipated to act as a discharge boundary for the upper aquifer. Therefore, EDI concluded that potential impacts from the oil release would be to the upper aquifer below the Site, with no potential downgradient receptors.

The SOW for the HE included: the evaluation of the toxicity and degradability of the leaked oil; an analytical scan for phenolic compounds; the collection of soil samples for analysis for grease and oil, and chlorinated paraffin; and the installation of one temporary monitoring well and the collection of groundwater samples for analysis for grease and oil, total organic carbon (TOC), and chlorinated paraffin.

The oil used in the press was Tuf-Draw D-S Compound 21305 and was supplied by the Franklin Oil Company. Based on the review of the material safety data sheet (MSDS) for the product, the constituents of the oil were liquefied paraffin wax, oil soluble petroleum sulfonate, lard oil, ethoxylated alcohols, tri-ethanolamine, and chlorinated paraffin.

A soil boring was installed near the HS-5 press to a depth of approximately 45 feet bgs, to the blue clay layer. A total of 11 soil samples and 4 groundwater samples were collected and analyzed for grease and oil, and chlorinated paraffin. In addition, the groundwater samples were analyzed for TOC. Analytical results for grease and oil, and chlorinated paraffins indicated decreasing concentrations with depth in soil. Analytical results for groundwater indicated higher concentrations of grease and oil, and TOC in the sample collected from 40.5 to 43.5 feet bgs. Soil samples were collected from 2-foot split spoon intervals from 0.7 to 2 feet bgs, 2 to 4 feet bgs, 4 to 6 feet bgs, 6 to 8 feet bgs, 8 to 10 feet bgs, 10 to 12 feet bgs, 12 to 14 feet bgs, 14 to 16 feet bgs, 16 to 18 feet bgs, 18 to 20 feet bgs, and 20 to 22 feet bgs. Groundwater grab samples were collected during the installation of the soil boring at 21 to 24 feet bgs, 25.5 to 28.5 feet bgs, and 30.5 to 32.5 feet bgs. The monitoring well was installed with a screen from 40.5 to 43.5 feet bgs and a groundwater sample was collected from the monitoring well. Based on the review of the soil boring/monitoring well construction log, upon completion the monitoring well was covered with a 2 ½-inch thick, 18-inch by 18-inch steel plate. No information regarding the current status of the well is available and individuals currently associated with the Site were unaware of the former location of the monitoring well.

Based on the results of the HE, EDI provided the following conclusions:

- All of the constituents in the oil are non-toxic, with the exception of the chlorinated paraffins, which are biodegradable. However, a detailed description of the contents of the chlorinated paraffins could not be obtained from the manufacturer;
- Oil has penetrated the unsaturated soils to the water table. The highest concentrations were detected in the upper 6 feet of soil. Based on the lack of precipitation and the potential for migration to the groundwater table therefrom, the soil contamination will naturally degrade without impact to potential receptors beneath the floor of the plant; and
- Groundwater does not appear to be impacted by the release; however, TOC and grease and oil were detected in the groundwater sample collected above the clay layer.

Based on the results of the HE, EDI provided the following recommendations:

- Collection of one additional groundwater sample from the monitoring well for grease and oil, and TOC. If analytical results indicate the same levels of grease and oil, and TOC, further analysis for Priority Pollutants is recommended. In addition, EDI recommended that the monitoring well be left in place and screened at the water table.

Groundwater Sampling Results, EDI, January 12, 1982

A letter was prepared by EDI and dated January 12, 1982 discussing laboratory analytical data for a groundwater sample collected from the monitoring well installed adjacent to HS-5 press. According to the analytical report, the sample was collected from TW1 on December 15, 1981. The sample was analyzed for oil & grease and TOC. Oil & grease was detected at a concentration of 0.4 mg/L, a decrease from the concentration of 20 mg/L detected in a previous sample collected from the same location. TOC was detected at a concentration of 8 mg/L, which remained unchanged from the previous sampling event. According to EDI, the analytical results supported the conclusion made in the December 1981 HE report that no substantial impact to groundwater had occurred as a result of the leak from HS-5 press.

Groundwater Sampling Results, EDI, December 23, 1982

A letter was prepared by EDI and dated December 23, 1982 discussing laboratory analytical data for a groundwater sample collected from the monitoring well installed adjacent to HS-5 press on November 9, 1982. The sample was analyzed for Priority Pollutants and no constituents were detected above laboratory method detection limits. According to the letter, no further monitoring at this well location was needed to investigate the oil leak from HS-5 press. It was recommended that the well be removed.

IEPR, GMC, November 22, 1985

The GM Plant Environment Department of EAS conducted an IEPR at the Site dated November 22, 1985. The purpose of the IEPR was to re-evaluate deficiencies identified during a previous review conducted in April 1981. Site records were reviewed and plant observations were made relating to air quality, water quality, waste materials, and hazardous materials.

Based on review of the report, the following areas of potential concern were identified:

- Zinc exceeded City of Wyoming Order of Determination limits in two of four wastewater samples collected between October 1984 and November 1985;
- 1,1,1-TCA and bis (2-ethylhexyl)phthalate were detected in stormwater samples collected from Outfalls 010 and 011 above the GM Plant Environment recommended level of 10 ppb. It was recommended that an investigation be conducted to identify and eliminate the source of these chemicals;
- It was noted that wastewater treatment sludge, zinc primer residue, steam clean sump pit sludge, maintenance sump pit sludge, and oil separator sludge should be characterized to determine if any of these waste streams are hazardous waste. If the wastes were considered hazardous, then the Site's SQG status would not be valid; and
- Other labeling, and record-keeping issues were also identified in the report.

Water Sampling and Analysis, (prepared by EDI), February 14, 1986

Water sampling was conducted on November 13, 1985 and January 13, 1986 from discharge points and dewatering wells in an area under construction at the south end of the plant. The results of the sampling were summarized in a letter prepared by EDI and dated February 14, 1986.

Sampling activities at the dewatering wells and the intermediate discharge points that drained into the stormwater retention basin were conducted at the request of the MDNR.

Dewatering was conducted from five wells, BH-1, BH-2, BH-3, BH-4, and 1, near the edge of the excavation in the southern portion of the building where new building construction was occurring. Water collected from the dewatering wells was collected and discharged to the Baler House discharge point. In addition, the water from dewatering well 1 discharged to the oil storage discharge point. Both the Baler House and oil storage points discharged to the stormwater retention pond.

Water samples were collected on November 13, 1985 from the Baler House and oil storage discharge points and were analyzed for volatile Priority Pollutants. 1,1-DCE and 1,1,1-TCA were detected in the Baler House discharge above the Michigan Act 451, Part 201 (Part 201) Generic Residential Cleanup Criteria (GRCC). PCE and TCE were detected in the Baler House and oil storage discharges above Part 201 GRCC.

Water samples were collected on January 13, 1985 from the dewatering well discharge points BH-1, BH-2, BH-3, and BH-4, the oil storage discharge, and the stormwater retention pond effluent and were analyzed for volatile Priority Pollutants. PCE was detected in the water samples collected from BH-1, BH-2, BH-3, and the oil storage discharge above the Part 201 GRCC. TCE was detected in the groundwater samples collected from BH-1, BH-3, and the oil storage discharge above the Part 201 GRCC.

Hydrogeologic Investigation, EDI, March 1986

A HI was conducted at the Column A-15 excavation at the Site by EDI and was summarized in a report dated March 1986.

An excavation was installed during plant modernization activities in June 1985. The excavation was approximately 20 feet in depth, and was located near Column A-15 of the plant. Soil was removed in particular areas to the water table, where a layer of free product was observed. The free product was believed to consist of mineral spirits. Based on the visual and olfactory presence of contamination, a HI was undertaken by EDI to determine the extent of the oil contamination.

A total of seven monitoring wells, 85-1, 85-2, 85-3, 85-4, 85-5B, 85-6, and 85-7, were installed during the HI in November and December 1985. In addition to the seven monitoring wells installed by EDI in November and December 1985, soil borings 201

through 213 and 304 through 312 were installed in March and April 1985 by Soils and Materials Engineers, Inc. (SME). A copy of a report summarizing the field activities conducted by SME was not available for review. Four of the wells were installed around the excavation, in the northeastern portion of the plant, and three wells were installed outside the plant on the north, northwest, and west sides of the plant. The monitoring wells were installed to monitor the static groundwater levels and the levels of potential free product in select monitoring wells. Free product was observed in monitoring wells 85-3, 85-4, and 85-5B. Groundwater flow was determined to be to the north-northwest in the monitoring wells, towards Cole Drain and Plaster Creek. Geology and hydrogeology at the Site were investigated during the HI. Based on the HI, the plant is underlain by glacial outwash sediments comprised of sand and gravelly sand.

Groundwater samples were collected from each of the monitoring wells for laboratory analysis for Priority Pollutants. Based on the analytical results, TCE was detected in groundwater samples collected from monitoring wells 85-2 and 85-7 above the Part 201 GRCC. Fluoranthene, fluorene, phenanthrene, and pyrene were detected in the groundwater sample collected from monitoring well 85-3 above the Part 201 GRCC. No other parameters were detected above the Part 201 GRCC; however, trans-1,2-DCE, toluene, 1,1-DCA, PCE, 1,1,1-TCA, naphthalene, bis(2-ethylhexyl) phthalate, and di-n-butyl phthalate were identified above the laboratory method detection limits.

Based on attached correspondence dated February 24, 1986, as of February 13, 1986, 2,670 tons of potentially contaminated soil had been removed from the Column A-15 area for off-Site disposal and it was estimated that 12,000 tons of soil still needed to be removed from the Steel Stores area. Processes similar to those used at Column A-15 were also used in this area.

Based on the results of the HI, EDI provided the following recommendations:

- The collection of groundwater samples on a semi-annual basis and analyzed for Priority Pollutant volatiles in all monitoring wells, and for Priority Pollutant base neutrals in monitoring wells 85-3, 85-4, and 85-5B;
- Monitoring should be reduced to detected constituents only after one year;
- The installation of four additional monitoring wells along the north side of the plant and the collection of groundwater samples for Priority Pollutants;
- The installation of one additional well adjacent to 85-7 for the detection of TCE; and
- The installation of a nested well series comprised of two wells, one well set to straddle the water table and one well set on top of the clay layer, near the north end of the plant downgradient of 85-7.

Phase II HI, EDI, June 1986

A Phase II HI was conducted at the Site by EDI and was summarized in a report dated June 1986.

The MDNR reviewed the previous HI report prepared by EDI. The work plan for the Phase II HI report incorporated MDNR's comments received by GM in a letter dated April 2, 1986.

The purpose of the Phase II HI was to determine the source of the TCE contamination identified during the HI in monitoring well 85-7, if the TCE contamination was limited to the Site, and to identify if the oil identified in the excavation near Column A-15 had migrated downgradient to the edge of the plant.

The Phase II HI indicated that historical plant records identified a former parts cleaner station near Column T-27. Records indicated that the parts cleaner was installed in 1953, removed in 1979, and utilized TCE as a degreaser. One monitoring well, 86-2, was installed near the former parts cleaner station location. Six soil and three groundwater samples were collected during the installation of 86-2 for vertical definition of contamination in the suspected source area for analysis for TCE. TCE was detected in the soil sample collected from 86-2 (at 24 to 25.5 feet bgs) above Part 201 GRCC. TCE was detected in the groundwater samples collected from 86-2 (at 30 to 33 feet bgs, at 40 to 43 feet bgs, and 45 to 48 feet bgs) above the Part 201 GRCC. TCE was not identified in any other groundwater samples above the applicable Michigan Act 451, Part 201 Residential Cleanup Criteria.

One monitoring well, 86-3, was installed to investigate the contamination at the downgradient boundary of the Site. Six groundwater samples were collected during installation from monitoring well 86-3 for analysis for TCE. TCE was detected in all of the groundwater samples collected from monitoring well 86-3 (at 21 to 24 feet bgs, 34 to 36 feet bgs, 44 to 46 feet bgs, 53 to 55 feet bgs, 63 to 65 feet bgs, and 64 to 69 feet bgs) above the Part 201 GRCC. TCE was not identified in any other groundwater samples above the Part 201 GRCC.

One monitoring well, 86-1, was installed to determine if the oil observed near the excavation at Column A-15 has migrated downgradient. Six soil samples and three groundwater samples were collected during the installation of 86-1. TCE was not reported to be detected in soil or groundwater samples at concentrations above the Part 201 GRCC.

In addition, a total of eight groundwater samples were collected from each of the on-Site monitoring wells, 85-1, 85-2, 85-3, 85-6, 85-7, 86-1, 86-2, and 86-3, for analysis for Priority Pollutant volatiles. TCE was detected in the groundwater samples collected from monitoring wells 85-2, 85-7, and 86-3 above the Part 201 GRCC. TCE was also detected in the groundwater sample collected from monitoring well 86-2 above the Part 201 Residential GRCC. PCE was detected in the groundwater samples collected from monitoring wells 85-6 and 86-2 above the Part 201 GRCC. No other parameters were

identified above the Part 201 GRCC; however, 1,1,1-TCA, trans-1,2-DCE, 1,1-DCE, and chloroform were detected in the groundwater samples above laboratory method detection limits.

In addition to the installation of monitoring wells, field activities included a city water search for potential downgradient off-Site receptors (i.e., private water supply wells). The City of Wyoming was contacted by ET to obtain a list of the residences that were connected to the municipal water supply immediately downgradient of the Site. Locations of residences searched included those located on Hillcroft, Birchwood, Buchanan, 34th and 35th Streets. Based on the results of the search, a survey was further conducted for field verification of addresses not appearing on the City of Wyoming provided list. The results of the search indicated that three wells were present within a mile radius of the Site. One well, located approximately three-quarters of a mile north of the Site, was identified to be utilized for commercial purposes. The other two wells are located upgradient of the Site, approximately one half-mile southwest of the Site. The remainder of the properties appeared to be connected to the City of Wyoming municipal water supply at the time of the search.

Static water levels were collected from the monitoring wells on May 5, 1986 in order to determine the groundwater flow direction and velocity. The groundwater flow direction was determined to be north, the hydraulic gradient was calculated to be 6.9 ft/mile, and the groundwater flow velocity was calculated to be between 0.089 to 1.01 ft/day. In-situ tests were conducted at select wells to determine the hydraulic conductivity of the upper groundwater unit.

Based on the results of the Phase II HI, TCE concentrations were highest in the vicinity of the suspected source area, the former parts cleaner. In addition, elevated levels of TCE were identified in the groundwater samples collected from the monitoring well located on the northern portion of the Site.

Correspondence, GMC & MDNR, October-November, 1986

A letter was issued to the Site by the MDNR dated October 2, 1986. The letter confirmed details of a September 12, 1986 meeting between the two parties discussing the results of the Phase II HI and further investigation and remediation activities.

According to the letter, GMC proposed the following investigative and remedial actions related to the TCE release identified during the Phase II HI:

- Installation of air purge and vacuum recovery wells in the TCE source area;
- Use of the air purge and vacuum recovery wells in a pilot study to remove TCE from soil and groundwater in-situ;
- Delineate the plume along the northern Site boundary using soil gas and monitoring wells; and

- Sample collection from Cole Drain for analysis of TCE.

A Work Plan and implementation schedule were to be submitted to the MDNR by October 17, 1986. The letter also indicated that GMC would be required to document the extent of off-Site TCE contamination.

According to a separate letter available for review, the Work Plan for the Phase III HI and remediation strategy was submitted to the MDNR on October 14, 1986. According to the letter, the Work Plan also included the investigation of two other potential degreaser locations that were believed to be present in the late 1940s and early 1950s.

The MDNR reviewed the Phase III Work Plan as discussed in correspondence to GM dated November 14, 1986. According to the letter, the Work Plan was tentatively approved pending a schedule for implementation was submitted to the MDNR. The letter also noted that the locations of former degreasing operations had been identified since the Phase III HI Work Plan was submitted. It was stated that a separate Work Plan to investigate these areas was not required pending that procedures followed those approved in the Phase II HI Work Plan and that results could be incorporated into the Phase III HI report.

Phase III-A HI, EDI, March 1987

A Phase III-A HI was conducted at the Site by EDI and was summarized in a report dated March 1987.

The purpose of the Phase III-A HI was to delineate the extent of TCE contamination in soil and groundwater at the Site.

Soil vapor samples were collected from below the plant floor in three areas (Column T-27, Column O-44, and Column RS-9) and along the south side of 36th Street. A total of 50 soil vapor samples were collected for analysis for TCE. Elevated levels of TCE were identified in soil vapor samples collected from the area near Column T-27. Based on the results of the Phase III-A HI, EDI determined that the extent of the soil vapor contamination had been defined and was sufficient for removal utilizing soil vapor extraction.

A total of five soil borings/monitoring wells, 87-1, 87-2, 87-3, 87-4, and 87-5, were installed during the Phase III-A HI. A total of 25 soil and 16 groundwater samples were collected during the Phase III-A HI. Soil and discrete groundwater samples were analyzed for TCE. Groundwater samples collected from monitoring wells were analyzed for volatile, acid, and base neutral Priority Pollutants, hardness, pH, iron, and grease and oil. TCE was identified in the soil samples collected from soil boring 87-3 (at 14 to 15.5 feet bgs and 18 to 19.5 feet bgs) above the Part 201 GRCC. TCE was not detected in any other soil samples above the Part 201 GRCC. TCE was identified in the discrete groundwater samples collected from soil borings 87-1 (at 25 to 28 feet bgs, 34.5 to 37.5 feet bgs, and 43.5 to 46.5 feet bgs), 87-2 (at 25 to 28.5 feet bgs, 35 to 38.5 feet bgs, and 43 to 46 feet bgs), 87-4 (at 22.3 to 24.3 feet bgs and 32 to 35 feet bgs), and 87-5 (at

22 to 24 feet bgs, 31 to 34 feet bgs, 41 to 44 feet bgs, and 51 to 54 feet bgs) above the Part 201 GRCC. TCE was identified in the discrete groundwater samples collected from monitoring wells 87-1, 87-2, and 87-5 above the Part 201 GRCC. TCE was detected in the groundwater sample collected from monitoring well 86-2 above the Part 201 GRCC. TCE was detected in the groundwater samples collected from monitoring wells 87-1, 87-2, 87-4, and 87-5 above the Part 201 GRCC. Bis-2-ethyl hexyl phthalate was detected in groundwater samples collected from monitoring wells 86-2, 87-2, and 87-4 above the Part 201 GRCC. No other parameters were identified in the soil or groundwater samples above the Part 201 GRCC.

Static water levels were collected on two occasions during the implementation of the Phase III-A HI. Groundwater flow direction was determined to be to the north-northwest, which was consistent with previous groundwater flow calculations. The groundwater flow velocity and gradient were observed to be consistent with previous calculations.

The wells installed in the source area were constructed for use in vapor recovery. Wells 87-1, 87-2, 87-4, and 87-5 were installed with 10-foot screens in the vadose zone for the removal for vapors. Based on the results of the soil vapor sampling conducted during the Phase III-A HI and the installation of the soil vapor wells, EDI recommended a work plan for soil vapor extraction.

Phase III-B HI, EDI, July 1987

A Phase III-B HI was conducted at the Site by EDI and was summarized in a report dated July 1987.

The purpose of the Phase III-B HI was to determine the potential impact of the TCE plume on the water quality of the Cole Drain, to determine the width of the plume on the northern portion of the Site, and to obtain information about the aquifer characteristics on the northern portion of the Site.

Soil vapor samples were collected along the south side of 36th Street to determine the locations for two additional monitoring well installations. The results of the soil vapor sample collection identified that the TCE plume was present 400 feet east and 300 feet west of monitoring well 85-7. Based on the results of the soil vapor sampling, two additional monitoring wells, 87-8 and 87-9 were installed to the east and west of current monitoring well 86-3.

Seven surface water samples were collected from Cole Drain and analyzed for Priority Pollutant volatiles. Low, uniform levels of TCE were identified near the stormwater pond outfall, as well as upgradient and downgradient of the outfall location. It should be noted that PCE was identified at a concentration of 11 µg/L in the surface water sample collected from the Cole Drain adjacent to Clay Avenue, located upstream of the Site.

Five groundwater samples were collected during the installation of monitoring well 87-8 and seven groundwater samples were collected during the installation of monitoring well

87-9 for analysis for TCE. TCE was identified in the groundwater samples collected from monitoring wells 87-8 (at 18.7 to 19.7 feet bgs, 28 to 31 feet bgs, and 58 to 61 feet bgs) and 87-9 (at 16 to 17.5 feet bgs, 22 to 25 feet bgs, 32 to 35 feet bgs, 41 to 44 feet bgs, 52 to 55 feet bgs, and 62 to 65 feet bgs) above the Part 201 GRCC.

In addition, a total of four groundwater samples were collected from monitoring wells 85-7, 86-3, 87-8 and 87-9 for analysis for grease and oil, total iron, hardness, pH, and Priority Pollutants. TCE was detected in monitoring wells 85-7, 87-8, and 87-9 above the Part 201 GRCC. TCE was detected in monitoring well 86-3 above the Part 201 GRCC. Bis-2(ethylhexyl) phthalate was detected in monitoring well 85-7 above the Part 201 GRCC. Butyl benzyl phthalate was detected in monitoring well 86-3 above the Part 201 GRCC. No other parameters were reported to be detected above the Part 201 GRCC.

The average hydraulic conductivity across the Site was calculated to be 149 ft/day, with a hydraulic gradient of 7.2 ft/mile. Porosity at the Site was estimated to be 25%, with an estimated velocity of 0.8 ft/day.

Based on the results of the Phase III-B HI, the core of the plume was approximately 300 feet wide on the north Site boundary. The plume had traveled approximately 1,200 feet from the suspected source area; however, due to the lack of information regarding the date of the release, the extent of off-Site migration could not be speculated.

In addition, the Phase III-B HI included a work plan scope of work for the recommended next phase of work.

Correspondence, GMC & MDNR, June 15 and October 14, 1987

A letter was issued to the Site by the MDNR dated June 15, 1987. The letter confirmed details of a June 11, 1987 meeting between the two parties discussing the results of the Phase III-A HI and remediation activities.

According to the letter, the Site was granted verbal approval to initiate a soil vapor recovery pilot study. Pump testing was also set to begin in relation to groundwater purge activities at well 87-5.

The preliminary findings of the Phase III-B HI were also discussed at the June 11, 1987 meeting and according to the letter, the lateral extent of the TCE plume along the northern Site boundary had been defined. Furthermore, water samples collected from Cole Drain, upstream and downstream of the Site, exhibited similar concentrations.

Based on review of correspondence dated October 14, 1987, the MDNR approved the findings of the Phase III-B HI report with no additional comments or recommendations. According to the letter, verbal approval had been given to the Site to initiate a soil gas study and install five additional wells at the Site.

Phase IV-A Pilot Study, EDI, August 1988

A Phase IV-A Soil Vapor Pilot Study (Pilot Study) was conducted at the Site by EDI and was summarized in a report dated August 1988.

The purpose of the Pilot Study was to develop the required data to design a remediation system.

Eight ½-inch probes, P1 through P8, were installed in the general vicinity of the vapor recovery well, 87-3. P1 was installed to a depth of 10 feet bgs and P2 through P8 were installed to a depth of 15 feet bgs. Three day trial runs were conducted on the probes at air flows of 38, 52, and 110 cubic feet per minute. In addition, a 30 day trial run at 110 cubic feet per minute was conducted separately after reviewing the results of the three initial trials.

Based on the results of the Pilot Study, EDI provided the following conclusions:

- The upper portion of the soil vapor extraction well screen should be blanked off to enhance the rate of TCE recovery;
- An air flow rate of 100 cubic feet per minute (cfm) is sufficient for removing the TCE from the soils and no economic advantage is gained by increasing the air flow above 100 cfm;
- Based on the available data, an asymptotic concentration of TCE or the anticipated duration of the TCE removal could not be determined; and
- Based on the available data, a PTI application could be submitted to the MDNR to propose operation of an SVE system.

Phase IV-B HI, EDI, July 1988

A Phase IV-B HI was conducted at the Site by EDI and was summarized in a report dated July 1988.

The purpose of the Phase IV-B HI was to determine the potential for removal of TCE from the groundwater and the control of groundwater flow in the source area for future source migration to groundwater.

Formation characteristics in the vicinity of monitoring wells 86-2, 87-1, 87-4, and 87-5 were determined through a pump test. In addition, the pump test was utilized to determine a potential location for a treatment system extraction well.

Pump tests conducted on monitoring well 87-5, previously installed with the intention of use as a purge well, indicated that the yield of the monitoring well was too low to use as a purge well.

Pump tests conducted on monitoring well 86-2 indicated that the yield was sufficient. In addition, monitoring well 86-2 is located near the source area. Based on pumping tests, the capture zone for monitoring well 86-2 is approximately 20,000 square feet. Based on this calculation, it would take 80 days to remove one capture zone of water.

Monitoring wells 87-1 and 87-4 are located to the east and west of the source area and are screened across the vadose zone for use with the SVE system, as well as screening in the saturated zone. Based on the configuration of these wells, the use of these wells for purging purposes would not be optimal. In addition, the yield of the wells was determined during pumping tests to be too low to use as a purge well.

Based on the results of the Phase IV-B HI, EDI provided the following conclusions:

- Monitoring well 87-5 cannot be utilized as a purge well due to low yield;
- Monitoring well 86-2 should be utilized as a purge well due to sufficient yield; and
- The zone of influence of monitoring well 86-2 includes a large portion of the source area.

Based on the results of the Phase IV-B HI, EDI provided the following recommendations:

- Installation of a shallow well pump in monitoring well 86-2 to recover impacted groundwater;
- Treatment of groundwater either through steam stripping or aqueous carbon adsorption;
- Discharge of the treated water to the sanitary or storm sewer;
- Evaluation of the performance of the groundwater recovery system during the first month of operation to determine the effectiveness of the system and estimate groundwater TCE concentration trends; and
- Installation of two additional shallow monitoring wells in the source area if the cone of depression for monitoring well 86-2 cannot be determined.

Phase IV-C HI, EDI, July 1988

A Phase IV-C HI was conducted at the Site by EDI and was summarized in a report dated July 1988.

The purpose of the Phase IV-C HI was to define the horizontal and vertical extent of the off-Site contamination for TCE and the applicable degradation products, determine the groundwater flow direction and velocity in the plume area, and determine the relationship between Cole Drain and the aquifer.

A soil gas survey was conducted within the area bounded by 36th Street to the south, Buchanan Avenue to the east, US 131 to the west, and 32nd Street to the north to determine potential soil boring locations. Three lines of sampling were conducted near the north Site boundary, northwest of the Site, and north of the Site. Soil gas sampling was terminated after the completion of the three lines of sampling, due to the fact that TCE was not detected in any of the samples collected from those lines.

Nine soil borings, 87-10, 87-11, 87-12, 87-13, 88-1, 88-2, 88-2D, 88-3, and 88-4 were installed in the area north of the Site, including five soil borings installed along the west side of Cole Drain. Soil borings 88-1, 88-2, 88-2D, 88-3, and 88-4 were installed in the right-of-way on Consumers Energy property. Groundwater samples were collected during the installation of all soil borings from temporary wells at 10 foot intervals. A total of 43 groundwater samples were collected for analysis for trans-1,2-DCE, TCE, and vinyl chloride (VC). TCE was detected in the groundwater samples collected from monitoring wells 87-10 (at 19.5 to 22.5 feet bgs, 29 to 32 feet bgs, 38.5 to 41.5 feet bgs, 48 to 51 feet bgs, and 58 to 61 feet bgs), 87-11 (at 36.4 to 39.4 feet bgs and 48 to 51 feet bgs), and 87-13 (at 20 to 23 feet bgs, 30 to 33 feet bgs, and 40 to 43 feet bgs) above the Part 201 GRCC. In addition, TCE was detected in the groundwater sample collected from monitoring well 87-11 (at 28 to 31 feet bgs) above the Part 201 GRCC.

Seven monitoring wells, 87-10, 87-11, 87-13, 88-1, 88-2, 88-3, and 88-4, were installed at the Site. Monitoring wells 88-1, 88-2, 88-3, and 88-4 were installed in the right-of-way on Consumers Energy property. Groundwater samples were collected from the new monitoring wells and from monitoring wells for 86-3, 87-8, and 87-9 for analysis for volatiles. TCE was detected in the groundwater samples collected from monitoring wells 86-3, 87-8, 87-10, and 87-13 above the Part 201 GRCC. In addition, TCE was detected in the groundwater sample collected from 87-11 above the Part 201 GRCC.

Three surface water samples were collected from the Cole Drain. Surface water samples were analyzed for TCE. TCE was not detected in any of the surface water samples above the Part 201 GRCC.

Groundwater flow direction was determined by EDI to be towards the northeast west of Cole Drain and towards the northwest to the east of the Cole Drain (i.e., towards the Cole Drain).

Based on the results of the Phase IV-C HI, EDI provided the following conclusions beyond those identified in the Phase IV-B HI:

- The plume flows northwest upon exiting the Site with a final discharge into Cole Drain near monitoring well 87-11;
- The plume does not flow past the Cole Drain to the west and groundwater converges toward the Cole Drain;
- TCE levels identified in Cole Drain vary;

- The relatively low levels of TCE in the Cole Drain samples is indicative that TCE levels are being diluted upon entering the Drain;
- Under the assumption that the plume developed 9 years ago, the plume would have reached the Cole Drain; and
- Approximately 35 to 40 gallons per minute of groundwater with low levels of TCE is estimated to be migrating north of the Site property line.

TCE RMP, EDI, March 1989

A TCE RMP report was prepared by EDI dated March 1989.

The RMP includes the scope for groundwater monitoring and surface water sampling from Cole Drain.

The groundwater monitoring includes hydraulic monitoring in 22 monitoring wells and 2 purge wells. Hydraulic monitoring will be conducted on a quarterly basis. Groundwater samples were identified to be collected on a monthly basis from 85-7, 86-3, 87-1, 87-2, 87-4, 87-5, 87-8, 87-9, 87-10, 87-11, and 87-13, and the purge well discharge for analysis for TCE, cis-1,2-DCE, and trans-1,2-DCE. Groundwater samples from monitoring wells 86-3, 87-8, 87-9, 87-10, 87-11, and 87-13 and the purge well discharge will also be analyzed for 1,1-DCE and VC during the fourth quarter. Beginning in 1989, the purge well discharge was to be monitored monthly. Purge well 86-2 and the monitoring well at X-10 will be analyzed on a monthly basis for TCE.

In addition to the groundwater monitoring, surface water monitoring will be conducted in the Cole Drain. Sampling would be conducted at three locations on a quarterly basis for analysis for TCE, cis-1,2-DCE, and trans-1,2-DCE. In addition, water levels will be collected on a monthly basis from the Cole Drain.

Soil vapor recovery monitoring will be conducted at the Site. Air flow readings will be collected on a monthly basis to verify that the vacuum well is steady. Air samples will be collected on a monthly basis for TCE. In addition, pressure readings and the air flow rate will be determined each month. Soil vapor samples will be collected from the influent and effluent for analysis for TCE on a quarterly basis.

Quarterly results will be summarized in a report for submittal to the MDNR within 60 days after sampling events.

Available Information on 1,1,1-TCA, EDI, September 6, 1989

A letter regarding available information on 1,1,1-TCA detected in historical water samples collected at the Site prepared by EDI and dated September 6, 1989. The letter appeared to have been prompted by then recent (June 1989) detections of 1,1,1-TCA in samples collected from temporary wells set at Column X-10 between 40 and 63 feet bgs.

Based on review of the report, 1,1,1-TCA was also detected above method detection limits in groundwater samples collected from 85-4 and 85-5B in 1985; 85-3, 85-7, 86-2, 86-3, dewatering wells BH-1 through BH-4, and the conveyor drain sump in 1986; and in 86-3 and the retention pond inlet and outlet in 1987.

The source of 1,1,1-TCA was unknown and could have been from an off-Site source.

TCE Emission Testing, EDI, September 21, 1989

A TCE Emission Testing (ET) report was prepared by EDI dated September 21, 1989. The ET report was prepared for the SVE system exhaust.

The purpose of the ET was to determine compliance with the conditions set forth on the MDNR PTI No. 92-88.

Based on the results of the TCE emission testing, TCE was non-detect at a detection limit of 0.0017 mg/m³ for the three samples collected, which is below the permitted limit of 16.0 mg/m³.

Off-Site Groundwater Purge Evaluation, WW Engineering & Science, April 1993

An Off-Site Groundwater Purge Evaluation (Evaluation) was prepared by WW Engineering & Science dated April 1993.

A combination system was installed in 1989 to remediate the chlorinated compounds plume at the Site. The remediation system consisted of a SVE system for the removal of vapors from the vadose zone and two purge groundwater wells for removal of contaminated groundwater. Both systems discharged to two activated carbon treatment systems consisting of two carbon tanks per system. The treated air was discharged to the outdoors via a roof stack and the treated groundwater was discharged to the on-Site stormwater retention pond and eventually to Cole Drain. The plume discharged to Cole Drain beyond the treatment system; however, the drain had been monitored during operations and maintenance activities and no adverse impact to the water quality of the drain had been identified.

The purpose of the Evaluation was to determine the capture and effectiveness of an off-Site treatment purge well. Three scenarios were assessed during the Evaluation: the purging scenario in effect at the time of the report, an additional purging well near Cole Drain at C-3 and monitoring well 87-11 at a pumping rate of 10 gallons per minute (gpm) and at 40 gpm.

A contaminant transport model and a groundwater flow model were utilized to determine the simulated Site-specific conditions. Based on the results of the modeling, scenario outputs were computed for December 1997, December 2002, and December 2007.

Based on the results of the Evaluation, WW Engineering & Science provided the following conclusions:

- The purge well in the north parking lot (PW-DISCH) was preventing the off-Site migration of TCE from beyond the Site boundary. Plume progress beyond PW-DISCH could not be identified from historic data because of the off-Site monitoring well configuration;
- An off-Site purge well would reduce the TCE contamination in the vicinity of monitoring well 87-11; however, modeling had indicated that the additional purge well would not significantly decrease the duration of the clean up;
- Modeling indicated that off-Site purging at 40 gpm had the potential for the contaminants to bypass PW-DISCH;
- Between 7.5 and 11 pounds of contaminant mass was modeled to be collected by the additional purge well;
- Modeling indicated that the installation of the additional purge well would not increase the clean up rate and that the TCE plume in the off-Site area would be remediated within a reasonable time frame (approximately 10 to 15 years);
- Cost analysis indicated that the costs associated with the additional well would be approximately \$50,000 per pound of TCE; and
- Access would have to be obtained from off-Site property owners.

Addendum to the May 1993 Geotechnical Report, WW Engineering, June 17, 1993

An addendum to a May 1993 Geotechnical Report for the investigation of the proposed 13-Bay area press pit was prepared by WW Engineering & Science and dated June 17, 1993. The May 1993 report was not available for review by CRA.

According to the addendum report, soil samples were collected in the area of 13-Bay for characterization purposes. A total of five soil borings (SB-1 through SB-5) were advanced in the central portion of the plant between C-30/32 and L-30/32. Excavation activities were planned in the 13-Bay area for a proposed press pit. The characterization data was collected for soil disposal purposes.

According to the addendum report, a composite soil sample was collected from boring locations SB-1 and SB-2. TCE was reportedly detected in the sample at a concentration of 120 ppb; however, it was not detected in the TCLP leachate. Barium, copper, and zinc were detected in the TCLP leachate from the composite soil sample below regulatory limits for disposal.

The report further discussed PID readings from soil samples collected from all five soil borings advanced during the investigation. PID readings were summarized in a table included in the addendum report. According to the table, the highest reading (2,000 ppm) was detected in the sample collected between 30 and 31.5 feet bgs at SB-1.

17-Bay Soil and Groundwater Sampling, Earth Tech, October 27, 1998

Soil and groundwater samples were collected and analyzed in the 17-Bay area of the plant (C-38 to M-41) for characterization purposes. Excavation activities were planned in this area to set a foundation for new equipment.

According to the report, 14 soil borings (17-1 through 17-14) were advanced between August 3 and 12, 1998. A composite soil sample was collected from each boring and analyzed for inorganic parameters, VOCs, PCBs, SVOCs, metals, and pesticides. Four of the soil samples (17-1, 17-3, 17-12, and 17-14) were also analyzed for hazardous waste characterization parameters, TCLP VOCs, TCLP SVOCs, TCLP metals, ignitability, corrosivity, and reactivity. Additionally, groundwater samples were collected from two of the soil borings (17-5 and 17-10A) and analyzed for VOCs.

Analytical data were compared to GM Inert Guideline Criteria and Part 201 GRCC. Fluoride exceeded Part 201 20X Groundwater Criteria and GM Criteria in the soil samples collected from nine of the boring locations. Furthermore, selenium also exceeded the GM Criteria and the Part 201 State Default Background Level (SDBL) in soil from eight of the boring locations.

Acetone, TCE, ethylbenzene, xylenes, bis(2-ethyl hexyl) phthalate, chrysene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno (1,2,3-cd)pyrene, phenanthrene, pyrene, aluminum, arsenic, barium, calcium, chromium, cobalt, copper, iron, lead, manganese, nickel, silver, vanadium, and zinc were also detected in select soil samples above laboratory method detection limits but below Part 201 GRCC. TCE, bis(2-ethyl hexyl) phthalate, phenanthrene, fluoranthene, chrysene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno (1,2,3-cd) pyrene, aluminium, arsenic, copper, iron, lead, manganese, nickel, silver, and zinc were detected in one or more soil samples above the GM Criteria.

Cis-1,2-DCE and TCE were detected in the groundwater sample collected from the temporary well set at 17-5 above laboratory method detection limits, with TCE detected at a concentration above the Part 201 GRCC. Toluene was detected above laboratory method detection limits, but below the Part 201 GRCC in the groundwater sample collected from 17-10A.

According to the report, the four samples collected for waste characterization analysis did not display any characteristics of hazardous waste; therefore, excavated soils were deemed suitable for disposal at another GM Site or in a Type II landfill.

Abandonment of Monitoring Well X-10, GMC, February 23, 1998

Correspondence regarding the abandonment of monitoring well X-10 was prepared by GMC and submitted to the DNRE on February 23, 1998.

Monitoring well X-10 was installed at the Site in June 1989 with a screened interval from 35 to 45 feet bgs as part of the TCE remediation program implemented to address

concentrations of VOCs in groundwater at the Site above the Part 201 GRCC. The location for X-10 was selected as a point between the source area at purge well 86-2 and the purge well in the northern parking lot, PW-DISCH. TCE was not detected in groundwater samples collected from X-10; however, 1,1,1-TCA was detected at concentrations above the Part 201 GRCC. Subsequent monitoring in this location identified a reduced concentration trend of 1,1,1-TCA in this well, and both 1,1,1-TCA and TCE were near non-detect in this well at the time of abandonment.

The well was abandoned in place by cutting the casing off four feet below the bottom of the press pit, grouting the casing, and filling the remainder of the annulus with natural soils.

Notice of Migration of Contamination, GMC, June 9, 1999

A Notice of Migration of Contamination (1999 Notice) was submitted to the DNRE by GMC on June 9, 1999. The 1999 Notice was submitted for exceedances of Part 201 GRCC in groundwater of TCE and cis-1,2-DCE.

20-Bay Soil and Groundwater Sampling, Earth Tech, March 3, 1999

Soil and groundwater samples were collected in the location of a press scrap conveyor trench in the 20-Bay area of the plant (F-44 to I-44) for characterization purposes. Excavation and dewatering activities were planned in this area.

According to the report, 3 soil borings (SB-1 through SB-3) were advanced on February 2 and 3, 1999. Two of the soil borings (SB-1 and SB-3) were converted to temporary monitoring wells (TW-1 and TW-2). A composite soil sample was collected from each boring and analyzed for PCBs and hazardous waste characterization parameters, TCLP VOCs, TCLP SVOCs, TCLP metals, ignitability, corrosivity, and reactivity. The groundwater samples were analyzed for VOCs.

Based on review of the report, TCE was detected in the groundwater sample collected from TW-1 above laboratory method detection limits, but below Part 201 GRCC. None of the other parameters were detected above laboratory method detection limits. Based on the analytical data for groundwater, it was concluded that output from the de-watering system was likely to meet City of Wyoming discharge standards for TCE.

Based on the waste characterization analysis of the soil samples collected, the soil in the excavation area was deemed suitable for disposal in a Type II landfill. No PCBs were detected in soil above laboratory method detection limits.

Documentation of Compliance with Section 20107a, CRA, January 2002

Documentation of Compliance with Section 20107a of Part 201 of Michigan Act 451 Pursuant to Administrative Rule 1003(4)(a) was prepared by CRA and dated January 2002.

The Site was listed on the Part 201 Contaminated Sites List based on known VOC and SVOC impacted soil and/or groundwater at the Site at levels above Part 201 GRCC. As such, the Site was deemed a “facility” pursuant to Act 451, Part 201.

The report provided a review of potentially pertinent exposure pathways for the Site. According to the report, all potential pathways for the Site were eliminated with the exception of ‘groundwater contamination risk for indoor air hazards’ and ‘groundwater contamination risk from dermal exposure.’

These exposure pathways were identified upon re-evaluation of available historical environmental investigation documentation for the Site. Based on the minimal number of SVOCs detected at elevated concentrations in the groundwater from limited sized area, it was not expected that the minimal number of SVOCs were present at unacceptable levels. In addition, it was believed that the concentrations of SVOCs likely decreased over time to acceptable levels through natural attenuation processes.

Nevertheless, response activities to eliminate potential exposure pathways were proposed. Response activities included conducting groundwater sampling of existing monitoring wells in the vicinity of the historical contamination to evaluate current risk levels. These response activities were to be conducted by GM to eliminate potential unacceptable exposure to hazardous substances and/or exacerbation of existing identified contamination.

Evaluation of Groundwater and SVE Treatment Systems, CRA, August 13, 2002

CRA prepared a memorandum regarding Evaluation of Groundwater and Soil Vapor Extraction Treatment Systems dated August 13, 2002.

The purpose of the memorandum was to provide the results of a preliminary evaluation of the groundwater extraction (GWE) and SVE treatment systems at the Site to address the presence of chlorinated compounds in Site soil and groundwater. The evaluation was undertaken by review of existing information and analytical data for the chlorinated compounds, primarily TCE, to meet the following objectives:

1. Establish historical analytical data trends;
2. Evaluate historical performance to verify the adequacy of the treatment systems’ design;
3. Identify whether the existing systems should be maintained, abandoned or upgraded and recommend improvements to current systems, if applicable; and
4. Discuss potential alternatives.

According to the report, analytical data trends were evaluated for TCE in the SVE system influent, in the GWE system pumping wells, and in the groundwater monitoring wells located throughout the Site and downgradient of the Site. Based on review of the

available current and historical data for the Site at the time of the evaluation, the following observations were reported:

- SVE system data indicated that TCE concentrations in the SVE influent had consistently decreased since initial operation of the SVE system and that SVE influent concentrations remained steady at very low concentrations for approximately 10 years;
- SVE historical data indicated that the SVE system had removed and treated significant TCE mass from soil vapor, however, the SVE system had not been capturing significant TCE mass for approximately 10 years due to having reached steady state as is typical of such systems;
- TCE concentration trends in groundwater collected at the GWE system influent and at groundwater quality monitoring wells indicated that TCE concentrations have steadily decreased or remained stable since the initiation of GWE and treatment at the Site;
- TCE concentrations in the GWE influent streams remained stable and relatively low for approximately 5 to 8 years;
- TCE and 1,2-DCE concentrations in downgradient monitoring wells generally decreased along the groundwater flow path, with the exception of high TCE concentrations detected in 87-10 and 87-11;
- PCE and 1,1,1-TCA had historically been detected in Site groundwater and may have be Site-related contaminants; however, there was insufficient monitoring data to determine spatial or temporal concentration trends for PCE and 1,1,1-TCA; and
- Groundwater quality data indicated that natural attenuation processes, including biodegradation, could be contributing significantly to the attenuation of TCE in Site groundwater.

Based on these findings, the following recommendations were made:

- Based on the long-term evidence of steady-state function and very low TCE concentrations in the SVE system influent, it is appropriate to consider decommissioning of the SVE system at this time;
- Based on the steady-state function of the GWE system and relatively low concentrations of TCE in the GWE system influent it is recommended that alternatives to the GWE system be considered, such as monitored natural attenuation and/or enhanced in situ remediation, including bioremediation;
- It is recommended that the source, nature and extent of PCE and 1,1,1-TCA previously detected in Site groundwater be investigated;

- It is recommended that the next groundwater sampling event include analysis of VOCs and natural attenuation parameters including PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, vinyl chloride, 1,1,1-TCA, 1,1-DCA, chloroethane, ethene, ethane, dissolved oxygen, oxidation-reduction potential, methane, nitrate, sulfate and dissolved iron;
- It is recommended that the GWE system continue to operate pending initial evaluation of remedial alternatives because there is some uncertainty regarding adequate source control at the Site; and
- It is further recommended that an additional groundwater monitoring well be installed directly downgradient and near the PW well so that a test can be conducted to evaluate the effects of decommissioning of the GWE system on groundwater quality.

Monitoring Well Network Evaluation, CRA, August 13, 2002

CRA prepared a memorandum summarizing a Monitoring Well Network Evaluation dated August 13, 2002.

The purpose of the memorandum was to provide the results of a preliminary evaluation of the monitoring well network at the Site and to provide recommendations for improvements to the monitoring well system and groundwater monitoring plan.

CRA obtained and reviewed available historical information regarding the monitoring well network at the Site. The information was evaluated for completeness, the appropriateness of well and screen placement, and trends in the concentrations of chlorinated compounds in groundwater, particularly TCE and 1,2-DCE, obtained from analytical result for groundwater samples collected from individual wells. Specifically, monitoring well/soil boring construction logs, analytical results for soil, groundwater, and soil gas samples, and static water level data were reviewed during this evaluation.

Based on a review of the report, the following conclusions were made:

- Logs for 87-6, 87-7, and 93-1 were not available. Based on available information, it was believed that no monitoring wells identified as 87-6 and 87-7 were ever installed at the Site and that a log was not completed for 93-1 based on the installation technique utilized.
- Wells are screened in very fine to very coarse sand. No correlation between concentrations detected and geologic material around the screen was observed.
- The well screens were reportedly stainless steel, whereas the well casings were constructed from galvanized steel. This may be an issue for the measurement of dissolved iron from these wells if a natural attenuation remedy is proposed in the future.

- The screens of the 85-X series wells straddled the water table, and were deemed valuable for hydraulic investigations or for monitoring floating free product. However, these monitoring wells were not optimal for the monitoring of chlorinated compounds.
- A well depth survey was undertaken to assess the then current condition of the wells and their continued suitability as monitoring locations. It was determined that the depths of most wells were consistent with the depths on the well logs, with the exception of 86-1 and 87-10, which were approximately 5 feet above their listed depths. It is likely that the well logs incorrectly list the screen depths of these wells.
- The source area of chlorinated compound contamination had not been adequately defined. TCE, PCE and 1,1,1-TCA concentrations had been detected upgradient and cross-gradient from the identified source at Column T-27.
- The source of free product near Column A-15 and its nature and extent had not been fully defined.
- The downgradient edge of the chlorinated compound groundwater plume had not been fully delineated to applicable Part 201 GRCC.
- Based on the above, the monitoring well network was deemed inadequate to properly determine groundwater flow at the Site.

Based on these conclusions, CRA made the following recommendations:

- The depths of the well screens at 86-1 and 87-10 should be determined, and the measured depths should be verified. If the well screens at these locations were obstructed and redevelopment was not possible, it was recommended that the wells be abandoned.
- Three additional wells should be installed upgradient and cross-gradient from the Column T-27 area to investigate the chlorinated compound concentrations upgradient and cross-gradient of the Column T-27 area.
- It was determined that a background well was required for a proper evaluation of potential use of natural attenuation as a remedial strategy. The upgradient source investigation wells could be used for this purpose if no other chlorinated compounds were detected at these locations.
- The source of free product in the vicinity of Column A-15 and the nature and extent of this free product had to be determined.
- Three additional wells should be installed along the downgradient edge of the plume. These wells would not only allow for the better delineation of groundwater

contamination at the Site, but would also provide valuable hydrologic data regarding the groundwater flow regime.

- It was recommended that the next groundwater sampling event include analysis of the following group of VOCs: PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, vinyl chloride, 1,1,1-TCA, 1,1-DCA, and chloroethane as well as the following natural attenuation indicator parameters: ethene, ethane, dissolved oxygen, oxidation-reduction potential, methane, nitrate, sulfate and dissolved iron.

4-Bay and 5-Bay Press Pit Excavation, August - November 2002

Based on Site records reviewed, an unknown number of presses were removed from Bays 4 and 5 in 2002. Some of the presses were replaced or relocated elsewhere in the Site and others were sold or disposed off-Site. According to analytical data available for review in Site files, various oil, floor block, wipe, concrete, and soil samples were collected in association with press removal and/or pit excavation between August and November 2002.

Seven floor block samples were collected from the 4-Bay and 5-Bay areas on August 14, 2002. The sample locations were identified as Col-J7, Col-K6, Col-K10, Col-L10, Col-N13, Col-O6, and Misc. 6. The samples were analyzed for PCBs, metals, TCLP VOCs, and TCLP SVOCs. According to analytical results, barium, chromium, copper, lead, and zinc were detected above laboratory method detection limits in all of the samples with one exception; copper was not detected above laboratory method detection limits in the floor block sample collected from Col-O6. Aroclor-1254 was detected above laboratory method detection limits in the samples collected from Col-K10 (7.5 mg/kg), Col-L-10(9.0 mg/kg), and Col-J7 (1.5 mg/kg), and TCLP cresol was detected above laboratory method detection limits in the samples collected from Col-L10 and Col-J7.

Three soil core samples were collected from the 4-Bay and 5-Bay area on August 21, 2002 from the following locations; J10/K10, L10/K10 Walkway, and L10/K10 Pit. Samples were analyzed for PCBs, metals, select VOCs, 1,2-DCA, TCLP VOCs, TCLP SVOCs, and TCLP metals. One composite concrete sample was also collected and analyzed for PCBs, TCLP VOCs, TCLP SVOCs, and TCLP metals. Chromium, copper, lead, and zinc were detected above method detection limits in all three soil samples collected, arsenic was detected above method detection limits in the L10/K10 Walkway sample, and cadmium was detected above method detection limits in the J10/K10 sample. TCLP barium and TCLP lead were detected above method detection limits in all of the soil samples collected. TCLP copper and TCLP zinc were detected in the J10/K10 sample and TCLP zinc was also detected in the L10/K10 Walkway sample. TCLP barium was detected above laboratory method detection limits in the composite concrete sample. None of the other analyzed constituents were detected above laboratory method detection limits in the samples collected.

One additional soil sample (4&5 Bay Soil) was collected on August 26, 2002. The sample was analyzed for PCBs, metals, select VOCs, TCLP VOCs, TCLP SVOCs, and

TCLP metals. Arsenic, copper, lead, zinc, TCLP barium, and TCLP zinc were detected in the soil sample above laboratory method detection limits.

Six wipe samples were collected from Press C-6 in September 2002, which according to the equipment decommissioning checklist dated September 24, 2002, was drained, cleaned, and removed for off-Site disposal. Based on analytical data reviewed, the wipe samples were analyzed for PCBs. No PCBs were detected above laboratory method detection limits. According to the checklist, not all hydraulic reservoirs were tested for PCBs.

Eight wipe samples were collected from Press C-4 in October 2002, which according to the equipment decommissioning checklist dated December 9, 2002, was drained, cleaned, and removed for off-Site disposal. Based on analytical data reviewed, the wipe samples were analyzed for PCBs. No PCBs were detected above laboratory method detection limits. According to the checklist, all hydraulic reservoirs were tested for PCBs.

Eight wipe samples were collected from Press B-6 in September 2002, which according to the equipment decommissioning checklist dated September 13, 2002, was drained, cleaned, and removed for off-Site disposal. Based on analytical data reviewed, the wipe samples were analyzed for PCBs. No PCBs were detected above laboratory method detection limits. According to the checklist not all hydraulic reservoirs were tested for PCBs; however, all PCB containing items were removed.

Eight wipe samples were collected from Press A-6 in September 2002, which according to the equipment decommissioning checklist dated September 24, 2002, was drained, cleaned, and removed for off-Site disposal. Based on analytical data reviewed, the wipe samples were analyzed for PCBs. No PCBs were detected above laboratory method detection limits. According to the checklist not all hydraulic reservoirs were tested for PCBs.

Eight wipe samples were collected from press D-6 in September 2002, which according to the equipment decommissioning checklist dated October 1, 2002, was drained, cleaned, and removed for off-Site disposal. Based on analytical data reviewed, the wipe samples were analyzed for PCBs. No PCBs were detected above laboratory method detection limits. According to the checklist not all hydraulic reservoirs were tested for PCBs.

Eight wipe samples were collected from Press D-5 in September 2002, which according to the equipment decommissioning checklist dated October 4, 2002, was drained, cleaned, and removed for sale. Based on analytical data reviewed, the wipe samples were analyzed for PCBs. No PCBs were detected above laboratory method detection limits. According to the checklist all hydraulic reservoirs were tested for PCBs.

Eight wipe samples were collected from each of the following presses in September 2002; Press D-2, Press D-3 and Press D-4 in September 2002. According to the equipment decommissioning checklists dated October 31, 2002, the presses were drained, cleaned, and removed for sale. Based on analytical data reviewed, the wipe samples were

analyzed for PCBs. No PCBs were detected above laboratory method detection limits. According to the checklists, all hydraulic reservoirs were tested for PCBs.

Eight wipe samples were collected from each of the following presses in October 2001; Press B-3, Press B-4, and Press B-5. According to the equipment decommissioning checklists dated October 31, 2002, the presses were drained, cleaned, and removed for sale. Based on analytical data reviewed, the wipe samples were analyzed for PCBs. No PCBs were detected above laboratory method detection limits. According to the checklists, all hydraulic reservoirs were tested for PCBs.

Eight wipe samples were collected from each of the following presses in October 2002; Press A-1, Press A-2, Press A-3, Press A-4, and Press A-5. According to the equipment decommissioning checklists dated January 27, 2003, the presses were drained, cleaned, and removed for disposal. The checklists also noted that all hydraulic reservoirs were tested for PCBs. Based on analytical data reviewed, the wipe samples were analyzed for PCBs. Aroclor 1254 was detected above laboratory method detection limits in two wipe samples collected from A-1, one wipe sample collected from A-2, and one wipe sample collected from A-3.

Based on review of analytical data in Site files, six oil samples were collected from presses removed from the Site for sale (B-3, B-4, D-2, D-3, D-4, and D-5). The oil samples were analyzed for PCBs and no PCBs were detected above method detection limits.

Historical Documentation Review Summary, CRA, December 23, 2002

A Historical Documentation Review Summary was prepared by CRA and provided in correspondence dated December 23, 2002. The purpose of the Historical Documentation Review Summary was to obtain and review documentation regarding historical investigations and remedial measures conducted at the Site. The following documents were reviewed as part of the Historical Documentation Review Summary:

- HE of an Oil Leakage, EDI, December 1981;
- Water Sampling and Analysis at the Plant Construction Area, EDI, February 14, 1986;
- HI, EDI, March 1986;
- Phase II HI, EDI, June 1986;
- Phase III-A HI, EDI, March 1987;
- Phase III-B HI, EDI, July 1987;
- Phase IV-A Soil Vapor Pilot Study, EDI, August 1988;

- Phase IV-B HI, EDI, July 1988;
- Phase IV-C HI, EDI, July 1988;
- TCE RMP, EDI, March 1989;
- TCE ET Report, EDI, September 21, 1989; and
- Off-Site Groundwater Purge Evaluation, WW Engineering & Science, April 1993.

These reports are summarized above.

Additional Historical Documentation Review Summary, CRA, January 21, 2003

An Additional Historical Documentation Review Summary was prepared by CRA and summarized in a memorandum dated January 21, 2003. The purpose of the memorandum was address information presented in the Phase III-B HI relating to the collection and analysis of water samples from the Site and Cole Drain.

The Phase III-B HI was conducted at the Site by EDI Engineering and Science and was summarized in a report dated July 1987, as summarized above. One purpose of the Phase III-B HI was to determine the potential impact of the chlorinated compound plume identified during previous investigations on the water quality of the Cole Drain.

Four surface water samples were collected on January 7, 1987 at four locations along the Cole Drain. Sample C-1 was collected immediately below the retention pond outfall. Based on the extent of the plume, both at the time of the sample collection and currently, this location is located upstream of any contribution to Cole Drain by impacted groundwater from the chlorinated compound plume. Samples C-2, C-3, and C-4 were collected at various downstream locations between 36th and 28th Streets. Three additional surface water samples were collected on June 15, 1987 from the retention pond inlet, retention pond outfall, and the Cole Drain adjacent Clay Avenue outfalls. The surface water samples collected on January 7, 1987 were analyzed for TCE. The surface water samples collected on June 15, 1987 were analyzed for Priority Pollutant volatile organic compounds. It should be noted that the sample location figure provided by EDI in the Phase III-B HI was presented on a USGS quadrangle map with a large scale and did not provide exact sample locations.

TCE was identified in all of the surface water samples collected from C-1, C-2, C-3, C-4, retention pond inlet, retention pond outfall, and the upstream Clay Avenue outfalls at concentrations of 4.4 ug/L, 3.6 ug/L, 4.8 ug/L, 2.7 ug/L, 2.0 ug/L, 2.0 ug/L, and 4.0 ug/L, respectively, which are below the Part 201 Residential and Commercial Drinking Water Criteria (RDWC) of 5 ug/L and the Groundwater Surface Water Interface Criteria (GSIC) of 200 ug/L. The sample collected from the Cole Drain adjacent to the Clay Avenue Outfalls was to assess the water quality coming into the Cole Drain, which had not passed through the stormwater retention pond. PCE was identified in the upstream surface water sample collected from the Cole Drain adjacent to the Clay Avenue outfalls at a

concentration of 11 ug/L, which is above the Part 201 RDWC of 5 ug/L and below the GSIC of 45 ug/L. Additional chlorinated compounds identified in surface water samples included bromodichloromethane, which was detected in the sample collected from the pond inlet at a concentration of 3 ug/L, which is below the Part 201 RDWC and GSIC of 100 ug/L; chloroform, which was detected in the samples collected from the pond inlet and pond outfall at concentrations of 5 ug/L and 3 ug/L, respectively, which are below the Part 201 RDWC and GSIC of 100 ug/L; and 1,1,1-TCA, which was detected in the samples collected from the pond inlet and pond outfall at concentrations of 8 ug/L and 4 ug/L, which are below the Part 201 RDWC and GSIC of 200 ug/L. No other parameters were reported to be detected in the surface water samples collected in January and June 1987.

Based on the review of the information presented in the Phase III-B HI, TCE was detected at consistently low concentrations for all samples collected. Based on the TCE concentrations measured in the upstream sample and uniformly low concentrations of TCE identified downstream, it appears that the Site is not contributing significantly to levels of TCE in the Cole Drain. It should be noted that concentrations of TCE in the pond influent and outfall were approximately half of the concentrations of TCE identified in the upstream and downstream Cole Drain samples.

PCE was identified in the upstream sample location, the Clay Avenue outfalls at a concentration of 11 ug/L, which is above the Part 201 RDWC of 5 ug/L, but below the GSIC of 45 ug/L. PCE was not detected in the pond inlet or outfall samples at concentrations above the laboratory detection limit of 1 ug/L. The downstream surface water samples were not analyzed for PCE. Additional chlorinated compounds identified in the samples collected from the pond inlet and outfall include bromodichloromethane, chloroform, and 1,1,1-TCA. These compounds were not detected in the upstream sample at a concentration above the laboratory detection limit of 1 ug/L. The downstream surface water samples were not analyzed for the additional chlorinated compounds. The variance in detected compounds indicates an upstream source for the PCE contamination.

Based on the information reviewed in the Phase III-B HI, no parameters were detected at concentrations above the applicable surface water criteria, the Part 201 GSIC.

CRA recommended that future evaluation of Site impacts relative to Cole Drain that involve sampling and analysis of surface water samples from Cole Drain, should include sampling and analysis at points in the Cole Drain upstream from the retention pond outfall.

Notice of Migration of Contamination, GMC, September 19, 2003

A Notice of Migration of Contamination (2003 Notice) was submitted to the DNRE by GMC on September 19, 2003. The 2003 Notice was submitted for exceedances of Part 201 GRCC in groundwater of TCE and VC.

Data Report, CRA, February 2004

A Data Report for activities conducted between March and December 2003 was prepared by CRA and dated February 2004.

The purpose of the environmental investigation was to outline the activities necessary to further evaluate and delineate chlorinated compound impacts to groundwater above the Part 201 GRCC; to further define hydrogeologic conditions at the Site; to evaluate the extent and nature of the LNAPL identified at the Site; to evaluate potential groundwater and indoor air issues associated with the identified LNAPL and potentially impacted groundwater therefrom; and evaluate the current effectiveness of the groundwater extraction system.

Investigative activities (as presented in the November 2002 Work Plan submitted to the DNRE) included the installation of soil borings and monitoring wells, the collection and analysis of discrete groundwater samples utilizing a hydropunch method, the collection of groundwater samples from monitoring wells and the collection and analysis of a LNAPL sample. In addition, the investigation included conducting a LNAPL recovery test.

A total of seven soil borings, HP1-03 through HP7-03, were advanced at the Site in June 2003. Soil samples collected during the environmental investigation were examined by a CRA geologist for odor and visual impact and screened with a PID. No soil samples above the water table were observed to exhibit contamination; therefore, no soil samples were collected and submitted for laboratory analysis.

To evaluate the potential extent of LNAPL, a recovery test was conducted. Measurements of LNAPL and groundwater levels were collected from monitoring wells 85-3, 85-5b, and 86-1, which were monitored on a monthly, quarterly, or annual basis in the area of the identified LNAPL, utilizing an oil-water interface probe. Approximately 0.02 feet of LNAPL was observed in 85-3. LNAPL was not observed in other wells during this investigation; however, a sheen was observed in wells 85-5B, 85-6 and 86-1. Due to the insufficient LNAPL volume identified in monitoring well 85-3, a sample was not collected.

The vertical and horizontal extent of contamination in groundwater was investigated during the environmental investigation through the collection and analysis of 68 groundwater samples from seven soil borings, HP1-03 through HP7-03; twenty monitoring wells; MW1-03 through MW7-03, 85-3, 87-8, 87-9, 87-10, 87-11, 93-1, 87-13, 87-4, 87-5, 87-2, 87-1, 86-3, and 85-7; and two groundwater extraction wells; 86-2 and PWDISCH. Discrete groundwater samples were collected from soil borings HP1-03 through HP7-03 utilizing a hydropunch for vertical aquifer sampling (VAS). After completion of the VAS and receipt of analytical data, a second soil boring was advanced adjacent to the VAS soil boring, and a monitoring well was constructed, based on the analytical results from the VAS.

All groundwater samples were analyzed for TCL VOCs. In addition, all wells were sampled for select natural attenuation parameters (alkalinity, chloride, hardness, nitrate,

nitrite, sulfate, sulfide, total organic carbon (TOC), calcium, magnesium, manganese, ethane, ethene, and methane) and well 85-3 was sampled for TCL SVOCs.

Bis(2-ethylhexyl) phthalate was detected in the groundwater sample collected from 85-3 above the Part 201 GRCC. No other TCL SVOCs were detected in the groundwater samples collected during the investigation above the Part 201 GRCC.

PCE was detected in groundwater samples collected from MW2-03 and MW1-03 above the Part 201 GRCC. PCE was also detected in groundwater samples collected from HP2-03 and HP1-03 above laboratory method detection limits. TCE was detected in groundwater samples collected from MW5-03, 87-10, 87-11, 87-1, and 87-2 above the Part 201 GRCC. TCE was also detected in groundwater samples collected from HP5-03 above laboratory method detection limits. VC was detected in the groundwater sample collected from 87-11, 87-5, and 87-1 above the Part 201 GRCC. No other TCL VOCs were detected in the groundwater samples collected during the investigation above the Part 201 GRCC.

Based upon the distribution of contaminant concentrations identified across the Site, and the results of the natural attenuation parameters, there was an indication that natural attenuation was occurring at the Site. There appeared to be two distinct areas where natural attenuation was occurring; one located just north of the extraction well 86-2, and one located downgradient of the second recovery well PW-DISCH. Both areas identified contained detectable concentrations of 1,1-DCE, 1,1-DCA, cis-1,2-DCE, and VC (daughter products of PCE and TCE). Field parameters also provided indirect evidence of natural attenuation with low levels of dissolved oxygen and negative oxidation-reduction potential in both areas noted above. Groundwater from all sampled monitoring wells was also submitted for laboratory analysis of natural attenuation indicator parameters (ethene, ethane, methane, nitrogen, and sulfate). The analytical results for these parameters indicated that natural attenuation was occurring in the two areas noted above (i.e., methane detections and reduced concentrations of nitrogen and sulfate).

According to the report, a FOIA review was also conducted in April 2003, to identify any potential upgradient sources of contamination, which may be migrating onto the Site. Based on the review of available information obtained from the FOIA request, the Conical Tool property, assumed to be located hydraulically upgradient from the Site, was identified as a potential source of TCE. TCE was identified in soil and groundwater at concentrations above the Part 201 GRCC. PCE was also detected in groundwater above the Part 201 GRCC from the Conical Tool site. However, it was not clear from the information reviewed whether all soil samples were analyzed for PCE. Insufficient information from the DNRE files was present to determine a possible source location for PCE at the Conical Tool site. Additionally, the vertical extents of TCE and PCE in groundwater were not determined, based on the information reviewed. Based on environmental investigation reports reviewed, excavation was conducted in two areas at the Conical Tool site. Neither of these excavations were conducted where the TCE was detected in soil above the Part 201 GRCC.

According to the report, based on the results of the environmental investigation, additional investigation of LNAPL as well as TCE and associated chlorinated compounds in groundwater at the Site was warranted.

2004 Data Report, CRA, December 2004

A Data Report summarizing environmental investigations conducted at the Site in 2004 was prepared by CRA and dated December 2004.

The purpose of the environmental investigation was to further evaluate and delineate chlorinated compound impacts to groundwater above the Part 201 GRCC, to further define hydrogeologic conditions at the Site, to evaluate the current effectiveness of the groundwater extraction system, to evaluate the effectiveness of select monitoring wells for long term monitoring, and to determine the soil conditions in the area of the SVE system.

According to the report, the investigations included the installation of soil borings and monitoring wells, the collection and analysis of discrete groundwater samples utilizing a hydropunch method, the collection and analysis of groundwater samples from monitoring wells, the collection and analysis of soil samples in the area of the SVE system, and the abandonment of the SVE extraction well and associated pressure wells.

Five soil borings, SB1-04 through SB5-04, were advanced at the Site in July 2004 and a total of 55 soil samples were collected to define then current soil conditions in the historic VOC release area. The five soil borings, SB1-04 through SB5-04, were installed in the area surrounding air purge well 87-3, associated with the former SVE treatment system, to vertically and horizontally determine the then current concentrations of chlorinated compounds in the vadose, or unsaturated zone. All soil samples were analyzed for TCL VOCs.

A total of nine soil borings, HP8-04 through HP16-04, were advanced during the implementation of the investigation for vertical aquifer profiling and monitoring well placement. Six of the borings, HP8-04 through HP13-04, were installed downgradient of the former degreaser location to further delineate the extent of the chlorinated compound contamination. One soil boring, HP14-04, was installed to the north of monitoring well 87-5 to further evaluate vinyl chloride contamination in groundwater. Two soil borings, HP15-04 and HP16-04, were installed to the northwest and west of the plant, respectively, to further define chlorinated compound contamination in groundwater and confirm conditions relative to local surface water. VAS was conducted at each of the soil boring locations to determine the vertical extent of contamination at that location. Fifty-six discrete groundwater samples were collected from soil borings HP8-04 through HP16-04 utilizing a hydropunch for VAS. All groundwater samples were analyzed for TCL VOCs.

After completion of the VAS and receipt of analytical data, a second soil boring was advanced adjacent to the VAS soil boring, and a monitoring well was constructed, based on the analytical results from the VAS, excluding HP12-04 and HP16-04, where existing

wells were deemed adequate for the area. MW8-04 though MW11-04, and MW13-04 were installed downgradient of the former degreaser location to further delineate the extent of the chlorinated compound contamination. MW14-04 was installed to the north of monitoring well 87-5 to further evaluate vinyl chloride contamination in groundwater. MW15-04 was installed to the northwest of the plant to further define chlorinated compound contamination in groundwater and confirm conditions relative to local surface water.

The vertical and horizontal extent of contamination in groundwater was investigated during the environmental investigation through the collection and analysis of 40 groundwater samples from thirty-six monitoring wells including the existing and newly installed wells; MW1-03 through MW7-03, MW8-04 through MW11-04, MW13-04 through MW15-04, 85-1, 85-2, 85-3, 85-5B, 85-6, 85-7, 86-1, 86-3, 87-1, 87-2, 87-4, 87-5, 87-8, 87-9, 87-10, 87-11, 87-13, 88-2, 88-3, and 88-4; and two groundwater extraction wells; 86-2 and PW-DISCH, and three surface water samples from three culvert locations; C-1, C-2, and C-3. Groundwater monitoring qualified as the June/July 2004 Quarterly Groundwater Monitoring event, but was actually conducted in August 2004. All groundwater samples were analyzed for TCL VOCs. In addition wells 85-3, 85-5B, 85-6, and 86-1 were sampled for TCL SVOCs.

Based on review of the report, TCE was detected in the soil samples collected from SB1-04 (at 0 to 2 feet bgs), SB2-04 (at 0 to 2 feet bgs), SB3-04 (at 0 to 2 feet bgs), SB4-04 (at 0 to 2 feet bgs), and SB5-04 (at 0 to 2 feet bgs) at concentrations above the Part 201 GRCC and Generic Industrial Cleanup Criteria (GICC). TCE was also detected in the soil samples collected from SB2-04 (at 0 to 2 feet bgs) and SB5-04 (at 0 to 2 feet bgs) at concentrations exceeding the Part 201 GRCC and GICC. No other TCL VOCs were detected in the soil samples collected from SB1-04 through SB5-04 at concentrations above Part 201 GRCC or GICC.

Prior to drilling activities, an evaluation was conducted for the SVE system to determine if the SVE system was removing significant VOC mass from the soil. The results of the study were presented in the Data Report submitted to the DNRE on March 2, 2004 and identified that the SVE system was not removing significant mass. Subsequently, the system was shut down, under approval of the DNRE. Based on discussions with the DNRE following the aforementioned review of the system effectiveness, it was determined that additional evaluation of the current concentrations of VOCs in the vadose zone in the former source area was required for closure of this area. The soil results presented above confirmed that there was no longer a significant mass of VOCs in the vadose zone, and that the majority of the VOC mass was present in the top two feet of the soil column. No TCL VOCs were detected in the soil samples collected at concentrations above criteria for complete exposure pathways.

Based on the fact that the majority of the TCE in soil had been removed via the SVE system, it was concluded that the residual concentrations of TCE in soil appeared to be limited in extent vertically, and there were no forces acting to laterally disperse the detected residual contamination. It was recommended that a restrictive deed limiting the use of the property to industrial uses be implemented for the property.

Based on groundwater monitoring activities conducted during the investigation, it was concluded that significant TCE mass had been removed by the on-Site pump and treat system from extraction wells 86-2 and PW-DISCH, which was evident from historical high concentrations of 100,000 ug/L and 180 ug/L, respectively, to levels of 4.7 ug/L and 1.6 ug/L, respectively. The extent of VOC contamination had been delineated to Part 201 GRCC both vertically and horizontally on the Site. Based on the distance from the 87-5 location to the Cole Drain, the fact that additional wells were located between the exceedance of VC and the drain that do not exhibit concentrations above the GSI Criteria, and the fact that the belowground utility corridors in the area of 87-5 were situated above the water table, it was not considered likely that VC would reach the Cole Drain above the GSI Criteria.

An off-Site, downgradient VOC plume had been identified at the Godwin Heights Public School property (GHPS Property) north of the Site's 36th Street parking lot. VOC concentrations in the off-Site plume above Part 201 GRCC included TCE and PCE. Off-Site concentrations had not been identified above any other Part 201 GRCC. It was believed that there was a separation of the plumes associated with the release, likely because portions of the release migrated downgradient laterally prior to the installation of the pump and treat system purge well at the property boundary in the Site parking lot in 1993.

Significant TCE mass had been removed by PW-DISCH at the border of the GHPS property. However, VOC contamination off-Site had migrated outside of the PW-DISCH capture zone and, based on the distance from the monitoring wells exhibiting the concentrations of TCE and PCE above the Part 201 GRCC, the treatment system was not effective in remediating impacted groundwater from this area. The extent of contamination had been sufficiently delineated to Part 201 GRCC both vertically and horizontally. Based on the determined groundwater flow direction, from south-southeast to north-northwest and the elevation of the Cole Drain relative to the groundwater table, groundwater in the vicinity of the Cole Drain was discharging to the drain, which acted as a gaining stream. No VOCs were detected at concentrations exceeding Part 201 GSI Criteria.

Based on the above, it was recommended that the pump and treat system be turned off as of February 28, 2005, that quarterly monitoring in select wells for TCL VOCs and select natural attenuation parameters be performed for four consecutive quarters beginning in March 2005, and that remedial alternatives to address the residual contamination as part of an interim closure be evaluated.

Historically, free product had been identified on-Site in the northeast corner of the Plant. Primarily, the observations were as accumulated LNAPL in monitoring wells 85-3 and 85-5B, and as detections of SVOCs in monitoring wells 85-3, 85-5B, and 85-6. The thickness of LNAPL fluctuated from one historic observation of four inches to periodically observed sheens during monitoring events conducted in 2003-2004. SVOCs detected above the Part 201 GRCC included benzo(a)anthracene, benzo(b)fluoranthene, and bis(2-ethylhexyl)phthalate. No evidence of the presence of LNAPL as recoverable

“free product” existed at the time of the report, due to a lack of volume of product present (i.e., observed as a sheen or less than an eighth of an inch in thickness).

The extent of SVOC contamination had not yet been established as a then recent sampling showed a detection of bis(2-ethylhexyl)phthalate above the Part 201 GRCC at 85-6 (a duplicate sample at the same location was below the detection limit).

Based on the lack of consistent observations of the presence of “free product” and the analytical data for SVOCs in this area, it was recommended that one year of quarterly monitoring at the current locations be conducted to further establish the presence or absence of conditions needing further attention.

Based on the review of documents during a previous FOIA request, PCE and TCE were determined to be present in groundwater at concentrations exceeding the Part 201 GRCC at an upgradient industrial property. Based on available documentation, no other potential sources were identified upgradient of the Site during this review. This property is upgradient to the southeastern portion of the Site, where PCE was identified in groundwater above the Part 201 GRCC in three locations, MW1-03, MW2-03, and MW11-04. PCE was identified at depths below the groundwater table migrating onto the Site, which was considered consistent with concentrations that would be present downgradient of a source area/release.

The time of release, specific up-gradient/source area concentrations, and fate of PCE migrating on to the Site had not been identified. PCE was migrating to the Site in the area of MW1-03 above the Part 201 GRCC. The screened interval for MW1-03 is from 30 to 35 feet bgs. Based on the review of analytical results obtained during the 2003 investigation conducted by CRA and summarized in a Data Report submitted to the DNRE on March 2, 2004, vertical profiling results at the water table indicated a concentration of PCE at 7.0 ug/L (7.1 ug/L in a duplicate sample) in a groundwater sample collected at 24 feet bgs from HP1-03 in this area were below the GSI Criteria. This was noted as important because at that location and depth, and at that concentration, it was unlikely that PCE was being collected by the Site’s groundwater foundation drain system, which was present at approximately 20 feet bgs and served to collect groundwater in the areas surrounding the building foundation. Groundwater was collected in the drain system and discharged to the on-Site retention pond, and then discharged to the Cole Drain, pursuant to an NPDES permit. The upgradient source PCE may also have commingled with the TCE release from the Site, and been similarly affected by the Site pump and treat system. The detection of PCE at monitoring well MW11-04 may also have been a remnant of the upgradient plume prior to the installation of the pump and treat system.

Based on the above, it was recommended that an investigation be conducted to evaluate the impact the off-Site source may have on the foundation drain system at the Site by installing a sampling port in the discharge of the foundation drain system and sampling the discharge three times for PCE, TCE, cis-1,2-DCE, and VC.

Results of Press Pit and Perforated Sump System Sampling, CRA, January 6, 2006

This memorandum presents the results of the excavation pit and sump sampling conducted by CRA in 2005. The purpose of these environmental investigations was to further evaluate the potential for off-Site PCE contamination to migrate onto and into the foundation drain system.

Four groundwater samples were collected from the dewatering activities during the installation of the new press pit foundation. Dewatering activities took place during April 2005 and May 2005. Water was pumped from the excavation through a six-inch diameter pipe into a temporary equalization basin, then pumped to the City of Wyoming POTW through a four-inch diameter pipe. The groundwater samples were collected on April 25, 2005, May 2, 2005, May 13, 2005 and May 20, 2005 from the six-inch diameter pipe outfall to the temporary equalization basin. Samples were analyzed for select VOCs: 1,1,1-TCA, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, PCE, TCE, VC.

Two groundwater samples were collected from the sump system. The sump system is a passive perforated foundation drain system used by the Site to prevent water from entering the basement. Perforated drainpipe runs on the southern portion of the plant along the east side parallel to Buchanan Street. Water flows through the perforated drainpipe into a sump where the water is then pumped to the stormwater retention pond. The groundwater samples were collected on August 25, 2005 and September 1, 2005 from the spout that was installed in the basement pipe above the sump pump. Samples were analyzed for select VOCs: 1,1,1-TCA, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, PCE, TCE, and VC.

Laboratory analytical results were compared to Part 201 RDWC, IDWC, GSIC, Residential Groundwater Volatilization to Indoor Air Inhalation Criteria (RGVIAC), Industrial Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIAC), and GCC.

PCE was detected in three Pit samples (May 5, 2005, May 13, 2005 and May 20, 2005) and in both Sump samples at concentrations above the Part 201 RDWC and IDWC. PCE was also detected in the April 25, 2005 Pit sample; however, the concentration was below the Part 201 GRCC and GICC.

TCE was detected in all the Pit samples and in both Sump samples; however, the concentrations were below the Part 201 GRCC and GICC. Cis-1,2-DCE was detected in three Pit samples (May 5, 2005, May 13, 2005, and May 20, 2005) and one Sump sample (September 1, 2005); however, the concentrations were below the Part 201 GRCC and GICC. No other select VOCs were detected above laboratory detection limits.

Sample results indicate that PCE is present in the Sump system at levels above Part 201 Criteria which is protective for drinking water. However, levels of PCE and other substances are not above Part 201 GSI, RGVIAC, IGVIAC, or GCC, which are more relevant and applicable Part 201 Criteria at this location.

Based on the above, CRA recommended that the Sump system continue to be sampled on a regular basis (sampled with other regular scheduled sampling events), to ensure levels of PCE do not exceed relevant criteria.

Summary of Soil Investigations – Former SVE System Area, CRA, September 8, 2006

CRA prepared a memorandum regarding the Summary of Soil Investigations – Former SVE System Area dated September 8, 2006. The purpose of this memorandum was to present a summary of the soil investigations conducted by CRA in the vicinity of the former SVE system at the Site. The soil investigations were conducted to evaluate and delineate VOC concentrations in the vicinity of the former SVE system.

Subsequent to the SVE system shutdown in 2003, subsurface investigation activities were conducted to assess VOC concentrations in the vadose, or unsaturated zone in July 2004, July 2005, and December 2005, respectively.

The results of these investigations are summarized in the above discussion of the 2004 Data Report dated December 2004 and the below discussion of the 2005-2006 Investigation Data Report dated April 2007.

Based on review of the report, it was concluded that additional investigation was required to delineate the extent of VOC contamination in soil at the Site to Part 201 GRCC, which was subject to Part 201.

It was recommended that a Work Plan be developed and submitted to the DNRE to further evaluate the extent of VOCs present in soil.

2005 Bulk Unload Area Investigation Summary, CRA, September 8, 2006

A 2005 Bulk Unload Area Investigation Summary was prepared for the Site by CRA and dated September 8, 2006.

In November 2004, Site personnel installed a trench drain in the bulk unload area near the northwest corner of the plant. The trench drain was approximately 70 feet long by one-foot wide and drained to a sump located adjacent to the bulk unload area.

Prior to disposal, Site personnel sampled excavated soils from the area for waste characterization. Analysis conducted for the waste characterization of the excavated soils included TCLP metals, oil and grease, and TPH as gasoline, diesel, and “other.” TCLP analysis of the waste soil sample had detections of barium, cadmium, copper, lead, and zinc. Totals analysis was also preformed on lead, TPH diesel, and TPH “other” for which there were detections. The soils were disposed of as a hazardous waste due to the concentration of lead identified.

Based on these findings, an investigation in the bulk unload area was initiated. Seven soil borings, SB19-05 through SB25-05 (SB19 through SB25), were advanced at the Site

on December 12, 2005 and a total of 33 soil samples were collected to define soil conditions in the vicinity of the trench drain. The soil samples were analyzed for PNAs and TAL metals. Laboratory analytical results were compared to Part 201 GRCC and GICC.

Arsenic was detected at concentrations above the Part 201 Residential DWPC, DCC, and SDBL in the soil samples collected from SB20 (at 0 to 2 ft bgs and 4 to 6 ft bgs), SB21 (at 4 to 6 ft bgs), and SB25 (at 2 to 4 ft bgs). Arsenic was detected at concentrations above the Part 201 Industrial DWPC and SDBL in the soil samples collected from SB20 (at 0 to 2 ft bgs and 4 to 6 ft bgs), SB21 (at 4 to 6 ft bgs), and SB25 (at 2 to 4 ft bgs).

Barium was detected at concentrations above the Part 201 Residential and Industrial GSIC and the SDBL in the soil samples collected from SB20 (at 0 to 2 ft bgs), SB21 (at 4 to 6 ft bgs), and SB25 (at 2 to 4 ft bgs).

Cadmium was detected at concentrations above the Part 201 Residential and Industrial GSIC and the SDBL in the soil samples collected from SB20 (at 0 to 2 ft bgs), SB21 (at 4 to 6 ft bgs), and SB25 (at 2 to 4 ft bgs). Additionally, cadmium was detected at concentrations above the Part 201 Residential and Industrial DWPC in the soil samples collected from SB21 (at 4 to 6 ft bgs) and SB25 (at 2 to 4 ft bgs).

Total chromium was detected at concentrations above the Part 201 Residential and Industrial GSIC and SDBL in the soil samples collected from SB19 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB20 (at 0 to 2 ft bgs, 2 to 4 ft bgs, 4 to 6 ft bgs), SB21 (at 0 to 2 ft bgs, 2 to 4 ft bgs, 4 to 6 ft bgs, and 6 to 8 ft bgs), and SB25 (at 2 to 4 ft bgs and 4 to 6 ft bgs). Total chromium was detected above the Part 201 Residential and Industrial DWPC in the soil samples collected from SB19 (at 2 to 4 ft bgs), SB20 (at 0 to 2 ft bgs, 2 to 4 ft bgs, and 4 to 6 ft bgs), SB21 (at 4 to 6 ft bgs and 6 to 8 ft bgs), and SB25 (at 2 to 4 ft bgs and 4 to 6 ft bgs). Total chromium was detected above the Part 201 Residential and Industrial Particulate Soil Inhalation Criteria (PSIC) in soil samples collected from SB19 (at 2 to 4 ft bgs), SB20 (at 0 to 2 ft bgs), SB21 (at 4 to 6 ft bgs and 6 to 8 ft bgs), and SB25 (at 2 to 4 ft bgs). Total chromium was detected above the Part 201 Residential DCC in soil samples collected from SB21 (at 4 to 6 ft bgs) and SB25 (at 2 to 4 ft bgs), but below the Part 201 Industrial DCC.

Lead was detected above the Part 201 Residential DCC and SDBL in the soil samples collected from SB20 (at 0 to 2 ft bgs), SB21 (at 4 to 6 ft bgs), and SB25 (at 2 to 4 ft bgs), with the concentrations at SB21 (at 4 to 6 ft bgs) and SB25 (at 2 to 4 ft bgs) also exceeding the Part 201 Industrial DCC. Lead was detected above the Part 201 Residential and Industrial DWPC and GSIC in the soil samples collected from SB21 (at 4 to 6 ft bgs) and SB25 (at 2 to 4 ft bgs).

Mercury was detected above the Part 201 Residential and Industrial GSIC and SDBL in the soil sample collected from SB20 (at 0 to 2 ft bgs).

Selenium was detected above the Part 201 Residential and Industrial GSIC and SDBL in the soil samples collected from SB19 (at 2 to 4 ft bgs), SB20 (at 0 to 2 ft bgs), and SB21 (at 0 to 2 ft bgs and 6 to 8 ft bgs).

Silver was detected above the Part 201 Residential GSIC and SDBL in the soil samples collected from SB19 (at 2 to 4 ft bgs), SB20 (at 0 to 2 ft bgs), SB21 (at 4 to 6 ft bgs and 6 to 8 ft bgs), SB25 (at 2 to 4 ft bgs). Additionally, silver was detected above the Part 201 Residential DWPC in the soil samples collected from SB21 (at 4 to 6 ft bgs and 6 to 8 ft bgs) and SB25 (at 2 to 4 ft bgs), with the concentrations at SB21 (at 4 to 6 ft bgs) and SB25 (at 2 to 4 ft bgs) also exceeding the Part 201 Industrial DWPC.

Benzo(a)anthracene was detected above the Part 201 Residential DCC in the soil sample collected from SB20 (at 0 to 2 ft bgs), but below the Part 201 Industrial DCC.

Benzo(a)pyrene was detected above the Part 201 Residential DCC in the soil samples collected from SB20 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB21 (at 2 to 4 ft bgs), and SB25 (at 0 to 2 ft bgs). Additionally, concentrations detected in soil samples from SB20 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB21 (at 2 to 4 ft bgs) exceeded the Part 201 Industrial DCC.

Benzo(b)fluoranthene was detected above the Part 201 Residential DCC in the soil samples collected from SB20 (at 0 to 2 ft bgs) and SB21 (at 2 to 4 ft bgs), but below the Part 201 Industrial DCC.

Dibenz(a,h)anthracene was detected above the Part 201 Residential DCC in the soil samples collected from SB20 (at 0 to 2 ft bgs) and SB21 (at 2 to 4 ft bgs), but below the Part 201 Industrial DCC.

Fluoranthene was detected above the Part 201 Residential and Industrial GSIC in the soil samples collected from SB20 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB21 (at 2 to 4 ft bgs), and SB25 (at 0 to 2 ft bgs).

Naphthalene was detected above the Part 201 Residential and Industrial GSIC in the soil samples collected from SB20 (at 0 to 2 ft bgs and 2 to 4 ft bgs).

Phenanthrene was detected above the Part 201 Residential and Industrial GSIC in the soil samples collected from SB20 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB21 (at 2 to 4 ft bgs), and SB25 (at 0 to 2 ft bgs).

Based on these findings, additional investigation in the bulk unload area was recommended to further delineate the horizontal and vertical extent of contamination.

2005-2006 Investigation Data Report, CRA, April 2007

A 2005-2006 Investigation Data Report was prepared by CRA and dated April 2007.

The purpose of the environmental investigation was to further evaluate and delineate chlorinated compound impacts to groundwater above the Part 201 GRCC, to further define hydrogeologic conditions at the Site, and evaluate current conditions in source area soil.

Investigative activities included the advancement of sixteen soil borings with two of the soil borings completed as monitoring wells and the collection and analysis of soil and groundwater samples. Thirteen soil borings, SB6-05 through SB18-05, were advanced at the Site on July 11 to 12, 2005 and December 3, 2005, and a total of 136 soil samples were collected to define current soil conditions at the former degreaser location. The thirteen soil borings were installed in the area surrounding air purge well 87-3, associated with the former SVE treatment system, to vertically and horizontally determine the current concentrations of chlorinated compounds in the vadose, or unsaturated zone. Soil borings were advanced to a terminal depth of 20 feet bgs, which was immediately above the water table. One soil sample was collected per two-foot interval from each boring for analysis of TCL VOCs.

One soil boring, HP17-06, was advanced on August 7, 2006, on the west side of Cole Drain across from MW11D-04 and MW11S-05 to evaluate potential chlorinated compound contamination in groundwater west of Cole Drain and confirm groundwater flow conditions relative to the Cole Drain. Discrete groundwater samples were collected from the soil boring utilizing VAS via a hydropunch. VAS was conducted at HP17-06 at 10-foot intervals beginning at the water table and continuing until the clay confining layer was encountered. Discrete groundwater samples were analyzed for TCL VOCs.

Two monitoring wells, MW11S-05 and MW17-06, were installed on December 12, 2005 and August 17, 2006, respectively, to evaluate potential chlorinated compound contamination in groundwater adjacent to Cole Drain and confirm groundwater flow conditions relative to the Cole Drain. MW11S-05 was installed adjacent to MW11D-04 and MW17-06 was installed directly across the Cole Drain. The depth of monitoring well MW11S-05 screen was set from 5 to 10 feet bgs, to straddle the water table to further evaluate the vertical and horizontal groundwater flow regime adjacent to the Cole Drain. The depth of monitoring well MW17-06 screen was set at 51 to 56 feet bgs, consistent with the maximum detected levels of VOCs during the VAS, to further evaluate the vertical and horizontal groundwater flow regime adjacent to the Cole Drain.

According to the report, quarterly groundwater and surface water sampling was conducted in April, June and December 2005, and semi-annual groundwater and surface water sampling was conducted in September 2006. Sampling of all monitoring wells was conducted in accordance with the 2005 Groundwater Monitoring Work Plan, which was submitted on April 12, 2005 to the DNRE and verbally approved on April 28, 2005.

Based on review of the report, the results of the July 2005 soil investigation indicated that TCE was detected in the soil samples collected from SB7-05 (at 0 to 2 feet bgs, 2 to 4 feet bgs, 14 to 16 feet bgs, and 16 to 18 feet bgs), SB8-05 (at 0 to 2 feet bgs, 2 to 4 feet bgs, 10 to 12 feet bgs, and 16 to 18 feet bgs), SB10-05 (at 0 to 2 feet bgs), SB12-05 (at 0 to 2 feet bgs, 2 to 4 feet bgs, 4 to 6 feet bgs, and 14 to 16 feet bgs), SB13-05 (at 0 to 2

feet bgs, 12 to 14 feet bgs, and 16 to 18 feet bgs), and SB14-05 (at 0 to 2 feet bgs and 16 to 18 feet bgs) at concentrations above the Part 201 Residential and Industrial DWPC. TCE was also detected in the soil samples collected from SB8-05 (at 0 to 2 feet bgs and 10 to 12 feet bgs), SB12-05 (at 2 to 4 feet bgs) at concentrations exceeding the Part 201 Residential and Industrial GSIC. The concentration of TCE detected in the soil sample collected from SB8-05 (at 0 to 2 feet bgs) also exceeded the Part 201 Residential and Industrial SVIAC. Xylenes were detected in the soil sample collected from SB12-05 (at 2 to 4 feet bgs) at a concentration above the Part 201 Residential and Industrial GSIC. No other TCL VOCs were detected in the soil samples collected from SB5-05 through SB14-05 at concentrations above the Part 201 GRCC or GICC.

The results of the December 2005 soil investigation indicated that TCE was detected in the soil samples collected from SB15-05 (at 0 to 2 feet bgs and 10 to 12 feet bgs), SB16-05 (at 0 to 2 feet bgs and 6 to 8 feet bgs) at concentrations above the Part 201 Residential and Industrial DWPC. TCE was also detected in the soil sample collected from SB15-05 (at 10 to 12 feet bgs) at a concentration exceeding the Part 201 Residential and Industrial GSIC. The concentration of TCE in the soil sample collected from SB15-05 (at 10 to 12 feet bgs) also exceeded the Part 201 Residential SVIAC, but was below the Part 201 Industrial SVIAC. No other TCL VOCs were detected in the soil samples collected from SB15-05 through SB18-05 at concentrations above the aforementioned comparison Part 201 GRCC or GICC.

Based on the detected VOCs present in soil, it was noted that additional investigation was required to delineate the extent of contamination which may be subject to Michigan Act 451, Part 201. A risk assessment was being conducted to further evaluate the impacts detected in soil in this area. Based on the results of the risk assessment, a recommendation would be made regarding additional assessment of the area or other measures as needed to address Site conditions.

Based on the review of available documentation and analytical results, it was determined that a property located upgradient to the east of the Site, Conical Tool, had documented impacts to groundwater, including chlorinated compounds, specifically PCE. Based on the known upgradient impacts and concentrations of PCE detected along the Site's eastern boundary upgradient of the historic TCE release area, it was deemed likely that the upgradient source was contributing to on-Site concentrations of PCE and the related degradation products (TCE, cis-1,2-DCE, and VC).

Furthermore, significant TCE mass was reported to be removed by the pump and treat system from 86-2, which was evident from a historical high concentration of 100 mg/L reduced to a concentration of 0.0028 mg/L identified during this investigation. Current conditions at PW-DISCH could not be evaluated due to the system shutdown; however, the TCE concentration detected in MW7-03 in September 2006 was 0.00045 mg/L (qualified value). Based on the above, the pump and treat system was turned off on February 28, 2005.

The off-Site, downgradient VOC plume had been identified at the Godwin Heights Public School property (GHPS Property) north of the 36th Street SW parking lot. VOC

concentrations in the off-Site plume above Part 201 DWC included PCE, TCE and cis-1,2-DCE. Off-Site concentrations had not been identified above any other Part 201 Cleanup Criteria. As discussed above, there was a separation of the plumes associated with this release, because portions of the release migrated downgradient laterally prior to the installation of the pump and treat system purge well at the property boundary in the parking lot in 1993.

Significant TCE mass had been removed by PW-DISCH at the border of the GHPS Property. However, VOC contamination off-Site had migrated outside of the PW-DISCH capture zone and, based on the distance from the monitoring wells exhibiting the concentrations of TCE and PCE above the Part 201 Residential and Industrial DWC, the former treatment system was not effective in further removal of residual downgradient VOCs. The extent of contamination had been sufficiently delineated to Part 201 Residential DWC vertically; however due to detections in MW4-03 the extent of contamination was yet to be precisely defined laterally. Based on the determined groundwater flow direction, from south-southeast to north-northwest and the elevation of the Cole Drain relative to the groundwater table, groundwater in the vicinity of the Cole Drain appeared to be discharging to the drain, which in turn acted as a gaining stream. PCE, TCE, and cis-1,2-DCE were detected in MW17-06, located on the west side of Cole Drain, at concentrations above the Part 201 Residential and Industrial DWC. PCE and TCE were also detected in MW11D-04, located on the east side of Cole Drain across from MW17-06, at concentrations above the Part 201 Residential and Industrial DWC. It should be noted that PCE and TCE concentrations were higher on the west side of the Cole Drain, potentially indicated VOC sources west of the Site.

Based on the above, it was recommended to conduct further groundwater investigation activities to the east of MW4-03 to confirm the lateral extent of groundwater impacts. It was also recommended that research should be completed on properties to the west of Cole Drain to determine if these are a potential source of VOCs in local groundwater.

No SVOCs were detected during the September 2006 groundwater monitoring event at concentrations above the Part 201 GRCC or GICC. Monitoring information gave no evidence of the presence of LNAPL as recoverable “free product”, due to a lack of volume of product present (i.e., observed as a sheen or less than an eighth of an inch in thickness).

Based on the lack of consistent observations of the presence of “free product” and the analytical data for SVOCs in this area, it was recommended that one year of semi-annual monitoring at the current locations be conducted to further establish the presence or absence of conditions needing further attention.

Summary of Adjacent Property Review – Conical Tool Company, CRA, September 12, 2007

A Summary of Adjacent Property Review was conducted for the Conical Tool Company property and summarized in a memorandum prepared by CRA and dated September 12, 2007. The purpose of this memorandum was to summarize the adjacent property FOIA

review completed in conjunction with the ongoing groundwater and soils investigations at the Site. The adjacent Conical Tool Company (Conical Tool) property, located at 3890 Buchanan Avenue, is located hydraulically upgradient and immediately adjacent to the southeast of the Site.

CRA previously completed an adjacent property review in the immediate upgradient vicinity of the Site on April 24, 2003. Based on the results of the adjacent property identification, a written FOIA request was submitted to the Michigan Department of Environmental Quality (MDEQ) Remediation and Redevelopment Division (RRD) on April 29, 2003. The FOIA request included numerous properties adjacent to the Site.

One file was identified for all requested properties: Conical Tool, located at 3890 Buchanan Avenue. On May 13, 2003, CRA performed a file review at the MDEQ RRD office located in Wyoming, Michigan. Documentation that was available for CRA's review on May 13, 2003 included:

- Phase II Environmental Site Assessment (ESA) prepared by Dixon Environmental Consulting, Inc. (Dixon), dated January 28, 2002; and
- Preliminary Soil and Groundwater Data for Conical Tool Company prepared by Dixon, dated September 3, 2002.

Based on the review of available documentation during the previous FOIA summary, CRA provided the following conclusions:

- TCE was detected in soil, and TCE and PCE have been identified in groundwater on the Conical Tool property, located hydraulically upgradient of the Site. Insufficient information was available to determine whether PCE is present in soil at this property;
- The vertical extent of TCE and PCE in groundwater at the Conical Tool site was not determined;
- Insufficient information was available to determine the actual source of PCE upgradient of the Grand Rapids Metal Plant. However, the file review does confirm that PCE is present in groundwater located hydraulically upgradient of the Site at concentrations above the Residential Criterion, pursuant to Part 201 of Michigan Act 451 of 1994, as amended; and
- Additional potential upgradient properties including Accurate Metal Finishing and Travis Collision were observed; however, no documentation was available during the FOIA review for these properties.

A written FOIA request was submitted to the MDEQ RRD on July 30, 2007. It should be noted that the FOIA request covered the period from April 24, 2003 to July 30, 2007 only. Two file documents were identified for Conical Tool for the requested time period, including:

- National Pollutant Discharge Elimination System (NPDES) Certificate of Coverage (COC) and termination of COC; and
- Category S Baseline Environmental Assessment (BEA) for Conical Tool Company 3890 Buchanan Avenue, SW, Wyoming, Michigan dated April 21, 2004 and conducted by Dixon Environmental Consulting, Inc. (DEC).

A NPDES COC was approved in a May 28, 1996 letter to Harriet Stanaback of Conical Tool under COC No. MIR11G119. The COC classified the facility as an A.1.i Storm Water Management Industrial Site. The effective date of the coverage for the COC was May 24, 1996. According to a letter to Harriet Stanaback of Conical Tool, dated April 22, 1996, an investigation of the facility was conducted on April 18, 1996, which determined that the facility discharges to Buck Creek. An anonymous complaint was attached to the letter, which was submitted to the MDEQ Surface Water Quality Division on April 18, 1996. The complaint stated that oils, coolants, cutting fluids and mineral spirits were being disposed outside of the site buildings and acid was being disposed into sinks within the buildings.

The NPDES COC was terminated in a letter to Harriet Stanaback, dated December 16, 1998. The coverage was terminated on December 14, 1998 based on the fact that storm water discharges were no longer coming into contact with industrial activities at the property.

A Category S BEA, dated April 21, 2004, was completed for the Conical Tool facility by DEC. According to the BEA, the site consisted of a commercial building, an asphalt paved parking area and an unpaved parking area. No USTs or discarded containers were identified during completion of the BEA. Conical Real Estate, L.L.C. planned to purchase the property on or about April 30, 2004 and Cut Above Tool Company, Inc. intended to begin metallic tooling operations, similar to current operations, as soon as engineering controls and isolation zones were installed at the property.

According to the BEA, tooling operations were anticipated to consist of grinding, cutting and shaping metallic rods into tapered end mill bits, storage of rods and the storage and use of cutting oils, cooling oils, and lubricant oil. The processes at the site produce shavings and grinding sludge, which are recycled off-site by a third party. Hazardous substances (chromium, iron, molybdenum, and nickel) that were previously encountered in shallow site soils are found in the shavings and grinding sludge.

According to the BEA, Cut Above Tool Company did not intend to use, store, handle or manage significant quantities of TCE or PCE at the property. Cut Above Tool Company would utilize engineering controls and isolation zones as a means of distinguishing any new release after acquisition from any pre-existing contamination. The site would be divided into Zone A (Proposed Isolation Zone) and Zone B (Proposed Concrete and Asphalt Engineering Control). Cut Above Tool Company did not intend to have any significant hazardous substance use within Zone A at the site and clean topsoil would be installed, seeded and maintained in the area. Zone B would be utilized for hazardous substance use during site operations, which include metal grinding operations and storage

of metal shavings. Zone B included the concrete flooring within the site building and any outside concrete or asphalt areas. Future releases of hazardous substances in Zone B would be separated from the pre-existing contamination by a physical barrier. The concrete asphalt areas will be visually inspected quarterly and repaired as necessary to maintain this barrier.

According to the BEA, previous investigations indicated that chromium, iron, molybdenum and nickel were detected at concentrations which exceeded the Part 201 Residential DWPC for soil. One shallow soil sample under the site building contained detections of TCE above the Part 201 Residential DWPC. Concentrations of PCE and TCE were also detected in groundwater at the site above the Part 201 Residential DWPC.

Based on the observed groundwater flow direction at the Site, the Conical Tool property is assumed to be located hydraulically upgradient. However, no property-specific groundwater flow direction information for the Conical Tool site was presented in the documentation reviewed by CRA.

Based on the review of available information obtained from the FOIA request, it appears possible that there was a former or current source of TCE and PCE at the Conical Tool site. TCE was identified in soil and groundwater at concentrations above the Part 201 Residential DWPC and DWPC, respectively. PCE was also detected in groundwater above the Part 201 Residential DWPC from the Conical Tool site. However, it is not clear from the information reviewed whether all soil samples were analyzed for PCE. Insufficient information from the DNRE files was present to determine a possible source location for PCE at the Conical Tool site. Additionally, the vertical extents of TCE and PCE in groundwater were not determined, based on the information reviewed.

Selected excavation was conducted in two areas at the Conical Tool site. Neither of these excavations were conducted where the TCE was detected in soil above the Part 201 GRCC.

During the investigations conducted by DEC, five monitoring wells, MW-1 through MW-5, were installed at the Conical Tool site. Groundwater samples collected from these wells ranged from 12 feet bgs to 17.5 feet bgs. Additional delineation grab groundwater samples were collected from depths of approximately 17 to 19 feet bgs.

Concentrations of PCE and TCE in groundwater samples collected during ongoing groundwater monitoring activities from monitoring wells MW1-03 and MW2-03 of the Site, indicated that samples collected from near the water table, similar to those collected at the Conical Tool site, are at lower concentrations than in samples collected at greater depths. This is consistent with the hypothesis of an upgradient source located some distance from the Site.

Based on the review of available documentation, CRA provides the following conclusions:

- TCE was detected in soil, and TCE and PCE have been identified in groundwater on the Conical Tool property, located hydraulically upgradient of the Site. Insufficient information was available to determine whether PCE is present in soil at this property;
- The vertical extent of TCE and PCE in groundwater at the Conical Tool site was not determined; and
- Insufficient information was available to determine the actual source of PCE upgradient of the Grand Rapids Metal Plant. However, the file review does confirm that PCE is present in groundwater located hydraulically upgradient of the Site at concentrations above the Part 201 GRCC.

2007 Bulk Unload Area Investigation, CRA, October 26, 2007

Based on the findings of the 2005 Bulk Unload Area investigation, additional investigation activities were conducted on July 10, 2007, which included eight soil borings, SB26-07 through SB32-07 (SB26 through SB32). A total of 44 soil samples were collected for laboratory analysis for PNAs and TAL metals, with results compared to Part 201 GRCC and GICC.

Antimony was detected above the Part 201 Residential and Industrial DWPC in the soil samples collected from SB26 (0 to 2 ft bgs and 2 to 4 ft bgs) and SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs).

Arsenic was detected at concentrations above the Part 201 Residential DWPC, DCC, and SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs, 2 to 4 ft bgs and 6 to 8 ft bgs), SB27 (at 0 to 2 ft bgs, 2 to 4 ft bgs and 4 to 6 ft bgs), and SB28 (at 4 to 6 ft bgs). Arsenic was detected at concentrations above the Part 201 Industrial DWPC and SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs, 4 to 6 ft bgs and 6 to 8 ft bgs), SB27 (at 0 to 2 ft bgs, 2 to 4 ft bgs and 4 to 6 ft bgs), and SB28 (at 2 to 4 ft bgs). In addition, arsenic was detected at concentrations above Part 201 Industrial DCC II, II and IV in the soil sample collected from SB27 (at 4 to 6 ft bgs).

Barium was detected at concentrations above the Part 201 Residential and Industrial DWPC, SDBL and Residential and Industrial GSIC in the soil sample collected from SB26 (at 2 to 4 ft bgs) and above the Part 201 Residential and Industrial DWPC and the SDBL in the soil samples collected from SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs).

Cadmium was detected at concentrations above the Part 201 Residential GSIC and the SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs). Additionally, Cadmium was detected at concentrations above the Part 201 Residential and Industrial DWPC in the soil samples collected from SB26 (at 2 to 4 ft bgs), SB27 (at 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs).

Total chromium was detected at concentrations above the Part 201 Residential and Industrial GSIC and SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB28 (at 4 to 6 ft bgs), SB29 (at 0 to 2 ft bgs), SB31 (at 8 to 10 ft bgs) and SB32 (at 0 to 2 ft bgs). Total chromium was detected above the Part 201 Residential and Industrial DWPC in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB28 (at 4 to 6 ft bgs), at SB29 (at 0 to 2 ft bgs), and SB31 (at 8 to 10 ft bgs). Total chromium was detected above the Part 201 Residential and Industrial Particulate Soil Inhalation Criteria (PSIC) in soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs). Total chromium was detected above the Part 201 Residential Direct Contact Criteria (DCC) and the Industrial and Commercial Direct Contact Criteria II, III and IV in the soil sample collected from SB27 (at 2 to 4 ft bgs).

Cobalt was detected at concentrations above the Part 201 Residential and Industrial DWPC and GSIC and the SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB28 (at 2 to 4 ft bgs and 4 to 6 ft bgs), SB29 (at 0 to 2 ft bgs) and SB31 (at 8 to 10 ft bgs).

Copper was detected at concentrations above the Part 201 Residential and Industrial GSIC and the SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 0 to 2 ft bgs and 4 to 6 ft bgs).

Lead was detected above the Part 201 Residential and Industrial DWPC, DCC and SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs), and SB28 (at 4 to 6 ft bgs). Additionally, lead was detected above the Part 201 Residential GSIC with the concentrations at SB26 (at 4 to 6 ft bgs) and SB27 (at 2 to 4 ft bgs).

Manganese was detected above the Part 201 Residential and Industrial DWPC and GSIC and the SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs), with the concentration in SB27 (at 2 to 4 ft bgs) also exceeding the Part 201 Residential PSIC and the concentrations in SB26 (at 2 to 4 ft bgs), SB27 (0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs) also exceeding the Industrial PSIC.

Nickel was detected above the Part 201 Residential and Industrial DWPC and GSIC and the SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs).

Selenium was detected above the Part 201 Residential and Industrial GSIC and SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs, 2 to 4 ft bgs, 4 to 6 ft bgs and 6 to 8 ft bgs) and SB28 (at 4 to 6 ft bgs).

Silver was detected above the Part 201 Residential and Industrial GSIC and SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB28 (at 4 to 6 ft bgs) and SB29 (at 0 to 2 ft bgs, 2 to 4 ft bgs, and 4 to

6 ft bgs). Additionally, silver was detected above the Part 201 Residential DWPC in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs), with the concentrations at SB26 (at 2 to 4 ft bgs) and SB27 (at 2 to 4 ft bgs) also exceeding the Part 201 Industrial DWPC.

Vanadium was detected above the Part 201 Residential DWPC in the soil samples collected from SB26 (at 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs).

Zinc was detected above the Part 201 Residential and Industrial GSIC and the SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs), with the concentrations in SB26 (2 to 4 ft bgs) and SB27 (2 to 4 ft bgs) also exceeding the Part 201 Residential and Industrial DWPC and the concentrations in SB26 (0 to 2 ft bgs) and SB27 (0 to 2 ft bgs) exceeding the Part 201 Residential DWPC.

Benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above the Part 201 Residential DCC in the soil sample collected from SB27 (at 0 to 2 ft bgs). Fluoranthene was also detected above the Part 201 Residential GSIC in the soil sample collected from SB27 (at 0 to 2 ft bgs).

Benzo (a) pyrene was detected above Part 201 Industrial DCC II, II and IV in the soil sample collected from SB27 (at 0 to 2 ft bgs). Fluoranthene was detected above Part 201 Industrial GSIC in the soil sample collected from SB27 (at 0 to 2 ft bgs).

Based on these findings, additional investigation was recommended to further delineate the horizontal and vertical extent of contamination in the bulk unload area. The 2008 Bulk Unload Area Work Plan was submitted to the DNRE and was subsequently approved via correspondence dated September 11, 2009. The Bulk Unload Area Work Plan was implemented in April 2010 and the results are currently pending.

Summary of Adjacent Property Review – West Side of Cole Drain, CRA , December 5, 2007

A Summary of Adjacent Property Review was conducted for the Conical Tool Company property and summarized in a memorandum prepared by CRA and dated September 12, 2007. The purpose of the memorandum was to summarize the adjacent property review completed for the area along the west side of Cole Drain, along Clay Avenue between 32nd Street and 36th Street. These activities were completed in conjunction with the on-going groundwater investigation and remediation at the Site.

CRA completed a visual adjacent property review for the area along to the west side of Cole Drain, along Clay Avenue between 32nd Street and 36th Street on April 10, 2007. The adjacent property review included observing and recording the addresses and facility names of properties along 32nd Street, 36th Street and Clay Avenue, along the west side of Cole Drain, to the north of the Site. The following facilities and corresponding addresses were observed to be present in this area during an area walkover:

<u>Facility</u>	<u>Address</u>
Price & Company	425 36 th Street SW
Shoemaker Inc. Heating & Cooling Supply	5075 Clay Avenue
Good Metals Company	440 32 nd Street SW
American Metal & Plastics, Inc.	450 32 nd Street SW

Based on the results of the adjacent property visual identification, a written FOIA request was submitted to the DNRE on April 11, 2007. The FOIA request included the aforementioned properties.

Documentation that was received by CRA from the MDEQ Remediation and Redevelopment Division (RRD) for review on April 25, 2007 for the Wyoming Warehouse, Inc. (currently Price & Company) property located at 425 36th Street SW included:

- Clean – Up Report, prepared by Gillhespy – RV Seaman, Inc. for the Wyoming Warehouse Inc., dated December 26, 1989;
- Hydrogeological and Soil Investigation at Wyoming Warehouse, Inc. prepared by Westshore Engineering & Surveying, Inc. (Westshore), dated April 28, 1992;
- Hydrogeological and Soil Investigation at Wyoming Warehouse, Inc. prepared by Westshore, dated December 4, 1992; and
- LUST Closure Letter from MDNR dated November 17, 1993 and associated letters.

Documentation that was received by CRA from the MDEQ Water Bureau for review on April 25, 2007 for the American Metals & Plastics Inc. (AMPI) located at 450 32nd Street SW included:

- A NPDES COC and associated documentation;
- MDNR RCRA/Michigan Hazardous Waste Management Act inspection, dated June 9, 1994; and
- MDEQ Waste Management Division inspection documentation dated May 30, 2002.

Documentation that was received by CRA from the MDEQ Waste Management Division, for review on April 25, 2007 for Metal Source Company (currently Good Metals Company property) located at 440 32nd Street SW included:

- Letter from the Kent County Health Department regarding Improper Disposal of Cutting/Cooling Oil at 440 32nd Street SW dated October 6, 1986.

PRICE & COMPANY (FORMERLY WYOMING WAREHOUSE, INC.)

Clean-Up Report, Gillhespy – RV Seaman, Inc., December 26, 1989

A Clean-Up Report was prepared by Gillhespy – RV Seaman, Inc. and summarized in a letter dated December 26, 1989. The scope of work for the clean-up was to conduct a corrective action for Wyoming Warehouse for a release of petroleum products.

Based on information provided in the Clean-Up Report, a release of petroleum products (diesel fuel) was reported during removal of a diesel UST to the State Fire Marshal on December 26, 1989 indicating that a tank was removed from the Site. The UST was located to the south of the southeast corner of the Site building. On January 17, 1990 Gillhespy – RV Seaman, Inc. screened soils with an O.V.M. meter to confirm that excavated soils and backfill material were contaminated. Based on the O.V.M. meter readings encountered, additional soils were excavated and screened with an O.V.M. meter. A total of 42.28 tons of soil were removed on January 17, 1990, 46.61 tons of soils were removed on January 18, 1990 and 52.77 tons were removed on January 19, 1990. All soils were disposed at the Kent County Landfill. The degree of contamination was observed to be increasing with depth and width of the excavation. Based on review of the report, the excavation was approximately 25 feet long by 15 feet wide and 13 feet deep. A test hole was advanced with moist sand encountered at 11.5 feet bgs. A water sample was collected which showed free product and had an O.V.M. reading of 155 ppm. The MDNR was contacted and a 12-inch PVC monitoring well was installed.

Letter to Mr. David Lindsay of the MDNR, Westshore, February 8, 1991

In a letter to Mr. David Lindsay of the MDNR, dated February 8, 1991, Westshore summarized activities performed to date at the Wyoming Warehouse Site. Based on review of the letter, static water levels were recorded on April 26, 1990, May 8, 1990 and September 26, 1990, respectively. Groundwater levels were consistent on all three dates and it was determined that the groundwater flow direction was towards the northeast (towards Cole Drain). Free product recovery was determined to be complete by utilizing a portable electric pump in the 12-inch recovery well located in the center of the excavation area. Free product recovery ceased in December 1990 based on a lack of measurable free product. A total of nine 55-gallon drums of free-product were removed from the recovery well during the operation of the well.

Groundwater samples were collected from MW-2, located down-gradient of the excavation area, on May 4, 1990 and analyzed for BTEX, TPH and diesel fuel components. Analytical results indicated that the sample was below detection limits for all constituents.

The remainder of the letter detailed investigation activities to be conducted as part of a hydrological and soil investigation at the property.

Hydrological and Soil Investigation at Wyoming Warehouse, Inc., Westshore, April 28, 1992

A Hydrological and Soil Investigation was conducted by Westshore and summarized in a report dated April 28, 1992 for the Wyoming Warehouse, Inc. property.

The scope of work for the hydrological and soil investigation was determined based on correspondence between Westshore and the MDNR. Four soil borings were installed approximately 1 to 3 feet from the sides of the excavation to investigate the lateral extent of the contamination from the former diesel fuel tank by utilizing a 4 ¼ inch hollow stem auger (HSA). Split spoon samples were collected at five-foot intervals to the water table and screened with an Organic Vapor Analyzer (OVA) by head space methods. No readings were detected via field screening, therefore, samples were collected from just above the water table and submitted for laboratory analysis for BTEX and PNAs. One soil sample, collected from soil boring 3 (SB-3), contained toluene at a concentration of 15 ug/kg. All soil samples were collected from nine feet bgs based on groundwater levels encountered at approximately 9 to 11 feet bgs.

As compared to current regulations, toluene was detected below the Part 201 GRCC and Part 213 RBSL.

Groundwater samples were collected from monitoring wells MW-1, MW-2, MW-3 and MW-4 and analyzed for BTEX and PNAs. Based on analytical results, BTEX and PNA compounds were determined to be present in MW-4, which replaced the 12-inch recovery well in the center of the former tank excavation. During groundwater sampling, hydrocarbon odors were noted by Westshore in MW-2 and MW-3.

Based on the results of the hydrological and soil investigation, Westshore recommended the following:

- Resampling of MW-2, MW-3 and MW-4 for TPH;
- Installation of a test boring with VAS at approximately 10 to 15 feet downgradient of the center of the excavation via HSA drilling methods. Collection of groundwater samples at 10-foot intervals beginning at the top of the water table and continuing until a lower impervious layer was encountered or two consecutive 10-foot samples tested clean utilizing a Carian 2400 Field Gas Chromatograph. The drilling to proceed one-foot into the impervious layer with a split-spoon two feet into the impervious layer. Wells logs from the area indicated an impervious layer may exist at 20 to 30 feet bgs. Groundwater samples collected for laboratory analysis of BTEX and PNAs; and
- Collection of two soil sample from immediately above the capillary fringe zone within the former boundaries of the UST excavation and analyzed for BTEX and PNAs.

Hydrological and Soil Investigation at Wyoming Warehouse, Inc., Westshore, December 4, 1992

A Hydrological and Soil Investigation was conducted by Westshore and summarized in a report dated December 4, 1992.

The scope of work for the hydrological and soil investigation was detailed in the previous hydrological and soil investigation report, dated April 28, 1992 and is summarized above. The scope of work consisted of collecting groundwater samples from MW-2, MW-3 and MW-4 for TPH analysis, conducting VAS at test borehole 1 (TB-1) located approximately 10 to 15 feet downgradient of the center of the former excavation area, the collection of two soil samples from immediately above the capillary fringe zone within the former boundaries of the UST excavation and the collection of one soil sample outward from the previous soil boring SB-3 for BTEX analysis.

Based on analytical results and OVA readings, no impacts to soil were observed by Westshore during the additional investigation. Analytical results for the groundwater samples collected from MW-2, MW-3 and TB-1 were non-detect for BTEX and PNAs. Monitoring well MW-4 contained TPH at a concentration of 22 mg/L, fluorene at 5.3 µg/L, naphthalene at 35 µg/L, and phenanthrene at 8.6 µg/L. Based on analytical results, Westshore concluded that the vertical and horizontal extent of impacts were defined and recommended quarterly monitoring of MW-4, as it was the highest zone of contamination with historic concentrations of naphthalene at 30 µg/L and xylenes at 300 µg/L.

As compared to current regulations, fluorene is below the Part 201 Residential DWC and Part 213 RBSL. Phenanthrene and naphthalene are above the Part 201 GSIC and Part 213 RBSL.

Letter to MDNR from Westshore, October 18, 1993

According to the letter from Westshore to the MDNR, dated October 18, 1993, analytical results from sampling activities conducted at MW-4 on October 8, 1992 indicated that naphthalene was detected at a concentration of 21 µg/L and xylenes were detected at a concentration of 94 µg/L, which were both below Type B closure criteria and which Westshore attributed to the hydrocarbon odor detected in the well. These results were the second set of results in a row that were below the Type B closure criteria and therefore, Westshore requested no further remediation at the Site and Type B closure for soil and groundwater based on comments regarding closure summarized in a letter to Mr. Orrin Sunde from the MDNR dated December 29, 1992.

Naphthalene and xylenes were detected above the Part 201 GSIC and Part 213 RBSL.

Letter to Mr. Orrin Sunde of Wyoming Warehouse from MDNR, November 17, 1993

The letter to Mr. Orrin Sunde of Wyoming Warehouse from Mr. Gerard J. Heyt of the MDNR, concurs with the letter from Westshore to the MDNR on October 18, 1993 that the interim response activities at the Site have reduced the contamination to concentrations acceptable for a Type B Closure. According to the letter, a total of 142 cubic yards of soil were excavated and removed from the Site and 750 gallons of contaminated groundwater were removed from a monitoring well (MW-4) located at the source of the contamination.

Xylenes were detected above the Part 201 GSIC and Part 213 RBSL. Napthalene was detected above the Part 201 GSIC and Part 213 RBSL.

AMERICAN METALS AND PLASTICS, INC. (AMPI)

NPDES COC and Associated Documentation

A NPDES COC for the AMPI site located at 450 32nd Street SW in Wyoming, Michigan was reviewed by CRA. According to the COC, AMPI is authorized to discharge an unspecified amount of stormwater, which meets the criteria established in General Permit No. MIS110000. The discharge is from the Site located at 450 32nd Street SW and the discharge is to Plaster Creek. It should be noted that the AMPI site first discharges to the Cole Drain, located directly to the east of the AMPI site and eventually into Plaster Creek. The COC was issued on May 11, 2006 and was effective immediately. The COC expires on April 1, 2011. Previous COCs were issued on April 1, 2001, March 13, 2000, and December 2, 1994 for the Site under the General NPDES Permit.

Letter to AMPI from MDEQ, August 10, 1998

A letter to AMPI from the MDEQ, dated August 10, 1998 was reviewed by CRA. The letter identified deficiencies in reporting compliance with particular requirements of the NPDES General Permit for the Site including:

- Part I B.2 of the General Permit which states that a certified stormwater operator will be in place within one year of the COC for the permit;
- Part I B.2.b. of the General Permit states that a Stormwater Pollution Prevention Plan (SWPPP) will be developed within 18 months of the effective date of the COC. According to the letter, the district supervisor had not received the SWPP at the time of the letter;
- Part I B.2.b. of the General Permit also states that all non-stormwater discharges have been covered under a separate NPDES permit or eliminated or an application has been filed for coverage under a separate permit. According to the letter, the district supervisor had not received the information at the time of the letter;

- Part I B.2.c. of the General Permit states that implementation of the non-structural requirements of the permit will have been completed within two years of the effective date of the COC. According to the letter, the district supervisor had not received this certification at the time of the letter;
- Part I B.2.d. of the General Permit states that the permittee will have completed the construction of and put into operation all structural stormwater pollution controls at the Site within three years of the effective date of the COC. According to the letter, the district supervisor had not received certification that the structural controls were implemented at the time of the letter; and
- Part I B.4. of the General Permit states that failure to comply with schedules of the permit and certification requirements constitutes a violation of the permit.

Letter to AMPI from MDEQ, February 12, 2004

A letter to AMPI, dated February 12, 2004 was available for review by CRA. The letter summarizes the findings of a stormwater permit compliance inspection conducted on August 5, 2003 by the MDEQ. The following observations were made during the inspection:

- Finished and partially finished products, pallets, racks, and baskets and used equipment were observed to be stored outside and exposed to stormwater runoff. The AMPI site's SWPPP should contain control measures for all identified process materials or residuals associated with the process materials that are exposed to stormwater runoff to ensure that stormwater discharges are not negatively impacted by the presence of these materials;
- Catch basins located between the main building and the south annex of the building were plugged with a dark and thick substance. It was recommended that the substance be removed and the catchbasins should be cleaned per acceptable housekeeping standards; and
- The facility's SWPPP was found to be incomplete in that the AMPI site map did not fulfill all of the minimum requirements; the preventative measures and source controls were not implemented and developed as required; and the documentation of the applicable reviews of the SWPPP were not available for review by the MDEQ upon request.

Letter to MDEQ from AMPI, April 15, 2004

A letter to Mr. Mike Worm of the MDEQ-WB, dated April 15, 2004, was available for review by CRA. The letter was written in response to comments presented in the letter from the MDEQ to AMPI, dated February 12, 2004 regarding stormwater permit compliance. The responses to the comments are summarized as follows:

- AMPI contracted Fishbeck Thomson, Carr & Huber, Inc. (FTC&H) to update AMPI's SWPPP for the site and insure that control measures are in place to ensure that any item stored outside are free of particulate matter and residues that may impact stormwater;
- The dark substances observed on the catch basins were determined to be dust and sediment that had collected over time. The catch basins were cleaned and control measures were implemented to ensure that the area is swept and cleaned regularly; and
- The SWPPP would be updated, including the site map, to ensure significant materials are prevented from contacting stormwater. FTC&H would serve as the site's certified stormwater operator and will conduct semi-annual stormwater inspection and provide an annual review of the SWPPP.

Letter to AMPI from MDEQ, November 9, 2006

A letter to AMPI, dated November 9, 2006, was available for review by CRA. The letter summarizes the findings of a stormwater permit compliance inspection conducted on November 2, 2006 by the MDEQ. The following observations and recommendations were made by the MDEQ during the inspection:

- The system of dikes to contain stormwater in the outside storage area and direct it to a catch basin inside an enclosure should be monitored during heavy rainfall events to assure it is functioning as intended;
- The flow from the catch basin located adjacent to the die storage rack outside the diked area should be inspected and confirmed to discharge to the catch basin in the enclosure. Periodic inspections of the catch basins should be included in the SWPPP;
- No contaminants were observed at the stormwater outfalls to the vegetated ditch along US 131; and
- Additional information is required to complete the SWPPP.

Letter to MDEQ from AMPI, December 8, 2006

A letter to Mr. Ryan Grant of the MDEQ, dated December 8, 2006, was available for review by CRA. The letter was written in response to comments presented in the letter from the MDEQ to AMPI, dated November 9, 2006 regarding stormwater permit compliance. The responses to the comments are summarized as follows:

- AMPI agreed to monitor the catch basin collection system during heavy rainfall events and cut a large opening in the bottom of the enclosure to prevent stormwater from heavy rain events from backing up and overflowing the enclosure. Monthly

inspections of the oil-water separator were added to the preventative maintenance program of the SWPPP;

- AMPI completed an inspection of the catch basin adjacent to the die storage rack, including securing drawings of the system design from MacDonald Plumbing. Based on review of the design drawings, the catch basin is not connected to the catch basin in the enclosure, but is connected to other catch basins located in the driveway to the east. Also, the oil-water separator discharges to the sanitary sewer system and not the stormwater sewer system; and
- FTC&H is currently finalizing the SWPPP for AMPI, which should have been finalized by January 1, 2007 and submitted to the MDEQ.

440 32nd STREET SW

Letter from the Kent County Health Department Regarding Improper Disposal of Cutting/Cooling Oil at 440 32nd Street SW, October 6, 1986

A letter to Mr. David Potts of Metal Source Company, located at 440 32nd Street SW in Wyoming, Michigan, from the Kent County Health Department (KCHD) was available for review by CRA. Based on review of the letter, the KCHD conducted an investigation of a report of the improper disposal of cutting/cooling oil at the site. The inspection confirmed that oil saturated soils were present at the southwest corner of the building as a result of oil and oil soaked metal cuttings bypassing the metal shaving recovery system, being deposited on the roof by recovery system exhaust fans, and flowing down the roof and side of the building to the soil below. Per discussions with the site, the situation would be corrected and following necessary repairs, the metal shaving recovery system would be changed to have a covered 55-gallon drum receive oil from a properly vented duct extension. Furthermore, the oil stained soil would have to be removed from the site and disposed of at a licensed Type II landfill.

Groundwater flow direction from both the Grand Rapids Metal Plant and the property located at 425 36th Street SW are in a northwest and northeast direction, respectively, towards the Cole Drain. Based on groundwater flow data to date, the Cole Drain appears to be a gaining stream with groundwater flowing to the northwest and northeast towards the drain from the east and west sides of the drain respectively.

Based on the review of available information obtained from the FOIA request, it appears that there has been a former source of xylenes and naphthalene at the Price & Company Site (formerly Wyoming Warehouse Inc.). Xylenes, phenanthrene and naphthalene were identified in groundwater at concentrations above the current Michigan Act 451, Part 201 GSI Criteria. It should be noted that groundwater and soil samples were not analyzed for a full TCL VOC scan, which includes chlorinated VOCs. Selected excavation was conducted at the source area of the xylene, phenanthrene and naphthalene impacts as part of a UST removal.

Additionally, in 1986, oil-saturated soils were present at the property at 440 32nd Street SW. The oil was associated with cutting oils and coolants from a metals shavings recovery system. No further information regarding this release was available in the files reviewed.

Based on the review of available documentation, CRA provided the following conclusions:

- Xylenes and naphthalene were detected in groundwater on the Price & Company (formerly Wyoming Warehouse, Inc.) property, located hydraulically downgradient of the Site with groundwater flow direction towards the Cole Drain to the northeast; and
- Oil-saturated soils were present at the property at 440 32nd Street SW in 1986. The oil was associated with cutting oils and coolants from a metals shavings recovery system and no further information was available regarding the nature of the impacted soil.

Semi-Annual Groundwater Monitoring Report, CRA, March 3, 2010

A Semi-Annual Groundwater Monitoring Report was prepared by CRA and dated January 5, 2010. It should be noted that groundwater monitoring reports were prepared by various consultants and submitted to the DNRE on a quarterly or semi-annual basis for the period from 1989 to 2009.

The current semi-annual groundwater monitoring program conducted at the Site includes: the collection and analysis of groundwater/water samples for TCL VOCs from existing monitoring wells and culvert locations; the collection and analysis of groundwater samples from monitoring wells 85-3, 85-5B, 85-6, and 86-1 for TCL SVOCs; the measurement of static groundwater levels in all monitoring wells; and the measurement of free product levels in select Site monitoring wells.

The semi-annual groundwater monitoring event was conducted at the Site in October 2009. At that time, a total of 46 groundwater samples were collected from monitoring wells MW1-03 through MW7-03, MW8-04 through MW10-04, MW11S-05, MW11D-04, MW13-04 through MW15-04, MW17-06, 85-1, 85-2, 85-3, 85-5B, 85-6, 85-7, 86-1, 86-3, 87-1, 87-2, 87-4, 87-5, 87-8, 87-9, 87-10, 87-11, 87-13, 88-2, 88-3, 88-4, purge well 86-2, and from culvert locations C-1, C-2, and C-3 between October 6, 2009 and October 8, 2009 for analysis of TCL VOCs. In addition, samples collected from monitoring wells 85-3, 85-5B, 85-6, and 86-1 were analyzed for TCL SVOCs.

Based on analytical data reviewed, TCE was detected above Part 201 GRCC in the groundwater samples collected from MW1-03, MW17-06, 86-2, 87-1, 87-2, 87-4, 87-10, and 87-11. TCE was also detected in the samples collected from 85-2, 85-3, 85-7, 86-3, 87-5, 87-9, 87-13, MW4-03, MW5-03, MW7-03, MW8-04, MW9-04, MW10-04, MW11D-04, MW14-04, MW11S-05, and MW15-04; however, the concentrations were

below the Part 201 GRCC. PCE was detected above Part 201 GRCC in the groundwater samples collected from MW1-03, MW2-03, and MW17-06. PCE was also detected in the samples collected from 85-3, 85-6, 87-8, 87-10, MW3-03, MW4-03, MW5-03, MW9-04, and MW11D-04; however, the concentrations were below the Part 201 GRCC. Cis-1,2-DCE was detected in the samples collected from the following wells: 85-1, 85-3, 85-5B, 85-7, 86-3, 87-1, 87-2, 87-9, 87-10, 87-11, and MW17-06; however, the concentrations were below the Part 201 GRCC. Vinyl chloride was detected above the Part 201 GRCC in the groundwater samples collected from 87-1, 87-2, 87-5, and 87-11. VC was also detected in the groundwater sample collected from 85-1; however, the concentration was below the Part 201 GRCC.

1,1,1-TCA, 1,1-DCA, 1,1-DCE, acetone, 2-butanone, bromodichloromethane, carbon disulfide, chloroform, 1,3-dichlorobenzene, dibromochloromethane, ethylbenzene, isopropylbenzene, MTBE, trans-1,2-DCE, trichlorofluoromethane, and total xylenes were also detected in groundwater at the Site; however, the concentrations were below the Part 201 GRCC.

Prior to groundwater sample collection, static water levels and free product levels were measured to the top of each riser. No measurable free product was detected in monitoring wells 85-3, 85-5B, 85-6, or 86-1 during the October 2009 semi-annual sampling event. The groundwater flow direction for October 6, 2009 was to the north-northwest, toward Cole Drain and consistent with previous events.

Copies of the aforementioned reports are presented in Appendix D.

Based on CRA's review of the previous environmental investigations it appears known or suspect environmental concerns are present at the Site. The environmental concerns identified during the course of this Phase I ESA are discussed in detail in Section 7.0.

4.1.2 Historic Map Review

Sanborn Fire Insurance Maps assist in the identification of historical land use and commonly indicate the existence and location of aboveground and underground storage tanks, structures, improvements, and facility operations. Sanborn maps were available for portions of the Site and portions of the surrounding properties and were reviewed by CRA for the years 1950, 1953, 1966, and 1985. Copies of available Sanborn maps are provided in Appendix E.

On the 1950 Sanborn maps, the main portion of the Site is identified as the Grand Rapids Stamping Division, General Motors Corporation, Metal Stamping. The Main Manufacturing Building is identified. A transformer house (the former Switch House) is identified to the northwest of the Main Manufacturing Building. The pump house for the former on-Site water supply well and former AOF House (identified as Acetylene Plant) are present to the west of the Main Manufacturing Building. The former Power House is present to the west of the Main Manufacturing Building, with an ash pit shown at the southeast corner of the Power House. An open coal dock, with a concrete floor and concrete retaining wall, are shown to the south of the former Power House. A spray

booth is identified in the southeastern corner of the Main Manufacturing Building. Railroad sidings enter the Site from the west, three of which run along the western side of the Main Manufacturing Building to the AOF House, the west side of the Main Manufacturing Building, and into the southwestern corner of the Main Manufacturing Building. 36th Street SW (Allen Road SW) is present adjacent to the north of the Main Manufacturing Building. Buchanan Avenue SW is present adjacent to the east of the Main Manufacturing Building. Properties to the east of the Site across Buchanan Avenue SW include: Air Reduction Company (manufacturer of oxygen) is present at 3700 Buchanan Avenue SW, which includes a “gasometer” and buried oil tank; a paint shop is present at 3818 Buchanan Avenue SW; auto repair facilities are present at 3826 and 3846 Buchanan Avenue SW; a heat treating facility is present at 3832 Buchanan Avenue SW; a cement factory is present at 3840 Buchanan Avenue SW; an aluminum foundry is present at 3841 Opal Avenue SW; a machine shop is present at 3890 Buchanan Avenue SW; and residential dwellings. No Sanborn coverage is available for the properties to the south of the Site, to the north of 36th Street SW, or to the west of the main portion of the Site (including the Clay Avenue parking lot). Additional Sanborns have been ordered for the area to the northeast and southeast of the Site. Information from the additional Sanborns will be incorporated upon receipt.

On the 1953 Sanborn maps, the Site appears essentially unchanged from the 1950 Sanborn maps, with the exception that the former Baler House (identified as a warehouse on the Sanborn map) and the former Heat Treat Building (identified as a warehouse on the Sanborn map) have been constructed to the south and southeast of the Main Manufacturing Building. The adjacent properties to the east of the Site across Buchanan Avenue SW remain essentially unchanged from the 1950 Sanborn map, except for the following: a machine shop is present at 3800 Buchanan Avenue SW; a garage for trucks is present at 3840 Buchanan Avenue SW; and a spring factory is present at 3852 Buchanan Avenue SW. Multiple railroad tracks are present adjacent to the west of the main portion of the Site. No Sanborn coverage is available for the properties to the south of the Site, to the north of 36th Street SW, or to the west of the main portion of the Site (including the Clay Avenue parking lot). Additional Sanborns have been ordered for the area to the northeast and southeast of the Site. Information from the additional Sanborns will be incorporated upon receipt.

On the 1966 Sanborn maps, the Site remains essentially unchanged from the 1953 Sanborn map, with the following exceptions: a water tower is present to the northwest of the former Power House and west of the AOF House; a “FR water cooler” is located to the northwest of the former Power House; a 500,000-gallon reservoir and pump house (current 500,000-gallon fire suppression AST and West Fire Pump House) are located to the west-southwest of the former Power House; the former Baler House is correctly identified to the south of the Main Manufacturing Building; the former Heat Treat Building is no longer present to the east-southeast of the Main Manufacturing Building; an addition has been constructed on the southwestern portion of the Main Manufacturing Building; and an additional rail spur is present on the east side of the former Baler House. The adjacent properties to the east of the Site across Buchanan Avenue SW remain essentially unchanged from the 1953 Sanborn map, with the following exceptions: a filling station is present on the southeast corner of the intersection of 36th Street SW and

Buchanan Avenue SW at 144 36th Street SW; an auto repair shop is present at 3620 Buchanan Avenue SW; a wholesaler of welding supplies is present at 3700 Buchanan Avenue SW (the buried tank remains present); a truck garage is present at 3720 Buchanan Avenue SW; a motor freight station is present at 3740 Buchanan Avenue SW; a union hall is present at 3853 Buchanan Avenue SW; and a plumbing shop is present at 3900 Buchanan Avenue SW. Additional commercial/light industrial properties are present in the surrounding area to the east of the Site. No Sanborn coverage is available for the properties to the south of the Site, to the north of 36th Street SW, or to the west of the main portion of the Site (including the Clay Avenue parking lot). Additional Sanborns have been ordered for the area to the northeast and southeast of the Site. Information from the additional Sanborns will be incorporated upon receipt.

On the 1985 Sanborn maps, which are identified to not have been updated since November 1965, the Site and adjacent properties appear unchanged from the 1966 Sanborn maps. No Sanborn coverage is available for the properties to the south of the Site, to the north of 36th Street SW, or to the west of the main portion of the Site (including the Clay Avenue parking lot). Additional Sanborns have been ordered for the area to the northeast and southeast of the Site. Information from the additional Sanborns will be incorporated upon receipt.

4.1.3 Aerial Photograph Review

Aerial photographs assist in the identification of Site features and outdoor activities of potential environmental concern. Aerial photographs of the Site for the years 1938, 1939 to 1950 (exact date unknown), 1950 to 1954 (exact date unknown), 1960, 1967, 1978, 1993, 1997, and 2005 were available from EDR and were reviewed by CRA. In addition, historical aerial photographs were provided by the Site; however, dates were not available for the aerials. Based on the construction of the Main Manufacturing Building in the aerials, they appear to have been taken at varying dates between 1939 and 1954. Copies of available aerial photographs of the Site are presented in Appendix F. Following is a summary of observations based on the review of the aerial photographs.

The 1938 aerial photograph was reviewed at a scale of one inch equals 500 feet and depicts the southern portion of the Site as developed with the original Site structures, including the initial Main Manufacturing Building, the former Power House, the AOF House, the cooling water pond, the former Switch House, and various guard houses. A coal pile is present to the south of the former Power House. Railroad spurs enter the southwestern and southeastern portions of the building. Areas of surficial disturbance are present around the cooling pond, Power House, AOF House, and on the southern portion of the Site. The area immediately to the south of the Main Manufacturing Building is utilized for vehicle parking. The northern portion of the Site consists of vacant land with some residential structures. The western portion of the Site, beyond the railroad tracks, consists of cultivated agricultural land. Allen Road (currently 36th Street) is present traversing the northern portion of the Site. Buchanan Avenue is present to the east of the Site. 40th Avenue is present to the south of the Site. Railroad tracks and Cole Drain are present to the west of the Site. The areas to the north, south, east, and west of the Site

appear to be residential properties or cultivated agricultural land. Some commercial-type structures are present in the general vicinity of the Site.

The aerial photographs taken between 1939 and 1950 (based on facility construction) were reviewed at an unknown scale. Additions have been constructed on the Main Manufacturing Building. Exterior storage is present to the south of the former Power House and a drainage ditch appears to be present along the western side of the Site. A low-lying area and potential fill activities are noted to the south of the western portion of the Main Manufacturing Building. Areas of surficial disturbance are present on the western and southern portions of the main property. The western and northern portions of the Site appear essentially unchanged from the 1938 aerial photograph. The adjacent properties appear essentially unchanged from the 1938 aerial photograph, with the exception of the properties to the east of the Site, which have additional commercial-types structures present.

The aerial photograph taken between 1950 and 1954 (based on facility construction) was reviewed at an unknown scale. The former Baler House and former Heat Treat Building are present to the south of the Main Manufacturing Building, which has been expanded to include the 1950 addition. Exterior storage of materials is present to the south of the Main Manufacturing Building. A settling pond of some type is present to the north of the former Power House, northwest of the former AOF Building, and to the east of the cooling water pond. This level of the material in this pond appears to be lower topographically than the surrounding features. The adjacent properties to the south of the Site consist of residential and commercial-type structures and the adjacent properties to the north of the Site consist of residential-type structures. Residential-type and commercial-type structures are present on the northern portion of the Site. Various small structures are present to the west of the railroad tracks, on what may be a portion of the Site. Coverage was not available for the adjacent properties to the east of the Site on this aerial.

The 1960 aerial photograph was reviewed at a scale of one inch equals 500 feet and depicts the Site as further developed. Additions to the Main Manufacturing Building have occurred. The former Baler House is present to the southeast of the Main Manufacturing Building. The cooling water pond is no longer present. A large AST and small structure are present to the west of the former Power House. Exterior storage is present on the southwestern portion of the Site, which appears to be on an unpaved surface. Storage is also present to the southeast and west of Main Manufacturing Building. The southeastern portion of the Site is a parking lot. The western portion of the Site, beyond the railroad tracks, includes vacant and wooded land, with some small structures and low-lying areas. The northern portion of the Site consists of vacant land and some residential-type structures. The adjacent property to the north of the Site appears to be used as a baseball diamond. Residential properties are present to the northeast of the Site. The properties to the east of the Site appear to consist of a mixture of residential and commercial/small industrial properties. The adjacent properties to the south of the Site are residential in nature. The adjacent properties to the west of the Site include vacant and wooded land, with some small structures. Clay Avenue and U.S. 131 have been constructed to the west of the Site.

The 1967 aerial photograph was reviewed at a scale of one inch equals 500 feet and depicts the main portion of the Site as having an addition to the southeastern portion of the Main Manufacturing Building. The former Baler House is still present, with the current Baler House present as well, to the southeast of the Main Manufacturing Building. The southwestern and majority of the western portion of the property continues to be used for exterior storage. A water tower and cooling tower have been constructed to the northwest of the former Power House. Parking is conducted on the northwestern and southeastern portions of the main portion of the Site. The northern portion of the Site consists of vacant land and some residential/small commercial-type structures. Areas of surficial disturbance and potential stockpiling/filling are present on the western portion of the Site, with some small structures present. The properties to the north of the Site consist of a park with a baseball diamond and residential properties. The adjacent properties to the east of the Site consist of residential and commercial/small industrial properties. The adjacent properties to the south of the Site consist of residential properties. The adjacent properties to the west of the Site appear to be under development, with areas of surficial disturbance and some commercial-type structures present.

The 1978 aerial photograph was reviewed at a scale of one inch equals 600 feet and depicts the main portion of the Site as having an addition to the southeastern portion of the Main Manufacturing Building. The former Power House, Acetylene Building, cooling tower, and coal pile are no longer present to the west of the Main Manufacturing Building. The Rack Make Up Building has been constructed to the west of the Main Manufacturing Building. The western and southern portions of the Site are utilized for exterior storage. The current Power House has been constructed to the south of the Main Manufacturing Building. The northern portion of the Site is utilized as a parking lot. The employee parking lot and stormwater pond have been constructed on the western portion of the Site. The adjacent properties to the north of the Site continue to be utilized as a park and residential properties. The adjacent properties to the east of the Site continue to be residential and commercial/small industrial in nature. The adjacent properties to the south of the Site continue to be residential in nature. The adjacent properties to the west of the Site appear to be commercial and small industrial properties.

The 1993 aerial photograph was reviewed at a scale of one inch equals 600 feet and depicts the main portion of the Site as having additions to the eastern and southern portions of the Main Manufacturing Building. The overhead employee trestle has been constructed from the western portion of the Site to the main portion of the Site and from the northern portion of the site to the main portion of the Site, from each of the employee parking lots. The fire pump house and tank on the southeastern portion of the property are present. Additional smaller structures/features have been constructed on the southern portion of the Site; however, the quality of the aerial does not allow for full evaluation. The northern portion of the Site appears essentially unchanged from the 1978 aerial photograph. The adjacent properties appear essentially unchanged from the 1978 aerial photograph.

The 1997 aerial photograph was reviewed at an unknown scale and depicts the Site and adjacent properties as essentially unchanged from the 1993 aerial photograph. The water

tower has been removed from the western portion of the Site. The Site appears to be in its current configuration.

The 2005 aerial photograph was reviewed at a scale of one inch equals 505 feet and depicts the Site as and the surrounding area to be essentially the same as shown in the 1997 aerial photograph.

4.1.4 City Directories

City directories assist in the identification of Site and surrounding property usage based on the names of occupants listed for the Site and surrounding property addresses. A review of available city directories was completed by EDR from the earliest available record to the present. Available directories were reviewed by EDR for the Site address of 300 36th Street SW at approximately five-year intervals starting in 1914 and ending in 2009. 300 36th Street SW was not listed in the 1914, 1919, 1923, 1928, 1932, 1933, or 1943 city directories. It should be noted that 36th Street was historically known as Allen Road SW and that the Site historically covered a range of addresses from 200 to 400 36th Street SW. Additional city directories have been ordered for the Site address of 3838 Clay Avenue SW. Information from these city directories will be incorporated upon receipt. The following occupants were reported during the specified time period for the Site addresses.

<u><i>Date</i></u>	<u><i>Address</i></u>	<u><i>Listed Business Entity</i></u>
1928	229 36 th Street SW	Residential
	245 36 th Street SW	Residential
	255 36 th Street SW	Residential
1933	205 36 th Street SW	Residential
	207 36 th Street SW	Residential
	209 36 th Street SW	Residential
	229 36 th Street SW	Residential
	239 36 th Street SW	Residential
	255 36 th Street SW	Residential
	263 36 th Street SW	Residential
1938	205 36 th Street SW	Residential
	207 36 th Street SW	Residential
	209 36 th Street SW	Residential
	229 36 th Street SW	Residential
	239 36 th Street SW	Residential
	241 36 th Street SW	Andrew Kacos (restr.)
	255 36 th Street SW	Residential
	263 36 th Street SW	Residential

1938	300 36 th Street SW	General Motors Corp. GR Stamping Div.
1948	209 36 th Street SW	Residential
	229 36 th Street SW	Leta Louks (restr.)
	239 36 th Street SW	Vacant
	241 36 th Street SW	Andrew Kacos (restr.)
	255 36 th Street SW	Residential
	259 36 th Street SW	Residential
	300 36 th Street SW	Fisher Body Div General Motors Corp.
	333 36 th Street SW	Helmus Garage & Body Shop
1953	209 36 th Street SW	Residential
	229 36 th Street SW	Leta Louks (restr.)
	236 36 th Street SW	Residential
	237 36 th Street SW	Campbell's Cafeteria
	255 36 th Street SW	Residential
	259 36 th Street SW	Residential
	300 36 th Street SW	Fisher Body Div General Motors Corp.
	333 36 th Street SW	Helmus Garage & Body Shop
1957	209 36 th Street SW	Residential
	229 36 th Street SW	Gem Restr.
	237 36 th Street SW	Vacant
	263 36 th Street SW	Residential
	300 36 th Street SW	Fisher Body Div General Motors Corp.
	333 36 th Street SW	Helmus Garage & Body Shop
1961	209 36 th Street SW	Residential
	229 36 th Street SW	Gem Restr.
	263 36 th Street SW	Residential
	300 36 th Street SW	Fisher Body Div. General Motors Corp.

1961	333 36 th Street SW	G.R. Plant No. 1 Helmus Garage & Body Shop
1966	229 36 th Street SW 300 36 th Street SW 333 36 th Street SW	Vacant Store Fisher Body Div. General Motors Corp. G.R. Plant No. 1 Helmus Garage & Body Shop
1971	229 36 th Street SW 300 36 th Street SW 333 36 th Street SW	Raenell Press (printers) Fisher Body Div. General Motors Corp. G.R. Plant No. 1 (auto parts mfrs.) Fisher Body (parking lot)
1975	229 36 th Street SW 300 36 th Street SW 333 36 th Street SW	Raenell Press (printers) Fisher Body Div. General Motors Corp. G.R. Plant No. 1 (auto parts mfrs.) Fisher Body (parking lot)
1980	229 36 th Street SW 300 36 th Street SW 333 36 th Street SW	Vacant Fisher Body Div. General Motors Mtl. Fab. Plnt. (auto parts mfrs.) Fisher Body (parking lot)
1985	229 36 th Street SW 300 36 th Street SW 333 36 th Street SW	Residence Fisher Body Div. General Motors Mtl. Fab. Plnt. (auto parts mfrs.) Fisher Body (parking lot)
1990	300 36 th Street SW	Chevrolet Pontiac Canada Group Div. General Motors

1990	333 36 th Street SW	(auto parts mfrs.) CPC Group (parking lot)
1995	300 36 th Street SW	Cadillac Luxury Car Division (auto parts mfrs.)
	333 36 th Street SW	CLCD (parking lot)
1999	300 36 th Street SW	Electronic Data Systems Corp. (data proc.) General Motors Corp. (mrt. vhcl. prts. acc.) Restaura (eating place) United Auto Aerospace Agriculture (labor org.)
2004	300 36 th Street SW	EDS Corp. (nonclassified) General Motors Corp. (auto stampings) Regional Personnel Workers Com (consultants) UAW-GM Stamping (labor org.)
2009	300 36 th Street SW	American Food & Vending (vending mach.) EDS (internet serv.) GM Grand Rapids Metal Ctr. (auto stampings) IV, Inc. (unclassified) Regional Personnel Workers Com (consultants) UAW-GM Stamping (labor org.)

A city directory search was also conducted for the properties surrounding the Site on 36th Street SW, 36th Street SW (a/k/a Allen Road SW) and Buchanan Avenue SW at approximately five-year intervals starting in 1914 and ending in 2009. 36th Street SW was not listed in the 1914, 1919, 1923, or 1943 city directories. 36th Street SW (a/k/a Allen Road SW) was not listed in the 1914, 1919, or 1923 city directories. Additional city directories have been ordered for properties along Clay Avenue SW and Buchanan

Avenue SW and will be incorporated upon receipt. The following properties were reported along the aforementioned road during the specified time periods:

<u>Date</u>	<u>Address</u>	<u>Listed Business Entity</u>
1933	415 36 th Street SW	Residential
1938	415 36 th Street SW	Residential
	416 36 th Street SW	Residential
	3636 Buchanan Avenue SW	Don's Service Sta. (filling station)
1948	211 36 th Street SW	UAW (CIO) Local 730
	415 36 th Street SW	Albert G. Hooyer (mkt. gardener)
	416 36 th Street SW	Residential
	3636 Buchanan Avenue SW	John Marsman (filling station)
1953	211 36 th Street SW	UAW (CIO) Local 730
	415 36 th Street SW	Residential
	416 36 th Street SW	Residential
	3565 Buchanan Avenue SW	Moorhead Standard Service (gas station)
	3636 Buchanan Avenue SW	Hydraulic Jack Serv. Co. (machy)
1957	211 36 th Street SW	Stampers Federal Credit Union
	415 36 th Street SW	Residential
	3565 Buchanan Avenue SW	Luke's Standard Service (gas station)
	3636 Buchanan Avenue SW	Hydraulic Jack Serv. Co. (machy)
1961	211 36 th Street SW	Stampers Federal Credit Union
	3565 Buchanan Avenue SW	Lang's Standard Service (gas station)
	3636 Buchanan Avenue SW	Meyer Hydraulics

1966	211 36 th Street SW	Stampers Federal Credit Union
	3565 Buchanan Avenue SW	Lang's Standard Service (gas station)
	3636 Buchanan Avenue SW	Lang's Carburetor Service (auto repairs)
1971	211 36 th Street SW	Stampers Federal Credit Union
	3565 Buchanan Avenue SW	Groen's Car Care Center (gas station)
	3636 Buchanan Avenue SW	Lang's Carburetor Service (auto repairs) Norm's Auto Service (auto repairs)
1975	211 36 th Street SW	Stampers Federal Credit Union
	3565 Buchanan Avenue SW	Lang Service Center (gas station)
	3636 Buchanan Avenue SW	Lang's Carburetor Service (auto repairs)
1980	211 36 th Street SW	Stampers Federal Credit Union
	3565 Buchanan Avenue SW	Vacant
	3636 Buchanan Avenue SW	Jack's Tune-Up Service (auto repairs)
1985	211 36 th Street SW	Stampers Federal Credit Union
1990	211 36 th Street SW	Stampers Federal Credit Union
1995	211 36 th Street SW	Stampers Federal Credit Union
	3636 Buchanan Avenue SW	Tint Factory (window tinting)

1999	211 36 th Street SW	Stampers Federal Credit Union
	3636 Buchanan Avenue SW	Tint Factory (auto svcs.)
2004	211 36 th Street SW	Stampers Federal Credit Union
	3636 Buchanan Avenue SW	All Car Wrecker Svc. Tint Factory (glass coating and tinting)
2009	3636 Buchanan Avenue SW	Grand Rapids Solar Control (glass coating & tinting) Tint Factory (glass coating and tinting)

A copy of the city directory search results are presented in Appendix G.

4.1.5 Historical Topographic Maps

Historical topographic maps were reviewed to assist in the identification of historical land use, to document the general development of the Site and properties in the vicinity of the Site, and to identify potential on-Site fill activities. Historical topographic maps of the Site and surrounding areas for the years 1914, 1967, 1972 (photorevised from 1967), 1981 (photorevised from 1967), and 1996 were available from EDR and were reviewed by CRA. The historical topographic maps were reviewed at a scale of 1:24,000, with the exception of the 1914 topographic map, which was reviewed at a scale of 1:62,500. Following is a summary of observations based on review of the historical maps.

The 1914 topographic map depicts the Site as primarily vacant land, with numerous residential-type structures identified along the east side of the Site. Buchanan Avenue is present to the east of the Site. Allen Road (currently 36th Street SW) traverses the northern portion of the Site, with vacant land and residential-type structures located beyond. Goodwin School, "Old Fairground" and residential-type structures are identified to the northeast of the Site. Residential-type structures and vacant land are identified to the east of the Site, beyond Buchanan Avenue. Vacant land is identified to the south of the Site. Railroad tracks are depicted to the west of the Site, with vacant land and a cemetery located beyond.

The 1967 topographic map depicts the Site as having a portion of the manufacturing building present. A water tower and two smaller structures are present near the northwest

corner of the main building. The former Baler House is present to the southeast of the main building, with the current Baler House located further to the south. A roadway enters the Site from the northwest corner, runs due south along the western side of the main building, and turns east along the southern boundary of the main building. Railroad spurs enter the Site from the south and enter the southwestern and southeastern portions of the building. Commercial-type structures are identified to the east of the Site, beyond Buchanan Avenue. The 32nd Street Park is identified to the north of the Site. Cole Drain, to the north of the Site in the 32nd Street Park, is depicted as flowing through the central portion of the park. The “Old Fairground” is no longer present to the northeast. No additional structures are identified to the east, south and north of the Site, with the Site and the surrounding area is identified as developed; however, due to the density of the structures, the size of the Site and the scale of the topographic map, smaller individual structures are not shown. Additional railroad tracks are present to the west of the Site, with several small structures identified beyond. Clay Avenue and U.S. 131 have been constructed further to the west.

The 1972 topographic map depicts the Site as essentially unchanged from the 1967 topographic map, with the exception that the current Power House has been constructed to the south of the Main Manufacturing Building, along with the WWTP. An additional railroad spur is identified between the two new structures. Additional commercial development has occurred to the west and northwest of the Site. The northern portion of the Site is identified as vacant land. The portion of Cole Drain that runs through the 32nd Street Park has been re-routed to its current course and the football field stands have been constructed. The adjacent and surrounding properties to the east and south of the Site appear essentially unchanged from the 1967 topographic map.

The 1981 topographic map depicts the Site as having additions to the western and southeastern portions of the Main Manufacturing Building. Additional structures have been constructed on the southern portion of the Site, in the area of the Staging Building; however, the configuration of the structures does not match facility construction records or aerial photographs reviewed. Two small structures have been constructed on the adjacent property to the northern portion of the Site. Additional commercial and industrial-type structures have been constructed in the surrounding area.

The 1996 topographic map depicts the Site and adjacent and surrounding properties as essentially unchanged from the 1981 topographic map.

It should be noted that topographic maps do not always accurately depict Site structures and development as of the date of the map.

No areas of concern indicative of potential environmental impact to the Site were observed on the historical topographic maps reviewed.

Copies of available historical topographic maps of the Site are presented in Appendix H.

4.1.6 Building/Planning Departments

CRA looked up property information on the City of Wyoming Assessor's website to review available information for the Site. Property information is presented in Section 2.1.

CRA submitted a FOIA request to the City of Wyoming Building and Planning Departments for the Site addresses of 229, 300, and 301 36th Street SW and 3838 Clay Avenue SW, Wyoming, Michigan. Environmental records associated with utilities (i.e. septic systems, wells, etc.), hazardous and solid waste, water, air, remediation, emergency responses, spills/releases, underground and aboveground storage tanks were requested.

Information received from the City of Wyoming Building and Planning Departments for the Site addresses of 229, 300, and 301 36th Street SW and 3838 Clay Avenue SW, Wyoming, Michigan will be incorporated upon receipt.

It should be noted that summarized information received from the agency is not intended to be all inclusive of the complete files obtained from the agency; only to briefly summarize significant findings.

4.1.7 Additional Record Sources

No additional historical record sources were utilized by CRA during the preparation of this Phase I ESA, other than those described above and throughout the remainder of this report.

4.1.8 Summary of Historical Information

Based on the review of Sanborn maps, city directories, aerial photographs, and topographic maps, the majority of the Site has been operated as a metal stamping facility since 1936, with prior activities consisting of residential, commercial (body shop, printing shop and restaurants), and agricultural use. Potential filling activities were noted in aerial photographs reviewed, along with the presence of a sludge pond and exterior storage of materials.

Based on CRA's review of the historical records, it appears known or suspect environmental concerns were historically present at the Site. The environmental concerns identified during the course of this investigation are discussed in detail in Section 7.0.

4.2 Historical Use Information on Adjoining Properties

A review of select Sanborn maps, city directories, aerial photographs and topographic maps indicate that the adjoining and surrounding properties have historically been used for a mixture of residential, agricultural, recreational, commercial, and industrial purposes, as discussed above.

Based on CRA's review of the historical records it appears known or suspect environmental concerns were historically associated with the eastern and western adjacent properties. The environmental concerns identified during the course of this investigation are discussed in detail in Section 7.0.

4.3 Physical Setting

4.3.1 Geology

4.3.1.1 Surface Features

According to the Grand Rapids West, Michigan USGS 7.5 minute quadrangle, the Site is located approximately 672 feet above mean sea level (AMSL), with regional elevations ranging from 650 to 690 feet AMSL. The Site and surrounding area display gently rolling to relatively flat topographical features, with local topography sloping towards Cole Drain and Plaster Creek.

4.3.1.2 Subsurface Features

Kent County is situated in an area near the southwestern margin of the Michigan Basin, in the Southern Upland physiographic region. Marshall Sandstone bedrock underlies all of Kent County and is Paleozoic in age from the Mississippian period. The Marshall Sandstone bedrock is overlapped by the Michigan Formation. The Michigan Formation consists primarily of limestone, gypsum, and dolomite, interbedded with shale and sandstone. To the northeast, the Marshall Sandstone and Michigan Formation are progressively overlain by Bayport Limestone, Parma Sandstone, and then the Saginaw Formation. Overlying these rocks is a mass of glacial drift from the Wisconsin Glacial stage consisting of moraines and former sand lake beds with thicknesses of less than ten feet to several hundred feet. The glacial drift is characterized by ranges of materials from coarse gravel to fine lacustrine clays. The outwash is underlain by a clay layer that has been observed to generally slope to the west-northwest at a gradient of approximately 1 foot in 15 feet. Bedrock in the area of the Site is encountered at approximately 100 feet bgs.

Based on the review of the Kent County Soil Survey, surficial soils at the Site consist of Urban land – Cohoctah complex, Urban land, and Urban land – Spinks complex (0 to 8 percent slopes).

Information regarding the geologic conditions at the Site was collected during previous environmental investigations. Numerous soil borings were installed at the Site between 1981 and 2010. Based on observations during the previous investigations, the overburden at the Site consists of a sand and/or clay surficial layer containing various amounts of sand and gravel, underlain by interbedded layers of silt and clay material. Bedrock was not encountered during any of the environmental investigations conducted to date.

4.3.2 Hydrology

4.3.2.1 Surface Water

The Site is located within the Lower Grand River drainage basin and the Plaster Creek watershed. The Lower Grand River drainage basin covers 3,020 square miles and includes the Rogue River, the Flat River, and the Thornapple River, which flow into the Grand River. Other tributaries to the Lower Grand River drainage basin include the Coldwater River, Buck Creek, Hager Creek, Sand Creek, Spring Creek, and Plaster Creek. The Plaster Creek watershed covers 58 square miles. Land use in the watershed consists in general of agricultural and urban use with other areas being forested or open land. Plaster Creek is located north of the Site across 36th SW Street.

The Plaster Creek watershed meets the designated use for agriculture, is threatened for partial body contact, and is impaired for a warm water fishery, other indigenous aquatic life and wildlife, and total body contact recreation. The known stressors include sedimentation, nutrient loading, and *Escherichia coli* (*E. coli*) bacteria. The suspected stressors include thermal pollution and toxic substances.

A stormwater retention pond is located on Site, and discharges to Cole Drain, under a NPDES permit. There are no natural surface water bodies on the Site. The nearest natural surface water body to the Site is the Cole Drain, which is present as an open drainage ditch along the northwest side of the Site and flows north. Cole Drain discharges to Plaster Creek, which is part of the Lower Grand River drainage basin, and ultimately discharges to Lake Michigan.

4.3.2.2 Groundwater

Shallow groundwater in this area of Kent County is generally encountered at less than 20 feet bgs. Groundwater flow is influenced by local topography and surface water drainage ways, such as creeks and streams.

Bedrock aquifers near the Site include, in descending order, the Bayport Limestone, the Michigan Formation, and the Marshall Sandstone. Elevated concentrations of naturally occurring sulfate, cadmium, and bicarbonate limit the use of the Bayport Limestone aquifer as a drinking water supply. The Michigan Formation aquifer generally yields only small quantities of poor quality groundwater. The deepest regional aquifer, the Marshall Sandstone aquifer, provides large quantities of better quality groundwater. Groundwater flow in the Bayport Limestone bedrock aquifer in the area is generally uniform and to the southeast.

Based on previous investigations conducted at the Site, shallow groundwater flow at the Site is to the north-northwest.

4.4 Standard Environmental Record Sources – Federal and State

CRA contracted 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 within a half-mile expanded radius to the approximate minimum search distances as specified in ASTM Standard Practice E 1527-05, “Phase I Environmental Site Assessment Process” to account for the size of the Site. The database search is provided as Appendix I.

Review of the EDR report revealed the following pertinent information.

Database	Search Radius	Site	0 – 1/8 mile	1/8 – 1/4 mile	1/4 - 1/2 mile	1/2 - 1 mile	< 1 mile
NPL (National Priority List)	1.5 mile	No	0	0	0	1	0
Proposed NPL	1.5 mile	No	0	0	0	0	0
NPL Liens (Federal Superfund Liens)	Site	No	0	0	NR	NR	0
Delisted NPL	1.5 mile	No	0	0	0	0	0
CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System)	1.0 mile	No	0	0	0	1	NR
Federal Facility	1.5 mile	No	0	0	0	0	0
CERCLIS-NFRAP (No Further Remedial Action Planned)	1.0 mile	No	0	0	0	2	NR
RCRA CORRACTS (Corrective Action Report)	1.5 mile	No	0	0	0	1	0
RCRA TSDF (Transporters, Storage, and Disposal Facilities)	1.0 mile	No	0	0	0	0	NR
RCRA-LQG Generator	Site/Adjacent Property	No	0	0	0	2	NR
RCRA-SQG Generator	Site/Adjacent Property	Yes	0	1	0	2	NR
RCRA-CESQG Generator	Site/Adjacent Property	No	0	4	7	8	NR
RCRA-Non Generator (Non-Gen)	Site/Adjacent Property	No	0	3	9	8	NR
US Engineering Controls	1.0 mile	No	0	0	0	1	NR
US Institutional Controls	1.0 mile	No	0	0	0	1	NR
ERNS (Emergency Response)	Site	Yes	1	1	1	NR	NR

Database	Search Radius	Site	0 – 1/8 mile	1/8 – 1/4 mile	1/4 - 1/2 mile	1/2 - 1 mile	< 1 mile
Notification System)							
TRIS (Toxic Chemical Release Inventory System)	Site	Yes	0	0	0	NR	NR
Superfund (CERCLA) Consent Decrees (Consent)	1.5 mile	No	0	0	0	0	0
Records of Decision (ROD)	1.5 mile	No					
Department of Defense (DOD)	1.5 mile	No	0	0	0	0	0
Formerly Used Defense Sites (FUDS)	1.5 mile	No	0	0	0	0	0
CERCLA Lien Information (LIENS 2)	Site	No	0	0	0	NR	NR
SHWS (Contaminated Sites)	1.5 mile	Yes	0	0	0	6	NR
State & Tribal SWF/LF (Solid Waste Facilities Database)	1.0 mile	No	0	0	0	0	NR
State LUST (Leaking Underground Storage Tank Sites)	1.0 mile	No	0	1	6	15	NR
State USTs (Underground Storage Tanks)	Site/Adjacent Property	Yes	1	5	8	17	NR
State ASTs (Aboveground Storage Tanks)	Site/Adjacent Property	Yes	0	1	2	2	NR
Indian LUST	1.0 mile	No	0	0	0	0	NR
Indian UST	Site/Adjacent Property	No	0	0	0	0	NR
Indian Reservations	1.5 mile	No	0	0	0	0	0
State & Tribal Brownfields	1.0 mile	No	0	0	0	2	NR
US Brownfields	1.0 mile	No	0	0	0	0	NR
HIST LF (Inactive Solid Waste Facilities)	1.0 mile	No	0	0	0	0	NR
US CDL (Clandestine Drug Labs)	Site	No	0	0	0	NR	NR
DEL SHWS (Delisted List of Contaminated Sites)	1.5 mile	No	0	0	0	0	4
DRYCLEANERS (Dry-cleaning Establishment)	0.75 mile	No	0	0	0	0	NR
NPDES (Active National Pollutant Discharge Elimination System)	Site	Yes	0	0	0	NR	NR
AIRS (Permit and Emissions Inventory Data)	Site	Yes	0	0	0	NR	NR
BEA (Baseline Environmental Assessment Database)	0.5 mile	No	0	0	5	NR	NR
Engineering and Institutional	1.0 mile	No	0	0	0	1	NR

Database	Search Radius	Site	0 – 1/8 mile	1/8 – 1/4 mile	1/4 - 1/2 mile	1/2 - 1 mile	< 1 mile
Controls (AUL)							
Spills	Site	Yes	0	2	1	NR	NR

4.4.1 Site

The Site address was identified on the following aforementioned federal and/or state regulatory databases searched by EDR: RCRA-SQG, ERNS, Spills, SHWS, UST, NPDES, AST, TRIS, and AIRS. It should be noted that in addition to the aforementioned databases, the Site address was listed in the FINDS, PADS and Manifest Databases. Definitions for these additional databases are included in Appendix I.

RCRA-SQG

The Site address was listed as General Motors Corporation (currently MLC) as a SQG of hazardous waste (U.S. EPA Identification No. MID006020408). The Site Identification information was reported to have been received by the DNRE on May 4, 2008 regarding the generator status of the Site. The start date for the Site owner/operator associated with the generator identification number was December 15, 1935. Historical generator forms and associated generator status received by the DNRE are listed below:

- SQG – February 28, 2002; November 10, 2003; February 1, 2004; February 19, 2004; March 1, 2004; February 1, 2005; March 1, 2006; and April 4, 2006;
- LQG – August 23, 1995; February 27, 1996; February 20, 1998; February 29, 2000; March 1, 2002; January 1, 2004; and January 1, 2005; and
- Not a Generator - November 19, 1980.

Violations were listed in the environmental database search results, as follows:

- A written informal enforcement action was issued on May 25, 1994 for a “Generator – General” violation identified during a compliance evaluation inspection by the MDNRE on May 19, 1994. The Site achieved compliance for the violation on June 13, 1994.

Compliance evaluation inspections were also reported to have been conducted by the DNRE on November 8, 1985, October 17, 1996, December 1, 1999, and November 25, 2003. No violations were identified in the database search results associated with the inspections conducted on the aforementioned dates.

The Site address was also listed as General Motors Company as a SQG of hazardous waste (U.S. EPA Identification No. MIK467733846). The Site Identification information

was reported to have been received by the MDNRE on October 13, 2009 regarding the generator status of the Site. The start date for the Site owner (MLC) associated with the generator identification number was December 15, 1935 with the start date for the Site operator (GM LLC) listed as July 10, 2009. No violations were listed in the environmental database search results regarding U.S. EPA Generator Identification No. MIK467733846.

ERNS

The Site was listed in the ERNS as having reported a release described as “materials released from a drainage ditch due to weather conditions” on February 3, 2003. A rainbow sheen from an unknown oil was observed to be approximately 20 feet long and four feet wide was observed on Cole Drain. An estimated two gallons of oil was reported as released. Booms were placed in the water to contain the material. No further information was available in the ERNS regarding the release.

Spills

The Site is listed in the Spills database as having reported a suspected release from the gasoline UST at the Site on April 27, 2006. The description of the release in the database search results is “04/27/2006 04:06 PM Leak check on underground gas tanks shows it might be leaking; thinks it might be faulty sensor (sic) though, but not sure yet.” The Site was also listed in the ERNS related to the aforementioned release. No further information was provided in the database search results regarding this release.

SHWS

The Site was listed in the SHWS database as General Motors – CPC Metals (Facility Identification No. 41000115) and a status of “interim response in progress.” The Site was scored on October 8, 2004. According to the database listing for the Site, pollutants released at the Site include TCE and oil. Past releases of TCE and oil at the Site and associated response actions are discussed in Section 4.1.1.

UST

The Site was listed in the UST Database as General Motors Grand Rapids Metal Plant (Facility Identification No. 00016424) as having four removed USTs (Tank Identification Nos. 1 through 4) and two currently-in-use USTs (Tank Identification Nos. 5 and 6). The four removed USTs include: two 8,000-gallon hazardous substance USTs (Tank Nos. 1 and 2); one 8,000-gallon machine oil UST (Tank No. 3); and one 8,000-gallon hydraulic oil UST (Tank No. 4). All of the removed USTs were reported to have been installed on April 24, 1980. The hazardous substance USTs and the hydraulic oil UST were reported to have been removed on January 1, 1986 and the machine oil UST was reported to have been removed on January 1, 1987. The tanks were identified to be of fiberglass reinforced plastic construction with “plastic wrapped” piping. No information regarding leak detection devices on the tanks or piping were available in the database search results.

The two currently-in-use USTs include one 8,000-gallon gasoline UST and one 3,000-gallon diesel UST. The currently-in-use USTs were reportedly installed on April 24, 1985 and are of cathodically protected double-walled steel, with fiberglass reinforced double-walled plastic. The USTs are reportedly equipped with automatic tank gauging and interstitial monitoring for leak detection. No further information was provided in the database search results.

NPDES

The Site is listed as having Individual Permit NPDES Permit No. MI0043877 with the DNRE. The permit was issued on July 28, 2006 with an effective date of October 1, 2006 and an expiration date of October 1, 2010.

AST

The Site (Site Identification No. 91041209) is listed in the AST database as a "Closed" type site. The status of the AST is listed as closed as of August 16, 2007; however, the tank status is listed as "Change in Service." The AST is identified as a 100,000-gallon AST containing a Flammable Liquid/Combustible Liquid (FL/CL).

TRIS

The Site was listed in the TRIS database as GMC Grand Rapids Metal Center. No further information was provided in the database search results regarding this listing.

AIRS

The Site (State Registration No. B1726) is listed in the AIRS database as having an Air Permit (Permit No. 79-99) with the DNRE. The date the Air Permit application was received was February 24, 1999.

FINDS

The Site was listed in the FINDS database (Registry Identification No. 110001840615) as being listed in the following databases: Aerometric Information Retrieval System (AIRS) Facility System (AFS); National Emissions Inventory (NEI); U.S. EPA TRIS; RCRAInfo; Permit Compliance System (PCS); and U.S. EPA Reasonably Available Control Technology (RACT)/Best Available Control Technology (BACT)/Lowest Achievable Emission Rate (LAER). No further information was provided in the database search results regarding this listing.

PADS

The Site was listed in the PADS database as a generator of PCB waste. The certification data is identified as March 29, 1990, with a received date of June 25, 1990. No further

information was provided in the database search results regarding PCB activity at the Site.

Manifest

The Site was listed in the NY Manifest database as General Motors Corporation. The Site was identified as generating D005 characteristically hazardous waste, "B007 – other miscellaneous PCB wastes," "B005 – PCB articles with 500 ppm or > PCB," and "B004 – PCB articles with 50 ppm but < 500 ppm" in 2002 and 2003 there were removed from the Site for transportation and/or disposal using a State of New York Manifest.

4.4.2 Adjacent Properties

Based on review of the EDR database report, 129 listings for mapped facilities were identified within 1.5 miles of the Site as listed on the aforementioned federal and/or state regulatory databases. The following is a summary of the mapped properties identified adjacent to the Site:

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
Cummins Bridgeway, LLC 3715 Clay Avenue SW, Wyoming, MI	East adjacent property beyond Clay Avenue SW	RCRA-SQG FINDS	• SQG of hazardous waste. Generator No. MID981775547. No violations. • RCRA information system.
Godwin Heights Schools 111 36 th Street SW and 50 35 th Street SW, Wyoming, MI	Northeast adjacent property beyond the intersection of 36 th Street SW and Buchanan Avenue SW	RCRA- CESQG	• CESQG of hazardous waste. Generator No. MIK283969483. No violations.
Conical Tool Company 3890 Buchanan Avenue SW, Wyoming, MI	West adjacent property beyond Buchanan Avenue SW	RCRA- CESQG BEA	• CESQG of hazardous waste. Generator No. MI0000264929. No violations. • BEA No. 1428. Category S BEA (same hazardous substance use). Submitted for disclosure on 5/19/04. No Section 7a submitted.
Consumers Energy Company 4000 Clay Avenue SW, Wyoming, MI	Southwest adjacent property beyond railroad tracks	RCRA- CESQG FINDS Manifest	• CESQG of hazardous waste. Generator No. MID079297453. No violations. • RCRA and National Compliance Data Base information systems. • Waste codes reported: B007 (other miscellaneous PCB

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
			wastes)
Grand Rapids Service Center 4000 Clay Avenue SW, Wyoming, MI	Southwest adjacent property beyond railroad tracks	LUST UST	- Facility ID 00017429. Leak Nos. C-0577-94, C-1037-90, C-1363-01, C-1423-92, and C-2735-90. For Leak No. C-0577-94, a release of an unknown substance occurred on 6/9/94, which was closed on 1/20/95. For Leak No. C-1037-90, a release of an unknown substance occurred on 6/11/90, which was closed on 6/15/93. For Leak No. C-1363-01, a release of gasoline occurred on 11/2/01, which was closed on 2/7/02. For Leak No. C-1423-92, a release of used oil occurred on 8/14/92, which was closed on 12/4/92. For Leak No. C-2735-90, a release of an unknown substance occurred on 12/18/90, which was closed on 12/20/91. - Facility ID 00017429. One 15,000-gallon gasoline UST was installed on 4/24/67 and removed on 10/18/01. Two 500-gallon used oil USTs were installed on 4/24/67 and removed on 8/19/91. One 10,000-gallon diesel UST was installed on 4/23/80 and removed on 10/18/01. One 10,000-gallon used transmission oil UST was installed on 4/23/76 and removed on 8/17/92. One 1,200-gallon diesel UST was installed on 4/24/67 and removed on 10/25/90. Two 10,000-gallon transmission oil USTs were installed on 4/23/80 and were removed on 10/12/94 and 10/13/94, respectively. One

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
			500-gallon kerosene UST was installed on 4/24/67 and removed on 9/30/90.
Buchanan Auto and Truck Repair 3720 Buchanan Avenue SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	RCRA-CESQG FINDS	• CESQG of hazardous waste. Generator No. MID985651603. No violations. • RCRA information system.
Total Transportation Service 3720 Buchanan Avenue SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	RCRA-NonGen FINDS	• Former SQG. Generator No. MID985622190. No violations. • RCRA information system.
Toering Electric 3714 Buchanan Avenue SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	RCRA-CESQG FINDS	• CESQG of hazardous waste. Generator No. MIK454591223. No violations. • RCRA information system.
Fed-Ex Freight 3740 Buchanan Avenue SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	RCRA-CESQG FINDS UST	• CESQG of hazardous waste. Generator No. MID985599281. No violations. • RCRA information system. • Facility ID 00000465. One 12,000-gallon diesel UST and one 15,000-gallon gasoline UST were installed on 3/17/66 and removed on 9/27/90.
No Entity Listed 3740 Buchanan Avenue SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	HMIRS	• 38 release incidents associated with address reported to DOT.

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
Vitran Express 3773 Clay Avenue SW, Wyoming, MI	West adjacent property beyond Clay Avenue SW	RCRA- CESQG FINDS LUST UST	• CESQG of hazardous waste. Generator No. MIR000007930. No violations. • RCRA information system. • Facility ID 00016761. Leak No. C-1543-90. A release of an unknown substance occurred on 8/16/90, which was closed on 7/19/95. • Facility ID 00016761. One 10,000-gallon diesel UST was installed on 4/18/72 and removed on 8/17/90.
No Entity Listed 3773 Clay Avenue SW, Wyoming, MI	West adjacent property beyond Clay Avenue SW	HMIRS	• 2 release incidents associated with address reported to DOT.
Ryder Transportation Serv. #262 3663 Clay Avenue SW, Wyoming, MI	West adjacent property beyond Clay Avenue SW	LUST UST RCRA- NonGen FINDS	• Facility ID 00020040. Leak Nos. C-C-0400-94, C-0735-94, and C-4022-85. For Leak No. C-0400-94, a release of an unknown substance occurred on 5/3/94, which was closed on 8/30/00. For Leak No. C-0735-94, a release of used oil and an unknown substance occurred on 7/19/94, which was closed on 8/30/00. For Leak No. and C-4022-85, a release of an unknown substance occurred on 10/1/87, which is still open. • Facility ID 00020040. One 12,000-gallon diesel UST was installed on 2/9/82 and removed on 5/12/94. One 12,000-gallon diesel UST was installed on 2/9/80 and removed on 9/1/88. One 4,000-gallon diesel UST was installed on 2/9/71 and removed on 7/1/87. Two 4,000-gallon diesel and three 4,000-gallon gasoline USTs were installed on 2/9/71 and removed on 7/19/87. One 4,000-gallon

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
			used oil UST and two 4,000-gallon motor oil USTs were installed on 2/9/75 and removed on 6/16/94. One 4,000-gallon used oil UST was installed on 2/9/79 and removed on 5/12/94. One 12,000-gallon gasoline UST was installed on 2/9/82 and removed on 5/12/94. One 12,000-gallon gasoline UST was installed on 2/9/88 and removed on 5/12/94. One 12,000-gallon diesel UST was installed on 2/9/88 and removed on 6/16/94. Two 20,000-gallon diesel USTs were installed on 6/13/94 and 6/16/94, respectively, and are currently in use. One “non-registered” UST was also listed; however, no further information was available. • Former LQG and SQG. Generator No. MID985603505. No violations. • RCRA information system.
No Entity Listed 3663 Clay Avenue SW, Wyoming, MI	West adjacent property beyond Clay Avenue SW	Spills	• An incident was reported on 2/1/06 regarding “vehicle accident in parking lot; ruptured fuel tank resulted in a loss of approximately 50 gallons onto the pavement and possibly storm drains.”
Modern Molds, Inc. 3831 Clay Avenue, Wyoming, MI	West adjacent property beyond Clay Avenue SW	UST	• Facility ID 00003756. One 1,000-gallon gasoline UST was installed on 4/22/72 and removed on 1/3/92.
Amoco Oil Co. 3565 Buchanan SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	UST	• Facility ID 00021227. Two 2,000-gallon USTs (contents unknown) were installed on 6/2/75 and closed in ground “1/1/74.” One 500-gallon UST and one 250-gallon UST (contents unknown) were installed on 6/1/77 and closed in

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
			ground 1/1/77.
Hartwick Welding Supply 3700 Buchanan Avenue SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	UST	Facility ID 00017563. One 1,000-gallon gasoline UST was installed on 4/28/66 and was removed on 1/1/82.
36 th Street Amoco Food Shop/Amoco Oil Co. 150 36 th Street SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	UST	Facility ID 00018071. Three 4,000-gallon gasoline USTs, one 6,000-gallon gasoline UST, one 10,000-gallon UST, and one 500-gallon used oil UST were installed on 5/2/76 and removed on 7/26/90. Two 10,000-gallon gasoline USTs, one 6,000-gallon gasoline UST, and one 4,000-gallon diesel UST were installed on 1/1/89 and are currently in use.
Amoco Oil Co. 150 36 th Street SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	RCRA-NonGen FINDS	- Former SQG. Generator No. MID985633882. No violations. - RCRA information system.
Grand Rapids Commercial Heat 3832 Buchanan Avenue SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	UST	Facility ID 00032880. One 8,000-gallon quench oil UST was installed on 6/23/80 and removed 2/7/01. One 100-gallon gasoline UST was installed on an unreported date and removed 2/7/01.
No Entity Listed 3832 Buchanan Avenue SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	BEA	BEA No. 938. Category N BEA (no hazardous substance use). Submitted for disclosure on 8/31/01. No Section 7a submitted.
Commercial Heat Treating Co. 3840 Buchanan Avenue SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	UST	Facility ID 00040617. One 1,000-gallon gasoline UST was installed on 4/22/72 and removed 1/3/92.

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
Airgas Great Lakes 3700 Buchanan SW, Wyoming, MI	East adjacent property beyond Buchanan Avenue SW	AST	Facility ID 92041114. One 1,850-gallon liquid propane AST and one 1,000-gallon liquid propane AST were installed on an unreported date and removed 1/1/91. One 1,850-gallon liquid propane AST was installed on 7/1/85 and removed on 1/1/95. Two 1,000-gallon hazardous substance ASTs were installed on 8/8/97 and removed on 11/30/00. One 1,000-gallon liquid propane AST was installed on 4/1/91 and removed on 1/1/95. One 12,000-gallon liquid propane AST was installed on 1/23/95 and removed on 11/30/00. One 1,000-gallon liquid propane AST was installed on 2/24/93 and removed on 1/1/95.
Entity Not Listed 3940 Clay Avenue SW, Wyoming, MI	West adjacent property beyond railroad tracks	BEA	BEA No. 2325. Category N BEA (no hazardous substance use). Submitted for determination on 6/27/08. Determination affirmed. No Section 7a submitted.
Floyds Electric Service 3781 Clay Court SW, Wyoming, MI	West adjacent property beyond Clay Avenue SW	RCRA-CESQG FINDS	- CESQG of hazardous waste. Generator No. MID985640424. No violations. - RCRA information system.

Based on the groundwater gradient at the Site, to the north-northwest, it appears none of the identified properties on the federal and/or state regulatory databases adjacent to the Site represent an environmental concern except for eastern and western adjacent properties, which are located upgradient and crossgradient of the Site. Therefore, based on CRA's review of the EDR Radius Map report it appears known or suspect environmental concerns are present associated with the eastern adjacent properties. The environmental concerns identified during the course of this investigation are discussed in detail in Section 7.0.

4.4.3 Additional Area Properties

Based on review of the EDR database report, 129 listings for mapped facilities were identified within 1.5 miles of the Site, based on the Site address location, as listed on the aforementioned federal and/or state regulatory databases. The following is a summary of the additional mapped properties identified within the ASTM-designated radii of the Site:

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
Timmers Service Center 3600 Division Avenue SW, Wyoming, MI	2,132 feet east of Site	LUST UST	- Facility ID 00034055. Leak No. C-1128-90. A release of an unknown substance occurred on 6/20/90, which is open. - Facility ID 00034055. One 10,000-gallon gasoline UST was installed on an unreported date and removed on 6/19/90.
Rite Aid #1823 3617 Division Avenue SW, Wyoming, MI	2,153 feet east of Site	LUST UST	- Facility ID 00039023. Leak No. C-0302-96. A release of gasoline occurred on 5/13/96, which is open. - Facility ID 00039023. One 10,000-gallon gasoline UST was installed on an unreported date and removed on 5/2/96. One “non-registered tank” is also reported to be associated with this property, with no further details provided.
Value Mkt. Express #0476 3470 Division Avenue, Wyoming, MI	2,284 feet east-northeast of Site	LUST UST	- Facility ID 00012334. Leak Nos. C-0144-04 and C-1158-97. For Leak No. C-0144-04, a release of gasoline occurred on 4/15/04, which is open. For Leak No. C-1158-97, a release of gasoline occurred on 11/20/97, which is open. - Facility ID 00012334. Two 6,000-gallon gasoline USTs were installed on 5/2/57 and removed on 11/19/97. One 8,000-gallon gasoline UST was installed on 5/3/71 and removed on 11/19/97. One “non-registered tank” is also reported to be associated with this

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
			property, with no further details provided. Two 12,000-gallon gasoline USTs were installed on 11/21/ 97 and are currently in use.
No Entity Listed 3462 South Division Avenue, Wyoming, MI	2,304 feet east-northeast of Site	BEA	BEA No. 2608. Category S BEA (same hazardous substance use). Submitted for disclosure on 11/10/09. No Section 7a submitted.
Godwin Plumbing, Inc. 3703 Division Avenue SW, Wyoming, MI	2,326 feet east-southeast	LUST UST	- Facility ID 00007787. Leak No. C-0274-98. A release of gasoline occurred on 4/15/98, which was closed 6/8/99. - Facility ID 00007787. One 12,000-gallon gasoline UST was installed on 3/27/74 and removed on 4/14/98. One “non-registered tank” is also reported to be associated with this property, with no further details provided.
Godwin Heights 3712 South Division, Wyoming, MI	2,353 feet east-southeast	LUST	Facility ID 00014553. Leak No. C-0262-89. A release of an unreported substance occurred on 6/14/89, which is open.
No Entity Listed 3364 South Division Avenue, Wyoming, MI	2,592 feet northeast of Site	BEA	BEA No. 2609. Category S BEA (same hazardous substance use). Submitted for disclosure on 11/10/09. No Section 7a submitted.
Fox Motor Group LLC DBA Fox Saab 3340 Division Avenue SW, Wyoming, MI	2,655 feet northeast of Site	RCRA-NonGen FINDS LUST UST	- Former CESQG. Generator No. MID982204604. No violations. - RCRA information system. - Facility ID 00002507. Leak No. C-0831-00. A release of an unreported substance occurred on 10/6/00, which is open. - Facility ID 00002507. One 500-gallon used oil UST was installed on 6/23/72 and removed 10/20/91. One 250-gallon used oil UST was

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
			installed on an unreported date and removed on 10/6/00. One “non-registered tank” is also reported to be associated with this property, with no further details provided.
Speedway #3571 3315 Division Avenue SW, Wyoming, MI	2,769 feet northeast of Site	LUST UST	• Facility ID 00011072. Leak No. C-1915-90. A release of an unreported substance occurred on 9/28/90, which was closed on 8/27/98. • Facility ID 00011072. One 12,000-gallon gasoline UST, one 10,000-gallon gasoline UST, and one 10,000-gallon diesel UST were installed on 11/1/90 and are currently in use. One 12,000-gallon gasoline UST was installed on 5/7/74 and removed on 10/30/90. One 6,000-gallon gasoline UST was installed on 5/7/66 and removed on 10/30/90. One 4,000-gallon gasoline UST was installed on 5/7/85 and is currently in use. One 6,000-gallon gasoline UST was installed on 5/7/84 and removed on 10/30/90.
No Entity Listed 3887 South Division Avenue, Wyoming, MO	2,970 feet southeast of Site	SHWS	• Facility ID 41001048. Inactive – no actions taken to address contamination. Pollutants include PCE.
Etna Supply Co. 529 32 nd Street, Wyoming, MI	3,027 feet north-northwest of Site	LUST UST	• Facility ID 00005170. Leak No. C-2200-94. A release of gasoline occurred on 12/14/92, which was closed on 9/24/96. • Facility ID 00005170. One 2,000-gallon diesel UST and one 1,500-gallon gasoline UST were installed on 4/15/80 and removed 12/14/92. One “non-registered tank” is also reported to be associated with this property, with no further details

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
			provided.
Dwar Oil Co. 3910 Division Avenue, Wyoming, MI	3,062 feet southeast of Site	SHWS LUST UST Brownfields	- Facility ID 41000977. See LUST Database. Pollutants include 1,2,4-TMB, 1,3,5-TMB, benzene, benzo(a)pyrene, ethylbenzene, MTBE, naphthalene, xylenes, and n-propylbenzene. - Facility ID 00013770. Leak No. C-0596-98. A release of an unreported substance occurred on 7/8/98, which is open. - Facility ID 00013770. Two 10,000-gallon gasoline USTs, one 4,000-gallon gasoline UST, one 4,000-gallon kerosene UST, two 4,000-gallon diesel USTs, one 2,000-gallon diesel UST, and one 1,000-gallon used oil UST were installed on 5/7/71 and removed 10/14/99. One “non-registered tank” is also reported to be associated with this property, with no further details provided. - Facility ID 00013770. Status listed as monitoring.
Thrifty Petroleum – Clyde Park 3600 Clyde Park Avenue SW, Wyoming, MI	3,119 feet west of Site	AUL	A Restrictive Covenant (RC-RRD-213-08-019) under Part 213 is pending for this property.
SDP Corp. 3600 Clyde Park Avenue SW, Wyoming, MI	3,119 feet west of Site	LUST UST	- Facility ID 00004192. Leak No. C-0149-90. A release of an unreported substance occurred on 1/23/90, which was closed on 5/29/08. - Facility ID 00004192. One 2,500-gallon gasoline UST, one 5,000-gallon gasoline UST, one 1,000-gallon kerosene UST, and

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
			two 4,000-gallon gasoline USTs were installed on 4/16/76 and removed on 11/11/90. Two 12,000-gallon gasoline USTs, one 10,000-gallon gasoline UST, one 4,000-gallon gasoline UST, one 4,000-gallon diesel UST, and 4,000-gallon kerosene UST were installed on 11/15/90 and are currently in use.
Admiral Petroleum #23 3221 South Division, Wyoming, MI	3,166 feet northeast of Site	LUST UST	• Facility ID 00005993. Leak No. C-0541-92. A release of gasoline occurred on 4/7/92, which is open. • Facility ID 00005993. One 10,000-gallon gasoline UST, two 8,000-gallon gasoline USTs, and two 6,000-gallon kerosene USTs were installed on 5/6/87 and are currently in use. One 1,000-gallon used oil UST was installed on 5/6/87 and removed 7/19/95. One 1,000-gallon bulk oil UST was installed on 6/1/88 and removed 7/19/95. One “non-registered tank” is also reported to be associated with this property, with no further details provided.
CVS Clyde Park Inc./Michigan Corp. 3601 Clyde Park Avenue SW, Wyoming, MI	3,167 feet west of Site	LUST UST	• Facility ID 00040405. Leak Nos. C-0695-00 and C-4032-85. Releases of unknown substances occurred on 7/28/00 and 8/12/85, respectively, which are open. • Facility ID 00040405. One 500-gallon used oil UST was installed on an unreported date and removed 5/1/00. One “non-registered tank” is also reported to be associated with this property, with no further details provided.

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
Grantex, Inc. 3560 Jefferson Avenue SE, Wyoming, MI	3,235 feet east of Site	SHWS	Facility ID 41000862. Interim Response in Progress. Pollutants include PCE.
Northtown Center 3540 Jefferson Avenue, Wyoming, MI	3,238 feet east of Site	LUST UST	- Facility ID 00035735. Leak No. C-2151-91. A releases of an unknown substance occurred on 10/14/91, which was closed on 12/5/91. - Facility ID 00035735. One 550-gallon gasoline UST was installed on an unreported date and removed 11/7/91. One “non-registered tank” is also reported to be associated with this property, with no further details provided.
No Entity Listed 3011 Hillcroft SW, Wyoming, MI	3,440 feet north of Site	SHWS	Facility ID 41001053. Inactive – no actions taken to address contamination. Pollutants include PCE.
Speedway #6275 3155 South Division, Wyoming, MI	3,522 feet northeast of Site	LUST UST	- Facility ID 00011831. Leak No. C-0321-91. A release of an unknown substance occurred on 3/4/91, which was closed on 5/1/96. - Facility ID 00011831. Four 8,000-gallon gasoline USTs, one 8,000-gallon empty UST, one 6,000-gallon kerosene UST, and one 8,000-gallon diesel UST were installed on 5/2/68 and removed on 4/11/95 or 4/12/95. One 10,000-gallon gasoline UST and one 15,000-gallon gasoline UST were installed on 7/14/95 and are currently in use. One 4,000-gallon diesel UST and one 4,000-gallon kerosene UST were installed on 7/17/95 and are currently in use.

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
Chem Central 2940 Stafford Avenue SW, Wyoming, MI	3,905 feet north of Site	NPL CERCLIS RCRA-LQG US Eng Controls US Inst Controls SHWS Brownfields ROD FINDS	- Proposed date of 12/30/82. Finalized date of 9/8/83. Currently on the Final NPL. Contaminants include PCBs (groundwater and surface water pathways), PCE (no pathway indicated), toluene (no pathway indicated), xylenes (no pathway indicated), and "waste solvents" (groundwater pathway). Pathways include groundwater, surface water, and unidentified pathway. - Site ID 0502743. Alias Wolverine Chemical Solvent and Recovery. Discovery on 10/1/78. Hazard Ranking System Package on 8/1/82. Site Inspection on 9/1/82. Proposed for NPL on 12/30/82. Preliminary Assessment on 1/1/83. Final listing on NPL on 9/8/83. Notice letters issues 9/25/86. Administrative Order on Consent on 6/30/87. Removal Assessment, Risk/Health Assessment and Ecological Assessment on 7/15/90. Removal Assessment on 8/1/91. PRP RI/FS on 9/30/91. ROD on 9/30/91 for Final Remedy Selected at Site for Operable Unit 01, including groundwater treatment via air stripping, pump and treat, monitoring, and oil/water separation with soil treatment via carbon adsorption, physical/chemical treatment, and soil vapor extraction. RD/RA Negotiations on 3/31/92. - LQG of hazardous waste. Generator No. MID017108192. Violations exist.

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
			- Site ID 0502743. Institutional controls not otherwise specified on 9/30/91 for groundwater in ROD. - Facility ID 41000011. Interim Response in Progress. Pollutants include 1,1,1-TCA, 1,1-DCA, ethylbenzene, PCE, TCE, VC, xylenes, and cis-1,2-DCE. - Status listed as "PLP". Facility ID not reported. - RCRA, AFS, NEI, CERCLIS, ICIS, and PCS Information System
Hobart Sales & Service 4064 Division Avenue, Wyoming, MI	3,906 feet southeast of Site	LUST UST	- Facility ID 00008170. Leak No. C-1897-92. A release of gasoline occurred on 10/26/92, which was closed on 10/18/01. - Facility ID 00008170. One 550-gallon gasoline UST was installed on 3/31/69 and removed 10/26/92. One "non-registered tank" is also reported to be associated with this property, with no further details provided.
Univar USA 2940 Stafford Avenue SW, Wyoming, MI	3,565 feet north of Site	AST	Facility ID 91041051. Twenty 12,000-gallon flammable liquid ASTs and one 10,000-gallon flammable liquid AST were installed on an unknown date and are currently in use.
Pony Express Courier Corp. 4130 South Division, Wyoming, MI	4,316 feet south-southeast of Site	LUST UST	- Facility ID 00016455. Leak No. C-0871-91. A release of an unknown substance occurred on 5/6/91, which was closed on 6/10/94. - Facility ID 00016455. One 10,000-gallon diesel UST and one 5,000-gallon diesel UST were installed on 4/16/76 and removed on 6/5/91.

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
Pkg Corp. of America 200 Colrain SW, Wyoming, MI	4,402 feet north of Site	LUST UST	- Facility ID 00015454. Leak No. C-1088-98. A release of an unknown substance occurred on 11/2/98, which is open. - Facility ID 00016455. One 4,000-gallon gasoline UST was installed on 4/13/66 and removed 11/2/98. One “non-registered tank” is also reported to be associated with this property, with no further details provided.
Benteler Industries 3721 Hagen Drive Southeast, Wyoming, MI	4,464 feet east of Site	CERC- NFRAP CORRACTS RCRA-SQG FINDS Manifest	- Site ID 0506892. Discovery on 1/28/92. Preliminary Assessment on 9/11/92. Site archived on 12/18/95. - Action: CA075LO (low CA prioritization) and CA050 (RFA completed). - SQG of hazardous waste. Generator No. MID000776104. No violations. - RCRA, AFS, NEI, TRIS, and ICIS information systems. - Waste code reported: D002 (non-listed corrosive wastes)
ICS MI LLC 4336 Hansen Avenue SW, Wyoming, MI	4,918 feet south-southwest of Site	CERC- NFRAP RCRA- NonGen FINDS	- Site ID 0502418. Discovery on 8/26/86. Preliminary Assessment on 12/31/86. Site inspection on 8/21/90. Site archived on 9/28/94. - Former LQG. Generator No. MID017073222. Violations. - RCRA, AFS, and NEI information systems.
Belfer Drum and Barrel 4336 Hansen Avenue SW, Wyoming, MI	4,918 feet south-southwest of Site	SHWS	Facility ID 41000006. Interim Response in Progress. Pollutants include PCBs.
Mansco/Lakeshore 2851 Buchanan Avenue SW, Wyoming, MI	4,919 feet north of Site	LUST UST	Facility ID 00033447. Leak No. C-0549-90. A release of an unknown substance occurred on 3/29/90, which was closed on

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
			8/26/91. Facility ID 00033447. One 550-gallon gasoline UST was installed on 3/14/82 and removed on 3/14/90. One 1,000-gallon used oil UST was installed on an unreported date and removed on 3/19/90.
Erb Lumber Co. Inc. 2850 Division Avenue SW, Grand Rapids, MI	5,218 feet north-northeast of Site	LUST UST	- Facility ID 00010848. Leak No. C-0147-91. A release of an unknown substance occurred on 1/31/91, which was closed on 7/2/91. - Facility ID 00010848. One 2,000-gallon diesel UST was installed on 5/2/85 and removed on 9/30/91. One 1,000-gallon gasoline UST was installed on 5/2/86 and removed on 9/30/91. One 1,000-gallon gasoline UST was installed on 5/3/71 and removed on 6/1/87.
Rapid Pattern & Plastics, Inc. 2935 Madison SE, Grand Rapids, MI	6,022 feet northeast of Site	DEL SHWS	Facility ID 41000214. Delisted – no longer meets criteria specified in rules.
No Entity Listed 2610 Buchanan Avenue SW, Grand Rapids, MI	6,501 feet north of Site	DEL SHWS	Facility ID 41000944. Delisted – no longer meets criteria specified in rules.
No Entity Listed 1021 28 th Street SW, Wyoming, MI	6,501 feet north of Site	DEL SHWS BEA	- Facility ID 41001008. Delisted – no longer meets criteria specified in rules. - BEA No. 1345. Category N BEA (no hazardous substance use). Submitted for determination on 1/26/04. Determination affirmed. No Section 7a submitted. BEA No. 1346. Category N BEA (no hazardous substance use). Submitted for determination on 1/26/04. Determination affirmed. No Section 7a

Entity Listed / Address	Approximate Location Relative to Site	Database	Comments / Status of Listing
			submitted.
No Entity Listed 3664 Eastern Avenue SE, Grand Rapids, MI	7,302 feet east of Site	DEL SHWS	Facility ID 41001058. Delisted – no longer meets criteria specified in rules.

Based on the groundwater gradient at the Site, to the north-northwest, a number of properties within the ASTM radii and downgradient of the Site (i.e., southeast) are known to have impacts of PCE, including a property located at 3887 South Division Avenue that is listed on the SHWS and is approximately a quarter-mile east of the Site. The environmental concerns identified during the course of this investigation are discussed in detail in Section 7.0.

4.4.4 Orphan Summary

CRA 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 20 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, with the exception of Floyd’s Electric Service, as included in Section 4.4.2.

4.5 Additional Environmental Records Sources

4.5.1 Fire Department

CRA submitted a FOIA request to the City of Wyoming Fire Department for the Site addresses of 229, 300, and 301 36th Street SW and 3838 Clay Avenue SW, Wyoming, Michigan. Environmental records associated with utilities (i.e. septic systems, wells, etc.), hazardous and solid waste, water, air, remediation, emergency responses, spills/releases, underground and aboveground storage tanks were requested.

Information received to date from or reviewed at the City of Wyoming Fire Department for the Site address of 300 36th Street SW, Wyoming, Michigan is incorporated in this report. Additional information received from the City of Wyoming Fire Department for the Site addresses of 229 and 301 36th Street SW and 3838 Clay Avenue SW will be incorporated upon receipt.

It should be noted that summarized information received from the agency is not intended to be all inclusive of the complete files obtained from the agency; only to briefly summarize significant findings.

4.5.2 Health Department

CRA submitted a FOIA request to the Kent County Health Department – Environmental Health Division for the Site addresses of 229, 300, and 301 36th Street SW and 3838 Clay Avenue SW, Wyoming, Michigan. Environmental records associated with utilities (i.e. septic systems, wells, etc.), hazardous and solid waste, water, air, remediation, emergency responses, spills/releases, underground and aboveground storage tanks were requested.

Information received to date from the Kent County Health Department – Environmental Health Division for the Site address of 300 36th Street SW, Wyoming, Michigan is incorporated in this report. Additional information received from the Kent County Health Department – Environmental Health Division for the Site addresses of 229 and 301 36th Street SW and 3838 Clay Avenue SW will be incorporated upon receipt.

It should be noted that summarized information received from the agency is not intended to be all inclusive of the complete files obtained from the agency; only to briefly summarize significant findings.

4.5.3 Michigan Department of Natural Resources and Environment

CRA submitted a FOIA request to the DNRE for the Site addresses of 229, 300, and 301 36th Street SW and 3838 Clay Avenue SW, Wyoming, Michigan. Environmental records associated with utilities (i.e. septic systems, wells, etc.), hazardous and solid waste, water, air, remediation, emergency responses, spills/releases, underground and aboveground storage tanks were requested.

Information received to date from the DNRE for the Site address of 300 36th Street SW, Wyoming, Michigan is incorporated in this report. Additional information received from the DNRE for the Site addresses of 229 and 301 36th Street SW and 3838 Clay Avenue SW will be incorporated upon receipt.

It should be noted that summarized information received from the agency is not intended to be all inclusive of the complete files obtained from the agency; only to briefly summarize significant findings.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

Ms. Jennifer Quigley, Ms. Leah Clark, Mr. Ben Holly, Mr. Doug Chenoweth, and Mr. Chris Meincke of CRA completed an inspection of the buildings and related property that comprise the Site from September 29 through October 2, 2009. Additionally, Ms. Jennifer Quigley of CRA conducted an inspection of the buildings and related property that comprise the Site from April 20 through 26, 2010, to update information previously obtained in 2009. The inspection included an inspection of the Site and Site structures, review of relevant Site records available to CRA, visual observations of adjacent properties as viewed from the Site and surrounding roadways, and interviews with individuals associated with the Site. CRA was accompanied during the Site inspections by representatives of GM LLC, who provided information regarding plant operations and historical Site use.

Access limitation to the Site included confined spaces and sewers, and areas beneath equipment.

5.2 Current Site Use

The Site was developed prior to 1936 for residential and cultivated agricultural uses. In 1936, development of the portion of the Site bound to the north by 36th Street SW, to the east by Buchanan Avenue SW, to the west by railroad tracks, and to the south by 40th Street SW, by GM for the purpose of an automobile manufacturing plant was conducted. The plant was dedicated on December 5, 1936 as the Plant No. 1 of the Grand Rapids Stamping Division of Fisher Body. The original portion of the Main Manufacturing Building and original Power House were constructed in 1936 and comprised 437,351 square feet of floor space including both production and administrative space. Numerous additions/renovations to the Main Manufacturing Building occurred between 1937 and 2006, as identified below:

- 1937 – 42,656 square feet of production floor space
- 1939 – 341,553 square feet of production floor space
- 1950 – 208,297 square feet of production floor space
- 1954 – 271,305 square feet of production floor space
- 1964 – 32,745 square feet of production floor space
- 1978 – 122,612 square feet of production floor space
- 1986 – 128,292 square feet of production floor space
- 1988 – 60,685 square feet of production floor space

- 2006 – 50,000 square feet of 1988 addition renovated

The original Baler House was constructed in 1950, with a belowgrade scrap conveyor system that connected it to the press area within the Main Manufacturing Building. The current Baler House was constructed in 1965, with the original Baler House undergoing demolition during the 1964 expansion of the Main Manufacturing Building. The Cooling Tower Pump House, Cooling Towers, current Power House, and WWTP were constructed in 1970. The Press Storage Building was constructed in 1988. No information was available regarding the construction date of the Primary Switch House, Metal Storage Shed, South and West Fire Pump Houses, or Rack Make-Up Buildings. A Quonset hut is also identified to the south of the Press Staging Building on historical drawings; however, no information is available regarding the construction or demolition dates for this structure.

In 1942, the Site produced mounts for 90 mm anti-aircraft weapons, a 120 mm anti-aircraft dual-purpose gun, parts and assemblies for the B-29, B-25 and XP-75 aircraft, parts for the M-8, M-24, M-4, M-10, and M-26 tanks, five-inch naval gun breech housings, 155 mm shells, and machine tools in support of World War II. In 1945, production returned to automotive part production.

In 1984, the Fisher Body Division dissolved and the Site became part of the CPC Group. In 1992, during restructuring within GM, the Site became part of the CLCD. In 1997, the Site became part of the MFD of GM NAO.

GMC continued to own and operate the Site until June 1, 2009, when they filed for bankruptcy under Chapter 11 of the United States Bankruptcy Code. On July 10, 2009, GMC, now known as MLC, pursuant to a bankruptcy court order, sold certain assets, to a new entity, which is now known as GM LLC. The Site was not included in the sale and ownership remains with MLC. Primary operations conducted at the Site by GM LLC ceased on May 29, 2009. GM LLC currently conducts Site idling, decommissioning and support activities operations at the Site, under lease from MLC. GM LLC anticipates cessation of operations and vacating the Site on or before June 30, 2010. No manufacturing operations will be conducted at the Site by MLC subsequent to vacation of the property by GM LLC. Operations conducted by MLC at the Site will include required compliance monitoring, equipment sales, decommissioning, and demolition activities, as well as administrative and ancillary operational activities in support of the aforementioned activities.

The Site was primarily operated as a metal fabrication and assembly plant. The primary manufacturing process involved several operations including tool and die operations, blanking, metal stamping (conventional and transfer presses), and assembly. The manufacturing process and support operations historically included metal stamping, plating operations, painting, acetylene gas generation, scrap metal handling, and heat treating. Ancillary operations conducted at the Site included the receipt and storage of raw materials, hazardous and non-hazardous waste management, equipment maintenance activities, product and materials handling, power generation, the shipment of final goods, wastewater treatment, scrap metal handling, and administrative activities.

An Acetylene-Oxygen and Ferrolene House (AOF House) was historically present to the west of the Main Manufacturing Building at Column ZZ, Rows 18 to 15. The AOF House was constructed circa 1936 and was demolished circa 1970. Available drawings indicate that the AOF originally included use of a 12,000-gallon UST containing oleum spirits; however, notes on the drawings indicated that the tank was never installed. Additionally, a 420-gallon ferrolene UST was present to the south of the AOF House. The AOF House consisted of the ferrolene room (including cyanide and lead pots), a pump room, the oxygen manifold and storage room, the carbide storage room, the acetylene storage room, the acetylene generator room, a loading platform serviced by a railroad siding, and sludge pits. Additional information regarding the chemicals utilized during the operation of the AOF House was not available.

A cooling tower and cooling tower basin are identified on a 1971 drawing to the west of the former Power House, to the north of the 500,000-gallon fire suppression water AST and associated pump house, and to the south of the former 250,000-gallon elevated fire suppression water AST, in line with Rows 19 to 22 for the Main Manufacturing Building. No further information regarding the operation and construction of the cooling water tower and basin was available, including information regarding water treatment chemicals utilized, process associated with the generation point of water cooled or sludge removal practices. This area is currently paved with concrete and/or asphalt.

A former snow melting pit is identified to the southeast of the pump house associated with the 500,000-gallon fire suppression water AST on a 1971 drawing, in line with Row 25 of the Main Manufacturing Building. No further information was available regarding the former snow melting pit. This area is currently paved with concrete and/or asphalt.

Heat treat operations were conducted in a variety of locations throughout the Site, as follows:

- A former Heat Treat Room was located near Column O, Row 4 on a 1936 drawing. This area was identified to consist of a homo furnace, oven furnaces, lead and cyanide pots, quenching tanks, a caustic tank, and a forge. Floor drains, a pit and a trench were identified in this area. No further information was available regarding the timeframe that this area was operated for heat treat operations.
- A former Heat Treat area was located between Columns U and W, Rows 26 and 27 on a 1944 drawing. This drawing identifies a large quench pit in this area, with four tanks shown in the pit and references at least one 12,000-gallon oil tank.
- A former Heat Treat Building was located between Columns J through M, Rows 29 to 30 ½ on a 1945 drawing. This area was identified to consist of a sand blast room, gas crackers and furnaces and associated pits. No further information was available regarding the timeframe that this area was operated as a heat treat area; however, it is currently beneath an addition to the Main Manufacturing Building.

A cooling water spray pond was historically located to the west of the former Power House, between Rows 13 and 18 ½. The cooling water spray pond received process wastewater from air compressor blowdown and welding machine cooling water and discharged cooled water via return lines to the plant and to the storm sewer. No information was available regarding the potential use of algaecides/biocides was available, nor was information related to removal of sludges from the cooling water spray pond.

A “present sludge bed to be filled in” was identified on a 1954/1955 drawing of the Site. Based on the review of available aerial photographs, this sludge bed was located to the north of the former Power House, to the northwest of the former AOF Building, and to the east of the cooling water spray pond. The area was not observed to be utilized as a sludge bed in the 1938 or 1960 aerial photographs; however, an undated aerial obtained from the Site dated prior to 1954 (based on facility construction) shows this area. This area is currently under a portion of the Main Manufacturing Building. No information was available regarding the nature of the sludges deposited in this area while operational or closure of the area.

A former Switch House was identified on a 1936 drawing, between Rows 1 and 2 ½, and is currently located under the Main Manufacturing Building. This structure is identified to have a four-inch drain tile around the structure that discharged to the storm sewer. The basement of this building includes three floor drains, which discharged to a three-foot by three-foot by four-foot sump that also discharged to the storm sewer. No information regarding any releases from electrical equipment previously operated in this area was available.

Based on the review of documentation from 1978, a “tar house”, which was used to heat tar for floor block repairs, was located south of the Main Manufacturing Building at that time. No further information regarding the tar house was available.

Baling operations were conducted in a variety of locations throughout the Site, as follows:

- A Baler House is located to the south of the Main Manufacturing Building, adjacent to the west of the Power House. The Baler House was constructed in 1965 and consisted of four balers for scrap metal processing, which were set in pits. Significant oil staining and scrap metal were observed in the visually accessible portions of the Baler House pits during the Site inspection. Additionally, a sump is located in the corner of this building, which discharges to the WWTP.
- A former Baler House was located between Columns C and H, Rows 42 to 44. Scrap metal was conveyed to the former Baler House via an underground conveyor system, which was located between Columns E and F. An oil separator is identified to the north of the former Baler House on historical drawings. This Baler House was demolished during the 1964 expansion activities, with the current Baler House constructed in 1965. No further information was available regarding the timeframe that this area was operated for baling operations.

- An area with two balers is identified on 1936 and 1950 drawings between Columns Q to O, Rows 20 ½ to 22. No further information was available regarding the timeframe that this area was operated for baling operations.

Metal finishing operations were historically conducted in a variety of locations throughout the Site as follows:

- A bonderizing/prime system was identified on a 1951 drawing between Columns U and W, Rows 42 to 46. This system included an alkali rinse, hot rinse, bonderite, cold rinse, and chromic acid dip tanks, a blow off oven, a prime spray booth, a final spray booth, and a final oven. The drawing also identified floor drains and a sludge tank in this area.
- Lacquer and cement spray booth operations were identified on a 1939 drawing to have been historically conducted on instrument panels from Columns O to Q, Row 39 to 42. No further information regarding these operations was available.
- Anti-rust oil spray booth operations, which included approximately 110-gallon oil tanks situated on the plant floor or in belowgrade pits, were identified on a 1937 drawing to have been historically conducted in the following areas: Booth #1 – circa 1937 - Columns U to X, Row 16; Booth #2 – circa 1937 - Columns O to R, Row 13; Booth #3 – circa 1937 - Columns U to X, Row 7; and Booth #4 – circa 1937 - Columns Q to T, Row 4

Degreasing operations were conducted in a variety of locations throughout the Site as follows:

- An area identified as “shell cooler after degreaser” was present on a 1944 drawing between Columns V and W, Row 34.
- A degreaser is identified on a 1953 drawing at Column U, Row 46.
- Degreasers were also historically located at Columns T, Row 27, Columns RS, Row 9, and Column O, Row 44. The vapor degreaser located at Column T-27 is known to have utilized TCE and was operated from April 1953 to August 1979. According to Site personnel, this degreaser was an open top metal tank situated in a concrete pit, where equipment was dipped using an overhead crane.

The property to the west of the main manufacturing property along Clay Avenue SW was historically utilized for agricultural purposes and for water supply wells, a softener plant, and a chlorinator building. A 1957 drawing and 1960 aerial photograph identify the presence of small structures located on this property. The 1957 drawing identifies Well Nos. 11 to 16, a softner plant, and a chlorinator building on this property. No further information was available regarding these operations. This area currently consists of an asphalt-paved employee parking lot, with a portion an entrance to the overhead pedestrian trestle over the railroad into the Main Manufacturing Building, an AST associated with skimmed oil from the stormwater retention pond, and vegetated/landscaped areas.

The properties to the north of 36th Street SW were historically utilized for residential, agricultural, and commercial purposes. These areas currently include an asphalt-paved former employee parking lot, with a portion of an entrance to the overhead pedestrian trestle over 36th Street SW into the Main Manufacturing Building and a small structure that is part of the inactive groundwater pump and treat system.

Site photographs are presented in Appendix J.

5.3 Site Observations

5.3.1 Underground Storage Tanks (USTs)

Two currently-in-use USTs are present on the southwestern portion of the Site, including one 8,000-gallon gasoline UST and one 3,000-gallon diesel UST. These USTs are currently registered with the DNRE, with a registration expiration date of February 28, 2011.

According to City of Wyoming Fire Department inspection records reviewed, one 3,000-gallon diesel fuel UST (UL# J-261175) and one 8,000-gallon gasoline UST (UL# J-261174) were installed at the Site on July 10, 1985. The USTs and associated piping were air tested on July 12 and 29, 1985 and dispensers were installed on August 27, 1985. Authorization to fill the tanks was granted by the Fire Department on August 19 and 27, 1985. Based on CRA's review of the final inspection report dated February 20, 1986, installation of the USTs, piping, dispensers, and other related equipment met or exceeded all applicable State requirements and local ordinances. The final inspection report noted that the USTs were equipped with electronic leak detection equipment, tank level gauges, and overfill protection alarms. Based on DNRE WHMD records reviewed, Site inspections and/or records requests relating to the USTs (Facility ID No. 00016424) were conducted in January 1998, August 2001, January 2003, March 2003, April 2003, May 2003, April 2005, December 2006, and September 2008. Violations identified during the inspections generally related to signage, release detection equipment, and the fuel dispensers. According to records reviewed, all violations identified during the inspections were found to be in compliance during subsequent follow-up inspections. A potential leak from the 8,000-gallon gasoline UST was reported to the DNRE on April 27, 2006, based on leak detection readings (Incident No. S-0101-06). As a result, the Site is listed in the SPILLS database. It was noted in the database listing for the Site that the readings may have been due to a faulty sensor. Additional information reviewed at the Facility indicated that the leak detection reading resulted from a faulty sensor board that needed replacement. The Site was not listed in the LUST Database for this incident. Testing of Gasoline and Diesel Fuel Underground Tanks forms completed on 12 occasions between 1991 and 1998 were available for review on Site. According to the information reviewed, the items tested during each event included monitor well N.E., monitor well N.W., monitor well S.E., monitor well S.W., gasoline containment vessel, diesel containment vessel, catch basin (reportedly 12 feet deep), and pollution alert electrical system. No significant issues associated with these items were identified during the inspections. According to on-Site records reviewed, the gasoline and diesel fuel USTs were equipped with leak detection equipment. Daily leak detection printouts

dated between 1996 and 2001 were available for review and indicated relevant changes in fluid levels as “LD Failed”. CRA identified 32 possible leaks from the gasoline UST ranging from 0.10 and 4.61 gallons per hour (gal/hr) and eight possible leaks from the diesel UST ranging from 0.12 and 3.02 gal/hr.

Based on the review of a 1951 drawing, a 1,000-gallon gasoline UST and pump were identified south of Row 35 (no Column available), and just south of the outside of the 1950 addition on the eastern side of the Main Manufacturing Building. On a 1955 drawing, a “gas tank and pump” were identified as being relocated. There are no Columns or Rows identified on the drawing; however, the tank is shown to the north of the former Heat Treat Building and to the west of the former Baler House. No further details were identified on the drawing. It could not be confirmed that the 1,000-gallon UST identified on the 1951 drawing (after the 1950 addition) was relocated to the south after the 1954 addition in this area.

A proposal to conduct leak testing for eight USTs at the Site was prepared by O.H. Materials Co. and dated September 7, 1984. Based on CRA’s review of the proposal, the USTs to be leak tested were identified during a Site visit conducted on August 8, 1984 and included the following: two 50,000-gallon No. 2 fuel oil USTs, one empty 50,000-gallon UST, four 8,000-gallon USTs containing lubricated oils, and one 8,000-gallon gasoline UST. According to the information reviewed, at the time of the proposal, the 50,000-gallon USTs were approximately 14 years old, the gasoline UST was approximately 25 years old, and the four lubricated oil USTs were approximately four years old.

Three 50,000-gallon fuel oil tanks for boiler backup for the Power House were installed in 1970 to the north of the east cooling tower. According to records reviewed, the three 50,000-gallon USTs were removed from the Site on August 21, 1985. The UST removal was overseen by the Fire Department and according to the inspection report, two of the USTs contained “oil” and one contained fuel oil. The USTs were reportedly cleaned by Great Lakes Tank Cleaning Company and removed and disposed off-Site by Hardman Construction Company. Photographs of the UST removal included in the Fire Department file for the Site were reviewed by CRA. None of the photographs available for review indicated a release from the USTs and the USTs appeared to be in good condition at the time of removal.

A site plan available for review in City of Wyoming Fire Department records showed four 8,000-gallon fiberglass fuel oil USTs, and one 5,000-gallon gasoline UST located south of the plant, east of Railroad Track No. 5, and west of the cooling towers. It was noted on the plan that these USTs were slated for removal. No other information relating to the removal of the USTs was available for review.

Based on the review of available documentation from 1981, the Site historically utilized mineral spirits to dilute mineral seal oil utilized in operations. The mineral spirits and mineral oil were stored in four USTs (one mineral spirits UST and three mineral seal oil USTs) located to the south of Row 51 between Columns R and S. Based on the review of an air emissions permit application for the mineral spirits UST, the capacity of the

mineral spirits UST was approximately 7,800 gallons. The capacities of the mineral seal oil USTs were not identified; however, drawings of the tanks depict the three mineral seal oil USTs to be similar in size to the mineral spirits UST. According to review of the Environmental Impairment Liability Questionnaire dated October 13, 1982, mineral seal oil and mineral spirits were stored in underground tanks at that time. No further information regarding the mineral seal oil or mineral spirits USTs was available.

An internal memo reviewed on Site and dated May 29, 1984 noted that a “gasoline bulk storage tank,” installed in 1959, was in need of upgrade. No further information was available regarding this tank.

Removal of one 5,000-gallon gasoline UST (UL# D-993642) was inspected by the Fire Department on September 19, 1985. According to the inspection report, the UST was removed by Bosch Mechanical and Riverside Gravel Co., cleaned, and disposed off-Site. Based on review of the inspection report, no evidence or indication of a release was observed at the time of removal.

A MDNR Notification for Underground Storage Tanks dated April 24, 1986 was available for review in Site records. According to the Notification, six USTs were present at the Site at that time including one 3,000-gallon double-walled steel diesel UST, one 8,000-gallon double-walled steel gasoline UST, and four 8,000-gallon fiberglass reinforced plastic USTs. The 8,000-gallon plastic USTs reportedly contained mineral seal oil, mineral spirits, machine oil, and hydraulic oil. The 8,000-gallon plastic USTs were reported to be six years old and the gasoline and diesel USTs were reported to be one year old.

On Site records reviewed included plans and construction specifications prepared by FTC&H and dated April 1986 for the installation of one 8,000-gallon gasoline UST located west of the Executive Garage and modular buildings. A Post-It note attached to the plans indicated “never done.” No other information was available for review.

Based on the review available drawings, a 12,000-gallon oleum spirits UST was planned for installation associated with the AOF House; however, hand-written notes on Site drawings indicate that the tank was not installed. Additionally, a 420-gallon ferrolene UST was present to the south of the AOF House. No further information was available regarding the AOF House USTs.

Review of available drawings indicates the presence of numerous tanks, likely containing hydraulic oil for the presses, located in pits beneath the presses throughout the blanking area. Dimensions of the tanks were identified to primarily consist of 4-foot by 8-foot tanks on a concrete. These tanks are identified with Press Lines E, F, G, H, J and K, which are identified to be located between Columns C and K, Rows 13 to 22. These tanks were identified on a 1939 addition drawing, which may not illustrate all of the tanks actually present.

5.3.2 Aboveground Storage Tanks (ASTs)

According to Site personnel and available information, the following ASTs exist at the Site:

<i>Contents</i>	<i>Capacity (Gal.)</i>	<i>Location</i>	<i>Description</i>
Virgin Oil	9,700	Oil Stores	Steel, concrete secondary containment, within building
Reclaimed Oil	9,700	Oil Stores	Steel, concrete secondary containment, within building
Reclaimed Oil	6,000	Oil Stores	Steel, concrete secondary containment, within building
Used Oil	6,000	Oil Stores	Steel, concrete secondary containment, within building
Used Oil	100,000	WWTP	Steel, concrete secondary containment
Scum Holding Tank	3,000	WWTP	Steel, concrete secondary containment, within building containment
Used Oil (2)	6,000	WWTP	Steel, concrete secondary containment
WWTP Sludge	6,000	WWTP	Steel, within building
Oil/Water Separator	2,200	WWTP	Steel, within building
Diesel	500	Power House	Steel, within building
Diesel	900	Cooling Tower Pump House	Steel, within building
Diesel	400	South Pump House	Steel, within building
Diesel	500	West Pump House	Steel, within building

Water	500,000	Fire Pump Houses	Unknown
Cleaner	6,000	Oil Stores	Fiberglass, concrete secondary containment, within building
Oily Wastewater	45,000	WWTP	Steel, concrete secondary containment
Skim Oil	4,000	Retention Pond	Steel
Cooked Oil (2)	6,000	WWTP	Steel, concrete secondary containment
Oily Sludge	5,000	WWTP	Steel, within building
Caustic	Unknown	WWTP	Steel, within building
Sulfuric Acid	Unknown	WWTP	Steel, within building
Flocculant	9,000	WWTP	Steel, within building
Coagulant	Unknown	WWTP	Steel, within building

It should be noted that the above list does not include reservoirs or tanks associated with equipment. Numerous reservoirs containing hydraulic oil are present throughout the facility and are contained within the associated buildings. Based on discussions with individuals associated with the Site, all of the ASTs that require secondary containment are either situated within secondary containment or are of double-walled construction.

According to City of Wyoming Fire Department records reviewed, installation of a 100,000-gallon “fuel oil” AST at the Site was approved on September 15, 1988. Based on information reviewed, the AST would contain fuel oil for on-Site boilers. Based on review of DNRE WHMD records, the 100,000-gallon AST was registered (Facility ID No. 91041209) in 1990 as containing fuel oil; however, according to correspondence from the Site dated August 15, 2007, the AST never contained diesel fuel or fuel oil. The AST reportedly contained used (and dewatered) hydraulic and press oil with a flash point above 200 degrees Fahrenheit. Laboratory data verifying the flash point of the AST contents accompanied the correspondence. On this basis, the Site requested that the AST be removed from the DNRE’s registry. According to a Facility Inspection Report dated August 16, 2007, the DNRE updated the registration information for the Facility to reflect that the AST contained an unregulated substance. Additional inspections of the AST were conducted in 1995, 2000 and 2003. No violations were cited with the exception of one labeling violation identified in the 1995 inspection report. Site records reviewed included waste characterization data for a “100,000-gallon liquid waste tank”

dated April 23, 2004. Based on analytical data reviewed, no waste characterization parameters analyzed were detected above laboratory method detection limits.

Site records reviewed included waste characterization data for a “West 6,000-gallon oil tank” dated March 31, 2004, May 14, 2004, and June 15, 2004. Based on analytical data reviewed, PCE was detected in the March 2004 waste characterization sample at a concentration of 15 ppm and total organic halides were detected in the May 2004 sample at a concentration of 110 ppm. TCLP analysis for barium indicated concentrations of 23 ppm and 59.4 ppm in the March 2004 and June 2004 samples, respectively. No other waste characterization parameters were detected above laboratory method detection limits.

A 4,000-gallon AST, located on the west side of the retention basin, was identified by CRA during an inspection of the basin conducted in May 2001. According to information reviewed, the holding tank stored free floating product pumped from the retention basin via a skimmer installed in the outlet structure.

According to DNRE AQD records reviewed, one 4,000-gallon AST containing bulk deadener was historically located in the “bulk deadener storage area” (P-51). The AST was identified in Permit to Install No. 20-78 issued February 28, 1978.

No information regarding potential historical heating oil AST use at the former residences was available.

5.3.3 Hazardous Substance and Petroleum Use

According to Site personnel and based on observations made during the Site inspection, raw materials and chemicals are used and stored at the Site. Raw materials currently used and stored at the Site in significant quantities include: soluble/insoluble oils; floor soap; hydraulic oils; hexane; transmission fluid; sulfuric vacuum pump oil; gear oil; heat transfer oil; mineral spirits; coolants; grease; stencil inks; maintenance paints and thinners; salt; unleaded gasoline; diesel fuel; welding materials (rods, lead solder, sealants, and silver brazing flux); compressed gases (argon, oxygen, and propane); boiler, welder water, and cooling tower treatment chemicals; WWTP chemicals (flocculant, coagulant, aluminum sulfate [Alum], sulfuric acid, and caustic soda); parts washer chemicals; refrigerants; various aerosols; and miscellaneous adhesives, maintenance, and cleaning chemicals.

Raw materials and chemicals are generally stored near their point of use, in the maintenance areas, or in flammable goods cabinets, in 55-gallon drums, totes, aerosol cans, 5-gallon containers, USTs (see Section 5.3.1), or in ASTs (see Section 5.3.2). Based on discussions with Site personnel, all trenches and sumps near the chemical storage areas discharge to the on-Site WWTP via the process sewer system, with the exception of the salt storage area, which is near a storm drain that discharges to the stormwater retention pond. Chemical storage areas were generally observed to have good housekeeping. Based on the review of available information and discussions with Site personnel, coal was historically stored to the south of the former Power House within

a concrete bunker. No information regarding potential historical dust suppression practices was available.

Based on Site and agency records reviewed, raw materials and chemicals historically used in Site operations and/or stored at the Site in significant quantities included, but were not limited to: No. 2 fuel oil; No. 6 fuel oil; gasoline; diesel fuel; various oils, lubricants, and grease; fire resistant fluid; drawing compound; wastewater treatment polymers and chemicals; water and cooling tower treatment chemicals; halogenated solvents; benzene; toluene; xylenes; TCE (degreaser solvent); ethane; 1,1,1-TCA; ethyl alcohol; specially denatured alcohol; sulfuric acid; mineral seal oil; mineral spirits; sound deadener; zinc-rich primer; various adhesives; various paints, thinners and lacquers; anhydrous ammonia; antifreeze; lead; silver solder; chromium; copper; mercury; liquid steam cleaner; salt; and compressed gases (propane, oxygen, argon, nitrogen, ferrolene, and acetylene).

Based on the review of a 1950 drawing, a paint storage room was historically located at Columns Q-R, Rows 42-43 and an oil storage room was historically located at Columns Q-R, Rows 51-52.

Based on the review of Site documentation, the Site has an Industrial Use Permit (Permit No. SDA-MI-1215) with the Department of Treasury – Alcohol and Tobacco Tax and Trade Bureau for the use and storage of specially denatured alcohol (SDA). According to Site personnel, the Site does not currently store or use SDA.

An undated parts washer survey identified the following locations for 13 parts washers with capacities ranging from 5 to 80 gallons:

- TDO at Column V, Row 9 and Column R, Row 9;
- 9 Bay at Column I, Row 22;
- Pipefitters Shop at Column S, Row 25, Column X, Row 28, Column S, Row 26, and Column P, Row 52;
- Crib 3 at Column X, Row 25;
- WEMR Area at Column U, Row 26;
- Tractor Shop at Column V, Row 30;
- Machine Repair at Column S, Row 31;
- 23 Bay at Column Q, Row 51; and
- Power House at Column A, Row 2.

Based on Site records reviewed, paint used in plant operations in 1981 contained heavy metals including lead and chromium.

The Site maintains a Spill Prevention, Control and Countermeasures Plan (SPCC) and a Pollution Incident Prevention Plan (PIPP), which were last updated in April 2007 and August 2009, respectively.

Based on discussions with Site personnel, the Site utilizes on-Site personnel for lawn maintenance and landscape maintenance. Biocides are utilized in the cooling towers and for boiler water treatment.

Based on the reported historic use of the Site as cultivated farmland, agricultural chemicals, such as fertilizers, pesticides, and herbicides would likely have been used. The types of chemicals used, storage methodology, and the application rates could not be determined. No determination could be made regarding potential residuals remaining in Site soils. However, if the chemicals were applied in accordance with manufacturer specifications, residuals remaining in Site soils would be expected to be similar to other area properties and be representative of background conditions for the area.

5.3.4 Unlabeled Drums/Containers

Numerous drums and containers are present throughout the Site. CRA did not note any specifically unlabeled drums/containers; however, due to the quantity of drums/containers present at the Site, individual drums/containers were not inspected for labels. No leaking or bulging drums/containers were observed by CRA during the Site inspection.

5.3.5 Stained Soil or Pavement

Based on observations during the Site inspection, no areas of stained soil were present.

De minimis staining, consistent with operations of this type, was observed on various paved surfaces on the exterior of the Site. Significant oil staining was noted near the secondary containment sump for the Bulk Unload Area, near the trench drain on the chip drain pad, near the Baler House, and near the oil AST sump at the WWTP. Trenches/sumps in these areas discharge to the WWTP. Secondary containment is utilized throughout the plant at various locations, consisting of trenches, diked areas, and sumps, which are reported to be blind or lead to the on-Site WWTP.

5.3.6 Stains or Corrosion

Staining and corrosion, consistent with operations of this type, was observed on conveyor surfaces, in battery charging and chemical storage areas, and near equipment throughout the facility. Secondary containment is utilized throughout the facility at various locations, consisting of trenches, diked areas, and sumps, which are reported to be blind or lead to the on-Site WWTP.

5.3.7 Stressed Vegetation

Based on observations during the Site inspection, no areas of stressed vegetation were present.

5.3.8 Polychlorinated Biphenyls (PCBs)

Electricity for the Site is supplied by Consumers, who leases a portion of the Site to a substation and Switch House on the Site. The substation consists of a fenced gravel paved area with electrical equipment on concrete pads/footings, if appropriate. The electrical equipment in the substation was not observed to be labeled as to PCB content. Access to the Consumers portion of the Switch House, which is shared with the Site, was not available. Staining was noted on the gravel surface beneath one of the transformers in the substation. The Switch House consists of an exterior switch yard, which is a fenced area with gravel paving. The majority of the equipment in the switch yard appeared to be labeled as non-PCB. No staining was observed in the switch yard area. As the owner of the electrical equipment, Consumers would be responsible for any inspection, reporting or response to releases from the electrical equipment pursuant to the Toxic Substances Control Act (TSCA), if applicable.

Electricity is provided on Site by the following substations:

- Roof-Top Substations: Substations D, E, G, J, L, N, O, P, S, T, U, W, X, Y, and Z (Main Manufacturing Building) and Substations H and Q (Power House Substation);
- Basement Substations: Substations B, C, F, K, M and V (Main Manufacturing Building); and
- Ground Floor Substations: Substation R (Baler House).

No information was available regarding the potential historical presence of Substations A or I on the Site. These substations may have been associated with a former Site structure (i.e., former Power House, etc.); however, that could not be confirmed.

Based on observations during the Site inspection, discussions with Site personnel, and review of available information, there are no PCB transformers currently present at the Site. Transformers located at the Site are currently dry-type gas-filled with either nitrogen (N_2), octafluorocyclobutane (C_4F_8)(R-1318), or hexafluoroethane (C_2F_6)(R-116). Based on the review of the 2008 PCB Annual Log prepared by the Site on May 29, 2009, there are 109 large PCB capacitors (greater than 3 pounds) currently present at the Site and 141,853 kilograms of bulk PCB waste (wood floor block) was removed from the Site for the 2008 calendar year.

All of the roof-top substations, with the exception of the Substations H and Q, are currently located inside roof-top penthouses on the Main Manufacturing Building. The transformers associated with Substations H and Q are located on a fenced concrete pad. A roof drain, which reportedly leads to the storm sewer system, is present in this area.

Minor staining was observed on the concrete pad in the Substations H and Q. It should be noted that Substations H and Q historically included six PCB transformers, which were removed in 1981. Substations D and E have a concrete pad with overhead caging present on the exterior. Roof drains, which reportedly lead to the storm sewer system, are present in these areas. No observable staining was noted on the concrete pads. Based on the review of historical aerial photographs, the locations of these caged concrete areas correspond to what appears to be exterior caged substations. In addition, Substations G and J have areas that are currently enclosed, with roof drains, which correspond to two additional exterior caged substations. The concrete in these areas is different from that in the current interior substations, appears scarified, and no equipment is currently present in these areas. No staining was observed on the concrete in these areas. Evidence of a release on one of the transformers in Substation Y was noted by CRA during the Site inspection. A large capacitor labeled as PCB was observed in Substation E, with minor evidence of a release noted. No other evidence of releases from any of the electrical equipment in the roof-type substations was noted during the Site inspection; however, it should be noted that the majority of the floors in the substations were painted.

Staining was noted on the concrete floor in each of the basement substations in the Main Manufacturing Building. In addition, floor drains and/or sumps were observed in Substations B, C, F, and M, which reportedly discharge to the on-Site WWTP. Labeled PCB capacitors were observed in Substation B. It should be noted that Substation K historically included two PCB transformers and was used for long term PCB waste storage.

No significant staining was observed on the concrete floor or equipment in Substation R, located inside the Baler House.

A compactor, balers, hydraulic elevators, air compressors, hydraulic dock levelers, lighting ballasts, conveyors, cranes, and various manufacturing equipment (presses, etc.) are present at the Site, which currently utilize or historically utilized hydraulic fluids. In addition, heat treat operations were historically conducted at various locations on the Site, which utilized quench oils (see Section 5.2). Floor block is present at various locations throughout the facility. According to Site personnel, in the event a ballast containing PCBs is encountered, the ballast is segregated from non-PCB ballasts and shipped off Site for proper disposal. The hazardous waste storage area is utilized as an accumulation area for PCB wastes, prior to off-Site disposal. No other potential PCB-containing equipment was observed by CRA during the Site inspection.

Based on Site records reviewed for the period from 1977 to 1984 regarding PCB transformers present at the Site, eight PCB transformers were historically located at the Site including: Substation K (two transformers); Substation Q (three transformers); and Substation H (three transformers). A minor release from one Substation K transformer was identified during an inspection conducted on January 30, 1984. According to inspection records reviewed, a leak was observed from an un-capped pipe. The inspection record indicates that "both pipes" were subsequently capped and that this response action stopped the leak. Other "small leaks" from the Substation K transformers were identified during quarterly PCB Transformer Interim Measure Program inspections

conducted between August 1981 and November 1983. However, no significant releases were reported. According to records reviewed, the six PCB-containing transformers located over the Power House in Substations Q and H were removed from the Site in August 1981. The two remaining PCB transformers in Substation K were removed from the Site sometime between February and May 1984. Substation K was historically utilized as a long term storage area for PCB wastes.

According to Site documentation dated January 30, 1984, the MDNR conducted a PCB inspection at the Site on January 25 and 26, 1984. Samples of oil, cooling fluid, and drawing compound were reportedly collected during the inspection and analyzed for PCBs; however, no analytical results were available for review by CRA. According to the letter, no leaks or discharges were observed and the only issues identified during the inspection related to record keeping and labeling. According to the documentation, the issues were being addressed by the Site Engineer.

A Notification of PCB Activity was submitted to the U.S. EPA on March 29, 1990 and was acknowledged by the U.S. EPA in a letter dated May 24, 1990. According to the Notification of PCB Activity, the Site was a "generator with onsite storage facility."

According to Site records reviewed, the U.S. EPA issued an administrative subpoena on August 15, 1990 to GMC requesting information relating to potential PCB contamination and disposition of flooring materials in GMC plants located in Region V. As a result, Site personnel reviewed relevant records and issued a response dated October 30, 1990 and an addendum response letter dated November 14, 1990. According to the response letters, PCB use at the plant was primarily limited to electrical equipment including capacitors, transformers, fluorescent lights, and lighting ballasts. A review of analytical data for 75 samples of various oils and oily sludge dated between October 1978 and March 1990 identified that PCBs were detected above method detection limits on four occasions. In March 1987, Aroclor 1242 was detected at a concentration of 27 ppm in a waste oil sample collected from a trench at Column Q-44. PCBs were also detected at a concentration of 1 ppm in one waste oil sample collected in 1979. In March 1980, PCBs were detected in samples collected of specific oil products that were being considered for use on the Site (Thomas Oil Co. crankcase oil – 28 ppm Aroclor 1242 and Stoddard crankcase oil - 18ppm Aroclor 1254). Use of the Thomas oil was discontinued in 1985 and based on the analytical results for PCBs, the Stoddard oil was never put to use at the Site. According to information reviewed, PCBs were not detected in any other new or waste oil samples collected between October 1978 and March 1990; however, it should be noted that the information provided only includes results for Aroclors 1242, 1254 and 1260, with not all samples analyzed for all three Aroclors. According to Site records reviewed, a capacitor leak occurred on March 10, 1987 at Column Q-44. Wood floor blocks in the vicinity of the leak were suspected to be contaminated with PCBs. Therefore, 0.4 cubic yards of floor block were removed and stored in 55-gallon drums in Substation K prior to being transported off-Site for incineration on November 24, 1987.

CRA reviewed available Site PCB Annual Document Logs dated between 1986 and 1998. The earliest log available for review (for calendar year July 1, 1986 through June 30, 1987) indicated that a total of 409 large low-voltage regulated PCB capacitors

(5230.5 kg PCBs) were in service at the Site as of June 30, 1987, including 238 capacitors located in the Tool & Die Press Department, 169 capacitors located in Metal Assembly, and two capacitors located in the Tannewitz Building (off-Site). Additionally, 18 large high-voltage PCB capacitors (180.6 kg PCBs), located in the Power House, were recorded as “in service” for the same time period. A list of Site capacitors dated July 7, 1977 available for review indicated 55 capacitors were identified to be present in TDO and 52 capacitors were present in Metal Assembly at that time.

Hazardous Materials Committee Meeting notes dated October 27, 1988 reviewed at the Site noted the presence of PCBs in fluorescent lighting at the Site. Based on CRA’s review of PCB Annual Document Logs dated between 1986 and 1998, numerous lighting ballasts containing PCBs were removed from the Site during that period of time. After removal, PCB ballasts were stored in 55-gallon drums at Substation K prior to disposal off Site.

GM submitted a letter to the U.S. EPA on March 10, 1999 requesting authorization to store bulk PCB remediation waste in covered roll-off boxes at the Site. Authorization to store bulk PCB remediation waste in lined and covered roll-off boxes for up to 180 days was granted in correspondence from the U.S. EPA dated March 9, 2000, and February and July 2004.

According to Site file information dated April 30, 2002, on April 2, 2002, Site personnel randomly selected and sampled 20 percent of the hydraulic equipment installed at the plant prior to 1978. No PCBs were detected in the hydraulic fluids analyzed. Based on the review of historical documentation, hydraulic fluids utilized at the Site were reported to be ethylene glycol-based lubricants.

A folder labeled “PCB Cleanup TDO Presses C-1, C-2, C-3” and dated November 2002 was available for review at the Site. Based on information reviewed, eight-inch drip pans were located in the center of each press between floors. Aroclor 1254 was detected in wipe samples collected from the presses in October and November 2002. The presses were subsequently cleaned using solvent. No PCBs were detected in wipe samples collected after the presses were rinsed with solvent. No PCBs were detected above laboratory method detection limits in oil samples collected from the presses.

5.3.9 Solid Waste

5.3.9.1 Solid and Special Waste

The Site generates a variety of solid and special wastes with the associated on-Site management and off-Site disposal/recycling facility as listed below:

<i>Wastestream</i>	<i>On Site Management</i>	<i>Off Site Management</i>
Adhesives and Sealers, Aerosol Cartridges,	Drums/Roll/Offs	Disposed – Waste Management

Battery Charge Debris, Blanks Wash Filters, Myxlex Filters, Parts Washer Filters, Plant Trash, General Refuse, Rags and Debris, Steam Clean Sludge, Used Grease, Used Oil Filters, Welder Water Filters, Non- Hazardous Floor Block, Railroad Ties, Cardboard, Wood, Plastic		
Batteries, Computer Equipment and Electronics, Fluorescent Bulbs, Mercury Devices, Non-PCB Ballasts, Non-PCB Small Capacitors, Smoke Detectors	Designated Containers	Universal Waste – Clean Lites
PCB Ballasts, PCB Contaminated Concrete, PCB Contaminated Wood Floor Block	Roll-off	Disposed – Wayne Disposal
Medical Waste	Bags	Disposed – Stericycle
Used Oil with Barium, Used Oil/WWTP Sludge	Drums/Tanker Truck	Recycled – General Oil
Asbestos	Bags/Roll-offs	Disposed – Waste Management
Concrete	Roll-off	Recycled – West Michigan Recycle
PCB Large Capacitors	Drum	Disposed - Veolia

The Site holds a Certificate of Registration as a Producing Facility of Medical Waste. The Certificate (Certificate No. 50420 and Registration No. 5110) was issued on December 17, 2009 and expires on December 31, 2012.

According to Site personnel, no solid wastes have been disposed on Site. No evidence of the on-Site disposal of solid waste was observed by CRA during the Site inspection. Based on the review of a historical aerial photograph taken between 1950 and 1954, an area of potential fill activities was identified to the south of the Main Manufacturing Building. No further information was available regarding the potential on-Site fill activities.

Based on the review of historical drawings, two incinerators were formerly located on the Site. One of the incinerators was located to the south of the former Power House, to the east of the railroad tracks and one of the incinerators was to the southwest of the former Power House between Columns H and J, south of Row 40 (numbering did not extend that far south on the drawing). No information regarding the nature of the materials burned in the incinerators was available. No information regarding construction or demolition dates of the incinerators was available.

Based on the review of a 1953 drawing, a coolant recovery and chip disposal system, including sterilizer, was present between Columns Y-W, Rows 49-50. No further information regarding the system was available.

According to correspondence between the Site and the MDNR dated August 12, 1991, waste oil was burned using Boiler No. 1 beginning in at least 1980. Waste oil generated at the facility was tested semi-annually and deemed non-hazardous. However, according to interoffice communication between AQD and WHMD dated October 8, 1991, analytical data submitted by GM showed some waste oils analyzed to contain greater than 1,000 ppm total halogens classifying the oil as hazardous waste. A memo available for review on Site regarding Alternative Boiler Fuels and dated April 15, 1980 indicated that "many of the waste oils checked thus far as possible boiler fuels contain traces of PCBs."

Based on the review of available documentation, an Automobile Manufactures Industrial Solid Waste Survey completed for the Site in 1970. According to the survey, solid waste generated at the facility consisted of the following classifications: garbage, cardboard, paper, wood, plastics, oils, flammable liquids, residues & tars, oily wastewater treatment sludge, inert solids, and special wastes. At that time the Site noted that chloroethene waste and zincilate with xylol had to be disposed in sealed containers due to toxic and flammable properties.

An Environmental Impairment Risk Survey available for review at the Site and dated October 1982 indicated that waste materials stored at the Site at that time included oily sludge from the wastewater treatment plant and zinc primer residue. Approximately 40,000 gallons of oily sludge, containing oil, grease, aluminum hydroxide, and water, was generated per year and stored in an AST for off-Site disposal. Zinc primer residue

(approximately 3,000 gallons per year) was stored in “barrels” for up to 60 days prior to being shipped back to the paint vendor for recycling.

Based on review of a GM Solid Waste Management Survey for calendar year 1979, solid waste processes or sources contributing to the waste stream at the Site included cafeteria, shipping, offices, production, construction, janitorial, press leaks and drawing compound, and wastewater treatment plant. The information reviewed further indicated that waste oil and oily sludge were stored in one of three on-Site ASTs (total capacity 15,000 gallons). Approximately 72,000 gallons per year of waste oil was used as boiler fuel and approximately 38,000 gallons per year of oily sludge was disposed off Site.

5.3.9.2 Hazardous Waste

Based on review of available records, the Site submitted an initial Notification of Hazardous Waste Activity with U.S. EPA I.D. No. MID0060204083 to the U.S. EPA in August 1980. According to the notification, the facility generated and treated, stored or disposed hazardous wastes F010, F017, U238, and hazardous waste with toxic characteristics. The Site submitted a RCRA Hazardous Waste Part A Permit application to the U.S. EPA in November 1981. The facility reportedly operated two hazardous waste treatment tanks inside the main plant building and a zinc-primer residue storage area located south of the plant. It was reported that the treatment tanks and storage area contained only paint-related waste (F017). However, it was subsequently determined that F017 listed waste was temporarily suspended from regulation under RCRA. Furthermore, the paint-related waste was analyzed for hazardous waste characteristics and deemed non-hazardous. Therefore, in August 1982, GM filed a request for withdrawal of their Part A Permit. Withdrawal of the Part A Permit was approved by the U.S. EPA in a letter dated September 13, 1982 on the basis that wastes treated, stored or disposed at the facility were not defined as hazardous waste.

Based on DNRE WHMD records reviewed, RCRA inspections were conducted at the facility in February 1982, September 1987, May 1994, October 1996, December 1999, and November 2003. Violations were noted at the facility during the May 1994 inspection relating to container labeling and storage methods. According to an MDNR letter dated June 30, 1994, the violations were corrected and the facility was in compliance.

Based on review of available records, the Site submitted an initial Notification of Hazardous Waste Activity with EPA I.D. Number MID006020408 to the U.S. EPA in August 1980. Subsequent Notifications or Site Identification Verifications available for review were submitted in 1986, 2000, 2002, 2003, and 2004. Based on information reviewed, the facility was registered as a SQG or CESQG of hazardous waste from the early 1980s until mid 1995 and from October 2003 to 2009. In August 1994, the Site informed the MDNR that contaminated soil generated from press removal and relocation at the facility was classified as hazardous waste and would be shipped off-Site for disposal. According to the correspondence, the activity was a one-time occurrence and would not change the facility’s status as a SQG. However, MDNR subsequently issued a Letter of Warning to the facility on August 9, 1995 citing that the facility exceeded the

2,200 pound SQG limit during at least five of the previous 12 months and required that the plant change its generator status to LQG. The Site submitted the change of status request to the MDNR on August 15, 1995. Based on information reviewed, the facility was registered as LQG from approximately 1995 to 2003 and the facility requested a temporary change to LQG status from SQG status for one month in January 2004.

According to notification information, and inspection and Biennial reports reviewed, hazardous waste generated at the facility between 1980 and 2005 included characteristically hazardous wastes that are ignitable (i.e., D001), corrosive (i.e., D002), reactive (i.e., D003), and hazardous waste with levels of barium, cadmium, lead, mercury, 1,1-dichloroethene, PCE, and benzene above the associated TCLP criteria. Listed hazardous waste generated at the Facility included halogenated and non-halogenated solvents (i.e., F001, F002, F003, F004, and F005), off-specification/discarded (i.e., U220, U239, and U226) and residue associated with heat treating operations in which cyanides were used (i.e., F010). Universal waste generated on-Site included batteries and fluorescent lamps.

According to correspondence from the MDNR dated July 2, 1980, the Site was granted approval to transport and dispose hazardous waste stream No. 928. According to the attached Generator Waste Analysis Form, the hazardous waste consisted of “bottom settlings” from an oil separator. The Site reportedly generated approximately 4,000 gallons per year. As listed on the form, components of the waste content included oil, water, dirt and the following compounds; lead, zinc, nickel, copper, cadmium, chromium, mercury, phosphorus, cobalt, and lithium. No information regarding the process that generated the “bottom settlings” was available.

5.3.10 Site Drainage

Stormwater generated at the Site consists of run-off from the Site structures and hard surfaced areas and general rainwater falling on unimproved surfaces. Rainwater falling on unimproved surfaces infiltrates Site soils or discharges by sheet-flow to the on-Site catchbasins. Stormwater falling on hard surfaced areas and the building roofs is collected in underground drains and surface catchbasins that discharge to the storm sewer system, the on-Site stormwater retention pond, or the on-Site WWTP, dependent upon location. According to Site personnel, catchbasins located in chemical loading/unloading, waste storage, equipment storage, and other areas where chemicals may potentially come in contact with stormwater discharge to the on-Site WWTP prior to discharge to the City of Wyoming municipal sanitary sewer system.

The Site currently maintains National Pollutant Discharge Elimination System (NPDES) Permit No. MI0043877, effective October 1, 2006 and with an expiration date of October 1, 2010. The NPDES permit authorizes discharge of non-contact cooling water, foundation drainage, and stormwater from the Site retention pond to the Cole Drain via Outfall 010. The Site retention pond is an approximate 0.5-acre pond, approximately five feet deep, with a 610,000-gallon maximum capacity, which discharges to Cole Drain via Outfall 010. The permit further authorizes the discharge of unregulated stormwater to the Cole Drain from additional storm sewer Outfalls (011, 012, 013, and 014). The permit

was issued with effluent limits (0.202 MGD) for Outfall 010 and monitoring requirements for two monitoring points, 010A and 011A. According to the permit, the Site is required to monitor total dissolved solids, chloride, and sulfate at monitoring point 010A on a quarterly basis. The Site is also required to monitor total copper in effluent at Monitoring Point 011A on a weekly basis and hexavalent chromium on a quarterly basis. The Site is required under the permit to submit Monthly Discharge Monitoring Reports (DMRs). The initial NPDES permit for the Site was not available for review. However, the current permit was preceded by renewed permits effective from January 1, 1997 to October 1, 2000 and July 1, 2001 to October 1, 2005. Based on review of the previous NPDES permits, monitoring for TCE, 1,1-DCA, and copper at Outfall 010 was historically required.

Based on review of correspondence dated January 5, 2010, the GM LLC sent a request for reduced monitoring to the DNRE Grand Rapids District Office on November 13, 2009. The request for reduced monitoring was based on the fact that production at the Site was limited and scheduled to cease entirely. Accordingly, the DNRE approved the following changes to the monitoring requirements for the Site effective February 1, 2010: flow monitoring and outfall observations were eliminated at Outfall 010, hexavalent chromium monitoring and outfall observations were eliminated at Outfall 011, and total copper monitoring at Outfall 011 was changed from weekly to quarterly. Quarterly monitoring requirements for total dissolved solids, chloride, and sulfate remained the same. It was noted that quarterly monitoring would be conducted in January, April, July, and October 2010.

The earliest NPDES permit available for review was effective November 19, 1984 through October 31, 1989. The permit was based on an application submitted to the U.S. EPA and MDNR dated March 10, 1982 and updated July 6, 1982. Based on information reviewed, the permit was issued with the following monitoring requirements: weekly flow monitoring at Outfall 010 and weekly outfall observation at Outfalls 010, 011, 012, and 013. Outfall 014 was constructed at the Site sometime in 1986/87 concurrent with building expansion activities. The outfall was constructed to discharge water from roof drains associated with the building expansion only. A new NPDES permit was issued effective July 1, 1988 to include Outfall 014. The permit had an expiration date of October 1, 1990 and superseded the previous permit set to expire on October 31, 1989. Based on information reviewed, a subsequent permit was issued August 22, 1991 and was effective December 1, 1991 through October 1, 1995 with same monitoring requirements as the preceding permit. The permit was modified in March 1994 to include monthly monitoring of TCE at Outfall 010, due to the discharge of treated groundwater from the groundwater extraction system, which was previously discharged to the City of Wyoming sanitary sewer system (see below).

A renewed NPDES permit issued on September 27, 1996 (effective January 1, 1997 through October 1, 2000) was also available for review in WB records. Based on information reviewed, the Site contested the total copper effluent limitation and monitoring requirements set forth in the permit in a Petition for Contested Case Hearing dated November 25, 1996. A modified NPDES permit (MI0043877) was issued to the facility effective May 27, 1998 as a result of a Stipulation of Settlement of Contested

Case agreed upon by the Site and the DNRE. The permit required the Site to develop and implement a Copper Source Identification Plan for the facility by July 1, 1999. Earth Tech, Inc. prepared a Copper Source Identification Plan for the Facility dated August 1999. Based on review of the report, weekly monitoring for copper was conducted at Outfall 010 beginning June 13, 1997. Additional samples were collected from potential sources. The report indicated that no industrial process at the facility was identified as a likely source of copper in discharge from Outfall 010. A site plan showing copper on the facility roof (dated March 27, 1997) and a survey identifying copper gutters and flashing at the facility (dated December 19, 1997) were reviewed at the Site. It was noted in correspondence between GM and DNRE representatives (dated between 1996 and 1998) that copper-containing construction materials or appurtenances in or on facility buildings may contribute copper to stormwater. However, it was decided that in accordance with the Clean Water Act, building materials could not be considered an industrial activity. Therefore, the Site was required to monitor copper in effluent, but the effluent limitation for copper originally imposed in the September 1996 permit was removed.

According to information reviewed, GMC requested in August 1993 that the NPDES permit authorize discharges of treated groundwater to Cole Drain via Outfall 010, which had previously discharged to the sanitary sewer system. The on-Site groundwater pump and treat system, which was the source of treated groundwater, was reportedly shut down and disconnected from the storm sewer system in May 2005. The system treated groundwater contaminated with chlorinated VOCs, primarily TCE. Accordingly, monthly monitoring for TCE (weekly monitoring was required until April 1994) in effluent at Monitoring Point 010B was required during the period of time that the treatment system discharged to the stormwater system. 1,1-DCA was also detected in effluent from the groundwater treatment system in December 1994. Although 1,1-DCA was not detected above method detection limits in subsequent samples, the Site requested that monitoring requirements for this parameter be added to the NPDES permit in a letter dated June 6, 1996. Foundation drainage samples were collected in October 2005 and analyzed for 1,2-DCE, PCE, and TCE. According to correspondence from the Site dated November 4, 2005, PCE was detected in the samples; however, the letter indicated the PCE present in groundwater at the Site was known to have originated from an off-Site source.

NPDES Compliance Evaluation Inspections (CEIs) were conducted at the facility by WB personnel on February 22, 2000, April 30, 2003, August 30, 2004, March 24, 2005, September 25, 2006, May 31, 2007, and November 3, 2009. A violation was identified during the April 30, 2003 inspection. According to the inspection report, the NPDES permit effective July 1, 2001 required that the Site conduct a Stream Characterization Study, which included quarterly monitoring for total copper and total hardness at monitoring point 000A in Cole Drain (downstream of Outfall 010). Monitoring associated with the study had not commenced at the time of the inspection. Monitoring began immediately following the inspection and the first quarterly monitoring report was submitted to the DNRE on June 4, 2003.

The most recent (November 3, 2009) CEI was discussed in correspondence issued to the Site by the DNRE dated November 18, 2009. According to the letter, only Outfalls 010

and 011 were regulated by the NPDES permit at the time of the inspection. All other process flows were directed to the sanitary sewer. Outfall 010 consisted of storm water drainage from the south parking area, foundation drainage from the CX conveyor area, and foundation drainage from PP1 area. Outfall 011 consisted of plant roof drainage and stormwater drainage from the 36th Street parking area. The Site was determined to be in compliance with the NPDES permit requirements at the time of the inspection.

A Chronic Toxicity Assessment of Outfall 010 Effluent was conducted by DNRE personnel in April 2004. According to information reviewed, the effluent was not toxic to *Ceriodaphnia dubia*.

Based on review of an Industrial Environmental Performance Review conducted at the Facility in April 1981, stormwater from outdoor storage areas was directed to the retention basin prior to discharging to Cole Drain. However, it was also noted that at the time of the report, all roof drains and some yard drains discharged directly to the municipal storm sewer without passing through the retention basin.

According to the 1982 NPDES permit application, the following parameters were detected in stormwater at Outfall 010: fluoride, nitrate-nitrite, oil & grease, sulfate, surfactants, cobalt, iron, manganese, antimony, copper, lead, mercury, nickel, thallium, zinc, and phenols. The same parameters were also detected in storm water at Outfall 011 with the exception of cobalt, thallium, and phenols and addition of cadmium and chromium. According to Michigan Act 293 Wastewater Reports (for reporting years 1989, 1990, 1991, 1993, and 1994) available for review in Site records, critical materials reported in the discharge from Outfall 010 at that time included antimony, cadmium, chlorine, copper, selenium, chloroform, diethylhexyl phthalate, nickel, and zinc.

Based on Site records reviewed, discoloration and elevated BOD, COD, TOC, and copper were observed in a sample collected from Outfall 011 in June 1987. An investigation was subsequently conducted by EDI to determine the cause of the abnormalities in the storm water discharge. Based on review of the EDI report dated August 14, 1987 and GM-MDNR-EDI correspondence dated between July 1987 and January 1988, the elevated BOD, COD, and TOC concentrations and discoloration were attributed to organic material leached from the asphaltic building roof. The elevated copper concentrations were believed to result from leaching of copper from downspouts during a highly acidic rain event.

5.3.11 Pits, Ponds, Lagoons and Pools of Liquid

Numerous pits, trenches and sumps were identified during the Site inspection. According to Site personnel, numerous pits have historically been cleaned and filled with sand and/or concrete. No documentation was available to confirm the cleaning of filled pits or their locations. Some of the pits that currently exist on the Site require confined space entry to be fully inspected. Pits, trenches and sumps at the Site are typically associated with presses and process equipment, basement conveyor systems, containment, cleaning areas, and waste handling systems. Based on the review of facility drawings and

discussions with individuals associated with the Site, several below grade areas were historically associated with former on-Site structures (see Section 2.3).

Based on files reviewed at the facility, the stormwater retention basin was originally constructed in 1972 on property owned by Consumers, for which the Site secured an easement agreement. CRA conducted an inspection of the retention basin in May 2001 and provided the Site with recommendations for repairs. The basin was reported to be lined with a rubber liner and equipped with two containment booms that used to divert floating oil to a skimmer installed in the basin outlet. Oil was pumped from the skimmer to a 4,000-gallon AST located adjacent to the west of basin. Significant sediment accumulation and vegetation growth were also observed in the retention basin during the inspection. Recommended repairs or upgrades included: replacement and upgrade of the basin liner; removal of sediment; grading of banks to increase storage capacity; concrete repair; boom replacement; and holding tank refurbishment. In 2002/2003, modifications were implemented to the stormwater retention pond. Sediment samples collected from the retention pond in September 2002 were analyzed for metals, 1,2-DCA, select VOCs, and PCBs. TCLP analysis for metals, select VOCs, and SVOCs was also conducted. No VOCs, SVOCs, or PCBs were detected above laboratory method detection limits. Metals, including arsenic, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc were detected in the sediment above laboratory method detection limits in both the total metals and TCLP metals analysis.

No lagoons were observed by CRA during the Site inspection.

No pools of liquid, other than the oil referenced above related to the equipment pits, were observed by CRA during the Site inspection.

5.3.12 Wastewater

Based on interviews with Site personnel and facility records reviewed, process wastewater generated at the Site is discharged to an on-Site WWTP. Once treated, process wastewater is discharged to the City of Wyoming sanitary sewer under Industrial User Permit No. 0038 (Wastewater Permit). The Wastewater Permit was effective on April 4, 2006 and expires on April 3, 2011. The Wastewater Permit covers Outfall 021 (located on the east side of the Power House in the parking lot, which includes the discharge from the WWTP) and Outfall 022 (domestic wastewater). There are no monitoring requirements associated with the Wastewater Permit.

Based on a Listing of Plant Wastewater Outfalls (date unknown) available for review in Site records, seven wastewater Outfalls (020, 021, 022, 024, 023, 025, and 026) discharged from the Site to the City of Wyoming municipal sanitary sewer system. According to the information reviewed, treated process wastewater from the WWTP discharged from Outfall 020 and combines with process wastewater, sanitary wastewater, and cooling tower blow-down discharged via Outfall 021. The remaining outfalls discharged sanitary wastewater.

According to Site records reviewed, the WWTP was constructed in 1970. The WWTP was originally constructed to pre-treat process wastewater discharged from the heat treat, battery charge, steam clean, press pit, and elevator pit areas. Information dated 1987 indicated that areas covered by the process waste collection system included the steam clean booths, the heat treat area, metal assembly, the press room pits, the steel stores conveyor trench, and the battery wash area. According to the information reviewed, the following sump locations and wastes were associated with the areas covered by the collection system in 1987:

Area	Sump Location	Waste
Steam Clean Booths	Col. ZC-13 & O-28	Oil, grease, drawing compound
Heat Treat Area	Col. O-3	Water, oil
Metal Assembly	48 sundry sumps	Water, fire retardant, hydraulic oil from weld presses and hydraulic units
Press Room Pits	Col. D-11, D-12, D-18, E-35, M-39, E-44, and A-55	Oil, drawing compound
Steel Stores	Col. C-36, AA-1, AA-6, AA-15, AA-24, and AA-32	Oil, mineral spirits, water, diesel fuel
Battery Wash Area	Col. V-30	Dirt, oxides, sulfates, acid

Oily process wastewater from sump pits located in the press room and metal assembly area as well as from two steam clean booths are pumped to an aboveground 5,000-gallon oil skim tank located in the WWTP. Wastewater from the separator tank discharged to one of two 45,000-gallon holding and treatment tanks located on the east side of the WWTP. Oil from the 4,500-gallon separator tank was pumped to one of two 6,000-gallon waste oil cook tanks also located east of the WWTP where it was heated to remove water and be used as boiler fuel in the Power House (used oil is not currently burned in the Power House boilers). Reclaimed used oil is currently discharged to a 100,000-gallon AST, which was noted on construction drawings to be situated on "oil soaked sands". Underground piping is present associated with the WWTP operations. When one of the holding tanks was near full and ready for treatment, the influent wastewater from the oil separator tank was directed to the other 45,000-gallon holding tank. Secondary containment is provided by a concrete berm around the tank area with drains that discharge to the WWTP. Concrete berm secondary containment is also present for the cook oil and reclaimed used oil ASTs.

The treatment process consisted of air agitation for approximately one-half hour followed by manual addition of liquid cationic emulsion breaker and liquid aluminum chloride to initiate separation of oily sludge and water. Oily sludge was pumped to a 2,200-gallon separator tank before ultimately discharging to a 5,000-gallon oily sludge storage tank for off-Site disposal. Water from the 2,200-gallon separator tank was fed back to one of the holding and treatment tanks. Water separated in the treatment tanks was transferred to an air saturator tank which discharged to a dissolved air flotation unit (DAF). As

wastewater flowed through the DAF it was mixed with a coagulant aid polymer before discharging to the sanitary sewer. The remaining flocculant floating in the DAF unit was skimmed to the oily sludge tank.

Significant oil staining was observed in the WWTP during the Site inspection, and oil staining was noted near a sump adjacent to the two 6,000-gallon ASTs.

Based on the review of available documentation and discussions with Site personnel, the City of Wyoming conducts outfall sampling on a routine basis. The Site has had exceedances of the permit limitations in the past, including, but not limited to oil and grease, five-day biochemical oxygen demand (BOD₅), ammonia, zinc, and beryllium; however, all but one incident has been closed out. A Significant Noncompliance was issued by the City of Wyoming to the Site on March 23, 2010 due to chronic exceedances of the Wastewater Permit limitations for BOD₅. GM LLC submitted a BOD Compliance Plan to the City of Wyoming on April 20, 2010, which identified the following actions related to mitigating the previous exceedances:

- The kitchen associated with the former cafeteria ceased operations in 2009. Young's Environmental cleaned the kitchen grease trap and flushed the piping from the grease trap to the main wastewater outfall on March 24, 2010.
- The Site no longer meets the definition of a Significant Industrial User per the City of Wyoming Ordinance based on current volumes of water utilized.
- GM LLC will be ceasing operations at the Site at the end of June 2010, at which time operations will be turned over to MLC. As such, any future activities impacting wastewater discharges from the Site were identified by GM LLC to be the responsibility of MLC.

The Site issued a request to the City of Wyoming to discharge approximately 100,000 gallons per day of groundwater to the City POTW dated July 31, 1998. According to the letter reviewed, the Site planned to excavate soil from Bays 17 and 20 to install new equipment beginning in September 1998 and groundwater would be pumped directly to the sanitary sewer from the excavation.

Based on review of an Inter-organization letter dated July 2, 1981, sink drains in TDO heat treat and the north weld booth were re-directed in April 1981 to discharge to the on-Site WWTP.

According to correspondence dated May 28, 1975, one of the on-Site cooling towers overflowed due to an equipment malfunction on May 25, 1975, causing a surge of 10,000 gallons of water to be discharged to the sanitary sewer during a seven minute period. As a result, the City of Wyoming limit for zinc was exceeded. According to the information reviewed, the City of Wyoming was contacted and no violation was issued to the Facility.

A trench drain is located in the bulk unload area. The trench drain is approximately 70 feet long by one-foot wide and drains to a sump located adjacent to the bulk unload

area. From there, liquids are discharged to a sump within the plant inside an adjacent truck dock, which discharges to the on-Site WWTP via aboveground piping lines.

Michigan Act 293 Wastewater Reports for reporting years 1974, 1984 through 1991, 1993, and 1994 were available for review in Site records. The Facility Number was reported to be 410158. Based on review of the 1974 Report, activities generating wastewater at the Site included two steam clean booths and various sump pits which discharged to the on-Site WWTP. Critical materials were reported for one outfall, Outfall 01. Outfall 01 discharged an estimated 34 percent process wastewater and 66 percent sanitary wastewater to the municipal sanitary sewer. The critical materials reportedly discharged through Outfall 01 included antimony, cadmium, chromium, copper, lead mercury, nickel selenium, silver, sulfides, zinc, ammonia, anilines, benzene, butyl alcohol, chlorinated benzene compounds, hydroquinone, naphthenic acid, phenolic compounds, phthalates, styrene, toluene, and xylenes.

Two outfalls, including Outfall 021 and stormwater Outfall 010 were reported for the remaining reporting years. According to the reports, Outfall 021 discharged 95 percent process wastewater and 5 percent sanitary wastewater to the municipal sanitary sewer. Non-contact cooling water and stormwater run-off were discharged to Cole Drain, which discharges to Plaster Creek, through Outfall 010. The following critical materials associated with the Site and/or its operations were listed for one or more of the reporting years: antimony, cadmium, chromium, cobalt, copper lead, lithium, mercury, nickel, silver, selenium, zinc, xylene, benzene, acrylic acid, 1-chloro-2,3-epoxypropylene, di-n-butyl phthalate, di-h-octyl phthalate, bis(2-ethylhexyl) phthalate, diethylhexyl phthalate, hydroquinone, styrene, PCE, 1,1,2-TCA, 1,4-dioxane, chloroform, methylene chloride, toluene, phenol, asbestos, chlorine, and PCBs. These critical materials were listed as being discharged from Outfall 021 or with no outfall designation.

5.3.13 Wells

According to individuals associated with the Site, potable water is currently supplied to the Site by the City of Wyoming. According to individuals associated with the Site, no water supply, oil/gas, irrigation, or dry wells are currently or were historically present on the Site. No evidence of any water supply, oil/gas, irrigation, or dry wells was observed by CRA during the Site inspection.

Numerous monitoring wells, which were installed during on-going and historical subsurface investigations, are present at the Site. Based on the review of available Site drawings and Sanborn maps, Deep Well No. 6 and an associated Pump House were historically located to the west of the Main Manufacturing Building, near Column ZZ, Row 8 ½, with the well located at Row 7. The well and Pump House were removed prior to 1971. No information was available regarding the abandonment procedures employed for the well or the demolition activities conducted for the structure. This area is currently underneath the Main Manufacturing Building. No information was available regarding potential wells associated with the former residential properties. In addition, Well Nos. 11 through 16 were located on the Clay Avenue Parking Lot portion of the Site from at least 1957 to 1960. No information regarding these wells was available.

5.3.14 Septic Systems

The Site is currently connected to the City of Wyoming municipal sanitary sewer system for the discharge of domestic wastewater. Process wastewater generated during Site operations are discharged to the on-Site WWTP for treatment prior to discharge to the City of Wyoming POTW (see Section 5.3.12).

According to individuals associated with the Site, no septic systems are currently or were historically present on the Site. No evidence of any septic systems was observed by CRA during the Site inspection. No information was available regarding potential septic systems associated with the former structures on the Site.

5.3.15 Odors

CRA did not note readily noticeable strong, pungent, or noxious odors at the time of the Site inspection, other than a musty odor in the Stormwater Pump House and a general oil odor in the Main Manufacturing Building, Baler House, and WWTP, consistent with the nature of the operations conducted at the Site.

5.3.16 Air Emissions

According to information reviewed, the Site submitted a Renewable Operating Permit (ROP) Application for the Site in 1996. Based on CRA's review of correspondence between the Site and the DNRE dated December 21, 1998, the Site requested voiding of the ROP application based on operational changes at the facility. As such, ROP Application No. 199600097 was voided on June 5, 2002 and an Opt Out Permit with a source class of "synthetic minor" was issued to the Site on May 28, 2002. The Site is currently operating under DNRE Permit to Install (PTI) No. 79-99. Based on the review of available documentation, the GM LLC submitted the Michigan Air Emission Reporting System (MAERS) report for reporting year 2009 on December 10, 2009. The PTI was approved on February 28, 2002 and applies to facility-wide air emissions.

The PTI covers the following Emissions Units:

- Three boilers (Boiler No. 1 [EU-BOILER-1], Boiler No. 2 [EU-BOILER-2], and Boiler No. 3 [EU-BOILER-3]) located in the Power House, with a maximum heat input of 66 MM BTU/hr and capable of burning natural gas, No. 2 fuel oil, No. 4, fuel oil, No. 6 fuel oil, and waste oil;
- All maintenance paint booths at the facility (EU-PAINT); and
- All mineral spirit using devices at the facility (EU-MIN-SPRT).

Additionally, the PTI covers the following Flexible Groups:

- All equipment at the facility including equipment covered by other permits, grandfathered equipment and exempt equipment (FG-FACILITY); and

- Facility boilers (FG-BOILERS).

According to the cover letter attached to PTI No. 79-99, PTI Nos. 92-88, 245-86, and 19-74 were voided as of February 28, 2002 because the equipment covered under those permits was included under PTI No. 79-99. This included the SVE system (PTI No. 92-88) operated at the Site between 1989 and 2003.

Based on the review of available information, various other PTIs and Permits to Operate (PTOs) were issued to the Site over the course of the operation of the facility. The PTIs and PTOs were issued for various paint, sound deadener, and zinc-rich primer spray booths, printing machines, and adhesive dispensing systems. These permits were voided by the MDNR/DNRE between 1986 and 2002, either due to removal of equipment or coverage of equipment under another PTI. Two sound deadener spray booths and two zinc-primer spray booths were identified in PTI No. 20-78 issued February 28, 1978. The permit document did not indicate that the PTI had been voided.

According to information reviewed, the three powerhouse boilers covered under the current PTI operated since December 1970. Prior to that, four coal-fired boilers reportedly operated at the Site, which are assumed to have been associated with the former Power House. According to correspondence between GM and the MDNR dated August 12, 1991, waste oil was burned using Boiler No. 1 beginning in at least 1980. Boiler No. 1 was reportedly decommissioned in 2008 according to the Compliance Inspection Report dated January 28, 2009. The inspection report also noted that no waste oil was burned in Boiler No. 2 or 3. Waste oil was reportedly tested semi-annually and deemed non-hazardous. However, according to interoffice communication between AQD and WHMD dated October 8, 1991, analytical data submitted by GM showed some waste oils analyzed to contain greater than 1,000 ppm total halogens classifying the oil as hazardous waste.

CRA reviewed compliance inspection reports for inspections conducted at the facility by DNRE/MDNR between 1974 and 2009. Violations were identified during the operational period for the facility. Based on records reviewed, the facility currently has no outstanding notices of violation.

A waterfall-type (i.e., wet) paint booth with below grade water tanks and sump pits was historically been associated with the Site, which was described as “gun carriage” on a drawing circa 1942, located at Columns P to Q, Rows 24 to 25. No further information was available regarding this paint booth.

A dry-type paint booth is present adjacent to the steam clean booth near Oil Stores. This paint booth is only used in minimum capacity at this time, for touch up painting. The current steam clean booth located at Columns V-W, Rows 29-30, was reportedly historically used as a wet paint booth.

Additional air emissions sources at the Site include regulated chlorofluorocarbons (CFCs), which are used in air conditioning units, chillers, and other miscellaneous refrigeration units (i.e., pop machines, drinking fountains, etc.). CFCs currently utilized

at the Site include R12, R22, R-134a, R-409a, R-500, R-502, and HP-62. On November 11, 2009, GM LLC submitted a name change for an operator with refrigerant recovery or recycling device. According to Site personnel, no Halon systems are currently present; however, they did exist at the Site in the past. CFC units are serviced by certified personnel. Based on the review of available documentation from 1992 and 1993, refrigerants historically utilized at the Site included R-11, R-12, R-22, R-500, R-502, Halon 1211, and Halon 1301.

5.3.17 Asbestos Containing Materials

An asbestos survey was not conducted as part of this ESA. According to Site personnel and based on the review of available documentation, a comprehensive asbestos survey was conducted at the Site. An asbestos survey was conducted by K-Tech Environmental Consultants, Inc. (K-Tech) and summarized in a report dated May 4, 2009. The asbestos survey was conducted on the Main Manufacturing Building, WWTP, Cooling Tower Pump House, Cooling Towers, Gas Meter House, South Pump House, West Pump House, Stormwater Pump House, Truck Gate Guard House, Baler House, Retention Pond, and Power House. Based on a lack of suspect ACM noted by K-Tech, no sampling was performed on the Press Storage Building, Rack Make-Up Building, Metal Storage Building, or Electric Meter House. A total of 140 homogeneous areas were sampled for ACM throughout the facility by K-Tech, with 588 bulk samples collected for analysis utilizing Polarized Light Microscopy (PLM) from accessible areas. Based on the PLM results, the following ACM were identified, as described below.

Based on the review of the ACM survey results, the following ACM was identified in the Main Manufacturing Building by K-Tech:

- Approximately 61,536 square feet of mastic associated with 12-inch by 12-inch brown floor tile with white streaks. The material was observed to be in good condition by K-Tech and was located in the first and second floors of the office areas.
- Approximately 240 square feet of cork insulation in the walk-in fridge. The material was observed by K-Tech to be in good condition and was located in the second floor north refrigerator ceiling.
- Approximately 10,486 square feet of mastic associated with 12-inch by 12-inch brown marble floor tile. The material was observed to be in good condition by K-Tech and was located in the first and mezzanine-central offices, material handling office, and custodial closet.
- Approximately 64 square feet of freight elevator door seal. The material was observed to be in good condition by K-Tech and was located in Bays D-25 and M-45, and the basement.
- Approximately 23,920 lineal feet of 0 to 6-inch pipe insulation. The material was observed to be in good condition by K-Tech and was located throughout the plant.

- Approximately 30,430 lineal feet of 6 to 12-inch pipe insulation. The material was observed to be in good condition by K-Tech and was located throughout the plant.
- Approximately 1,915 lineal feet of 12 to 18-inch pipe insulation. The material was observed to be in good condition by K-Tech and was located throughout the plant.
- Approximately 1,199 lineal feet of greater than 18-inch pipe insulation. The material was observed to be in good condition by K-Tech and was located throughout the plant.
- Approximately 462 square feet of condensate tank insulation. The material was observed to be in good condition by K-Tech and was located on Bay X-23 Platform and in Bay X-22 Basement.
- Approximately 50 square feet of hot water tank insulation. The material was observed to be in good condition by K-Tech and was located on Bay X-23 Platform.
- Approximately 496,848 lineal feet of window glazing. The material was observed to be in good condition by K-Tech and was located throughout the plant.
- Approximately 39,747 lineal feet of interior window caulk. The material was observed to be in good condition by K-Tech and was located throughout the plant.
- Approximately 39,747 lineal feet of exterior window caulk. The material was observed to be in good condition by K-Tech and was located throughout the plant.
- Approximately 40 lineal feet of 4-inch electrical cable wrap. The material was observed to be in good condition by K-Tech and was located in Substation E.
- Approximately 88 lineal feet of 0 to 6-inch pipe insulation. The material was observed to be in good condition by K-Tech and was located in Substation E.
- Approximately 585 lineal feet of 6 to 12-inch pipe insulation. The material was observed to be in good condition by K-Tech and was located on the roof.
- Approximately 550 lineal feet of 12 to 18-inch pipe insulation. The material was observed to be in good condition by K-Tech and was located on the roof.
- Approximately 2,200 lineal feet of greater than 18-inch pipe insulation. The material was observed to be in good condition by K-Tech and was located on the roof.
- Approximately 25,696 square feet of galbestos siding. The material was observed to be in good condition by K-Tech and was located on the roof and second floor.
- Approximately 38,852 square feet of skim coat on concrete walls. The material was observed to be in good condition by K-Tech and was located on the roof.

- Approximately 600 square feet of plain transite wall. The material was observed to be in good condition by K-Tech and was located in Substation G.
- Approximately 34 square feet per fire door. The material was observed to be in good condition by K-Tech and was located throughout the plant.

Based on the review of the ACM survey results, the following ACM was identified in the Ancillary Buildings by K-Tech:

- Approximately 270 square feet of tank insulation. The material was observed to be in good condition by K-Tech and was located on an used oil AST in the WWTP.
- Approximately 12 lineal feet of 6 to 12-inch valve insulation. The material was observed to be in good condition by K-Tech and was located in the Cooling Tower Pump House.
- Approximately 2,170 square feet of corrugated transite panels. The material was observed to be in good condition by K-Tech and was located in the tower walls of the Cooling Tower Pump House.
- Approximately 172 square feet of roof flashing. The material was observed to be in good condition by K-Tech and was located on the South Pump House.
- Approximately 3 lineal feet per 0 to 6-inch fitting insulation on fiberglass lines. The material was observed to be in good condition by K-Tech and was located in the West Pump House.
- Approximately 216 lineal feet of window glazing. The material was observed to be in good condition by K-Tech and was located in the West Pump House.
- Approximately 162 lineal feet of window glazing. The material was observed to be in good condition by K-Tech and was located in the Stormwater Pump House.
- Approximately 190 square feet of mastic associated with 12-inch by 12-inch gray marbled floor tile. The material was observed to be in good condition by K-Tech and was located in the Truck Gate Guard House.
- Approximately 32 square feet of condensate receiver tank insulation. The material was observed to be in good condition by K-Tech and was located in the Baler House.
- Approximately 135 lineal feet of 0 to 6-inch fitting insulation on fiberglass lines (each). The material was observed to be in good condition by K-Tech and was located in the Baler House.

- Approximately 64 square feet of tank end insulation. The material was observed to be in good condition by K-Tech and was located on the AST associated with the retention pond.
- Approximately 680 square feet of condensate tank insulation. The material was observed to be in good condition by K-Tech and was located on the second level of the Power House.
- Approximately 1,410 square feet of feed water heater tank insulation. The material was observed to be in good condition by K-Tech and was located on the second level of the Power House.
- Approximately 80 square feet of continuous blow down tank insulation. The material was observed to be in good condition by K-Tech and was located on the second level of the Power House.
- Approximately 20 lineal feet of 6 to 12-inch pipe insulation. The material was observed to be in good condition by K-Tech and was located on the first level of the Power House.
- Approximately 5 lineal feet of greater than 18-inch pipe insulation. The material was observed to be in good condition by K-Tech and was located on the first level of the Power House.
- Approximately 20 lineal feet of canvas wrap on 0 to 6-inch pipes. The material was observed to be in good condition by K-Tech and was located on the second level of the Power House.
- Approximately 96 square feet of tar on fiberglass duct insulation. The material was observed to be in good condition by K-Tech and was located on the roof of the Power House.

According to Site personnel, the ACM survey is updated as new information is identified (i.e., removal and testing of presumed ACM is conducted). According to individuals associated with the Site, the Site has formal written procedures for any work conducted in an area with ACM. According to individuals associated with the Site, these protocols are followed by certified individuals during any activities that may disturb ACM (i.e., renovation or demolition). Site personnel indicated that numerous ACM removal activities have occurred over the course of operations at the facility where asbestos is removed on an as needed basis by a subcontractor, with third party air monitoring.

CRA observed potential ACM in accessible areas during the Site inspection, including floor tile and associated mastic, ceiling tile, wall board, boiler equipment, duct and pipe wrap, fire doors, laboratory countertops, potential galbestos siding, cooling tower slats, and roofing materials. Areas of ACM were observed to be labeled with signs at various locations throughout the Site. All observed ACM appeared to be in good condition.

Based on the age of the Site structures, it is likely that ACM were utilized during construction. Additional potential ACM may be present in areas not accessible to CRA during the Site inspection.

5.3.18 Lead-Based Paint

A LBP survey was not conducted as part of the Phase I ESA. Exterior building materials consist primarily of metal, concrete, and glass. Most interior surfaces are painted. Evidence of chipped or flaking paint was observed at various locations during the Site inspection. Additional painted surfaces may be present in areas not accessible during the Site inspection. Lead content of paint cannot be verified without proper analysis. Based on the dates of construction, it is likely that painted surfaces contain LBP.

Based on the review of an internal memorandum dated April 7, 2004, eight paint chip samples were collected from the 22/23-Bay mezzanine column line on March 29, 2004 in order to confirm lead content identified during sampling conducted on March 4, 2004. Three of paint chip samples were reported to contain lead. Subsequently additional paint chip samples were collected from 22, 23 and 24 Bay areas on April 1, 2004 to confirm the results and evaluate additional areas. The April 1, 2004 results indicated that the paint previously identified in 22 Bay as containing lead, which was applied in 1999, did not contain lead; however, lead was identified in various other locations at the Site.

5.3.19 Ionizing Radiation

According to Site personnel, no commercial sources of ionizing radiation are present at the Site. No labeled commercial sources of ionizing radiation (e.g., fill level controllers) were observed by CRA personnel during the Site inspection. Site personnel indicated that an x-ray machine was previously present in the medical department, but had been removed several years ago. Historical Site drawings indicate the presence of an x-ray room near Column P, Row 24. No information was available regarding the decommissioning of this area. This area is currently used for storage.

General Motors Corporation previously maintained a Nuclear Regulatory Commission (NRC) Radioactive Materials License (License No. 21-20057-01; Docket No. 030-17694) with the NRC. The Radioactive Materials License was maintained by the Site for 27 sealed sources of Americium-241 (Am-241) that were present in dewpointers in TDO. The dewpointers were registered with the State of Michigan on August 22, 1980 (12) and May 17, 1984 (15), with the sources received by the Site between September 8, 1982 and August 31, 1988. All of the sources were removed from the Site on December 6, 2002 and disposed at Thermo Measure Tech of Round Rock, Texas (License No. 42-01485-04). Prior to removal, final leak tests were completed on the units to confirm no releases. No releases were identified during the leak tests. Available documentation indicates that the Radioactive Materials License was terminated on July 8, 2003.

Based on the review of Site records from 1982, “gamma ray probes” were historically present at the Site, which were reportedly used to detect missing parts in welded door subassemblies along the “door lines.” Additionally, a Site record dated May 14, 1981

indicated that “gamma ray probes” were stored in the Engineering Department and in “tool.” No further information was available regarding the “gamma ray probes.”

Individuals associated with the Site were unaware of any radon gas testing having been conducted at the Site. The U.S. EPA has determined Kent County to be in a Level 2 radon zone. The predicted indoor screening levels of radon gas are expected to be between greater than or equal to 2 picocuries per liter (pCi/L) and less than or equal to 4 pCi/L. The U.S. EPA has established 4 pCi/L as a level at which further evaluation is warranted. A basement is present under a part of the eastern portion of the Site, utility tunnels are present beneath the Site, and several below grade pits are present throughout the Site.

5.3.20 Spills/Releases

Based on the review of Site records and available environmental investigation documentation previously conducted at the Site, the following areas of concern were identified:

- an oil release from a press pit sump pan near Column B-35;
- LNAPL observed during excavation activities near Column A-15;
- chlorinated compounds from a former parts cleaner station near Column T-27;
- chlorinated compounds identified in dewatering wells during building expansion activities near the southeast corner of the building;
- SVOCs identified in historical groundwater samples above Part 201 GRCC; and
- SVOCs and metals identified in soil above Part 201 GRCC in the bulk unload area.

Contamination from a release of water-soluble oil from a press pit pan (HS-5 press) was identified in soil and groundwater at the Site in 1981 (see Section 4.1.1). Based on analytical results from soil and groundwater samples collected in the vicinity of the release and a review of the MSDS for the oil, EDI concluded that no chemicals of concern were detected in the soil or groundwater samples collected above the applicable regulatory limits at the time the samples were collected. Black staining was noted during the investigation activities and no analysis was conducted for PNAs, metals or PCBs.

An excavation was installed in the northeast portion of the Site during plant modernization activities in June 1985. The excavation was approximately 20 feet in depth, and was located near Column A-15 of the plant. Soil was removed in particular areas to the water table, where a layer of free product was observed. The free product was believed to consist of mineral seal oil and/or mineral spirits, which were used in processes in this portion of the plant for approximately 50 years. According to Site records reviewed, a release was reported to the National Response Center and the MDNR on July 26, 1985. As of February 13, 1986, approximately 1,780 yards of soil assumed to

be contaminated had been removed and disposed off Site. Prior to discovery of free product in the excavation, approximately 800 cubic yards of excavated soil had been hauled to the Van Kampen property located at 2400 Sanford Drive SW in Grandville, Michigan. The soil was subsequently removed from the Van Kampen site for disposal in a Type II landfill. Based on the visual and olfactory presence of contamination in the excavation, a HI was undertaken by EDI to determine the extent of the oil contamination (see Section 4.1.1). A total of seven monitoring wells, were installed during the HI in November and December 1985. Four of the wells were installed around the excavation, in the northeastern portion of the plant, and three wells were installed outside the plant on the north, northwest, and west sides of the plant. LNAPL was identified in monitoring wells located in the northeast portion of the plant. However, it appeared that the oil contamination was confined to the area beneath the plant. Subsequent investigations continued to monitor on a regular basis for the presence of LNAPL in select monitoring wells. LNAPL was observed on a periodic basis in monitoring wells 85-5B and 85-3. In 2008, the 2008 Groundwater Investigation Work Plan was submitted to the DNRE, which included the over drilling and reinstallation of monitoring well 85-3, due to the fact that the recorded static water levels in the well were above the top of the monitoring well screen, which could not be used to monitor for LNAPL, which floats on top of the groundwater (i.e., above the top of the screen). The 2008 Groundwater Investigation Work Plan was implemented in April 2010, with the results pending.

Chlorinated compounds were detected in groundwater samples collected from monitoring and dewatering wells during investigation activities conducted to evaluate the oil release described above, which occurred near Column A-15. From 1953 to 1979, the Site conducted degreasing operations inside the Site, near Column T-27, utilizing chlorinated compounds. This area is the suspected source of chlorinated compound contamination in soil and groundwater at the Site. Numerous subsurface investigations were conducted between 1985 and 1989 to identify and delineate the chlorinated compound contamination and geological/hydrogeological conditions at the Site and on the area located hydraulically down-gradient of the Site to the north (see Section 4.1.1). Based on the results of the investigations, a SVE system and a groundwater extraction system were constructed in the source area in 1989, and a second groundwater extraction well was installed in the north parking lot of the Site in 1993 to remediate soil and groundwater at the Site. The SVE system was located in the source area for chlorinated compounds, namely TCE, impacts to soil and groundwater at the Site. Additional investigations were conducted beginning in 2003 and are on-going. The SVE system was shut down in 2003, with concurrence with the DNRE, after a review was conducted in 2002 to evaluate the SVE system and determine if the SVE system was removing significant VOC mass from the soil. At that time, it was determined that the SVE system was not removing significant VOC mass from soil; however, significant mass had historically been removed. The SVE system was subsequently abandoned by pressure grouting the former wells in place in July 2004. A Notice of Migration of Contamination was filed with the DNRE by GM on June 9, 1999. The Notice identified that TCE and cis-1,2-DCE were emanating from the Site and were migrating off-Site in groundwater at concentrations above the Part 201 GRCC. This document addresses on-Site "due care" obligations under Part 201. Another Notice was filed with the DNRE by the Site on September 19, 2003. The Notice identified that TCE and VC were emanating from the Site and

migrating off-Site in groundwater at concentrations above Part 201 GRCC. Quarterly or semi-annually groundwater monitoring was conducted beginning in 1989 and is currently on-going. The most recent semi-annual groundwater monitoring event was conducted in October 2009. Based on analytical data reviewed, chlorinated VOCs are present in groundwater on and off-Site at concentrations above the Part 201 GRCC.

In November 2004, Site personnel installed a trench drain in the bulk unload area. The trench drain is approximately 70 feet long by one-foot wide and drains to a sump located adjacent to the bulk unload area. Prior to disposal, Site personnel sampled excavated soils from the area for waste characterization. Analysis conducted for the waste characterization indicated that lead was present above the TCLP; therefore, the material was disposed as a hazardous waste. Based on the concentration of lead detected in the removed materials, investigations were conducted in this area in 2005 and 2007, with soil samples collected for laboratory analysis for PNAs and metals. Based on the results, numerous metals and PNAs were detected in the soil samples at concentrations above the Part 201 GRCC and/or GICC, which indicated further evaluation of the area was necessary. The 2008 Bulk Unload Area Work Plan was implemented in April 2010, with the results pending.

The Site was listed in the ERNS and Spills Databases (see Section 4.4.1).

Several other incidental spills were reported in Site files reviewed; however, a majority of the spills reported were small in volume, occurred on competent surfaces, and were promptly addressed. Therefore, further discussion is not warranted. It should be noted that the spill reports available for review were limited to the timeframe from August 2001 to January 2004.

5.3.21 CERCLA Liability Potential

The Site is not listed on the NPL.

The Site is listed in the SHWS Database as General Motors – CPC Metals (Facility Identification No. 41000115) and a status of “interim response in progress.” The Site was scored on October 8, 2004. According to the database listing for the Site, pollutants released at the Site include TCE and oil. Past releases of TCE and oil at the Site and associated response actions conducted on a voluntary basis under Part 201 are discussed in Section 4.1.1. No Consent Order or Agreement has been issued by the DNRE for the Site pursuant to Part 201 related to the SHWS Listing; however, a lien has been placed on the parcel associated with the main portion of the Site (see Section 3.2).

Based on the review of available documentation, GMC was a Potentially Responsible Party (PRP) in relation to waste generated and transported from this Site for various hazardous waste treatment, storage, or disposal sites. According to individuals associated with the Site, all claims for contribution to the remediation of these sites have been resolved and paid. According to Site representatives, GMC has not defended any environmental-related claims or litigation asserted by any governmental agency or third party, except as identified above, and no potential claims or litigation presently exist.

5.3.22 Wetlands

A wetlands delineation was not conducted as part of this Phase I ESA. A determination of actual wetlands can only be conducted using U.S. Army Corps of Engineers (ACOE) specified methods, field surveys, and sample collection.

CRA reviewed the National Wetlands Inventory (NWI) map for the Grand Rapids West, Michigan quadrangle to determine if any wetlands were mapped for the Site. Based on the review of the NWI map, the stormwater retention pond is mapped as a Palustrine Unconsolidated Bottom Excavated (PUBx) wetland. Based on information provided in the database results, the Site is not located in a 100 or 500-year flood zone.

Based on a review of the *Soil Survey of Kent County, Michigan* and *National Hydric Soils List by State*, no hydric soils are present on the Site.

5.3.23 Other Observations

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

6.0 INTERVIEWS

6.1 Interview with Owner/Key Site Manager

CRA contacted Ms. Bridget Burnell, Site Environmental Engineer, regarding Site information. Information provided by Ms. Bridget Burnell is presented throughout the report, as appropriate.

6.2 Site Occupants

General Motors Corporation filed for bankruptcy under Chapter 11 of the United States Bankruptcy Code on June 1, 2009. On July 10, 2009, GMC, now known as MLC, pursuant to a bankruptcy court order, sold certain assets, to a new entity, which is now known as GM LLC. The Site was not included in the sale and ownership remains with MLC. GM LLC currently conducts operations at the Site, under lease from MLC. GM LLC anticipates cessation of operations and vacating the Site on or before June 30, 2010. No manufacturing operations will be conducted at the Site by MLC subsequent to vacation of the property by GM LLC. Operations conducted by MLC at the Site will include required compliance monitoring, equipment sales, decommissioning, and demolition activities, as well as administrative and ancillary operational activities in support of the aforementioned activities.

6.3 Interviews with Local Regulatory Agencies

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

6.4 Interviews with Others

The following additional interviews were conducted as part of this assessment:

- Mr. Mark Strickfaden, Facility Chemical Manager;
- Mr. Michael Cole, Facilities Maintenance Representative;
- Mr. Michael Evarts, TDO and Maintenance Supervisor;
- Mr. Bob Pavlovic, Site Facilities Manager;
- Ms. Cara Ferrell, Site Resource Manager; and
- Ms. Liz Hillgren, Site Resource Manager.

Information provided by the aforementioned individuals is presented throughout the report, as appropriate.

7.0 FINDINGS/OPINION

This section identifies following potential findings regarding RECs, historic RECs, *de minimis* conditions, and business environmental risk as defined in the Standard identified at the Site.

7.1 Known or Suspect Environmental Concerns

This assessment has revealed the following RECs and business environmental risk as defined in the Standard at the Site:

- **Adjacent Properties – East of Buchanan Avenue SW:** Based on the review of historical information, the adjacent properties to the east of the Site, across Buchanan Avenue SW, have been operated as commercial/industrial properties since at least 1950, with a gas station operating on the properties associated with 3565 and/or 3636 Buchanan Avenue SW from between at least 1938 to 1975. Additional historical commercial/industrial occupation of properties noted on Sanborn maps and in city directories includes: a gas station at the intersection of 36th Street SW and Buchanan Avenue SW since at least 1966; a buried gas tank on the property located at 3700 Buchanan Avenue SW; a paint shop at 3818 Buchanan Avenue SW; auto repair facilities at 3826 Buchanan Avenue SW; heat treat operations at 3832 Buchanan Avenue SW; and a machine shop at 3890 Buchanan Avenue SW. In addition, the properties located adjacent to the east of the Site across Buchanan Avenue SW at 3890 Buchanan Avenue SW (Conical Tool Company), 3832 Buchanan Avenue SW (entity not listed), and 3840 Buchanan Avenue SW (Commercial Heat Treating Company) are listed in the BEA Database, indicating exceedances of Part 201 GRCC are present on those properties. A FOIA was previously conducted for the adjacent properties to the southeast of the Site, including the Conical Tool Property. Chlorinated VOCs, including PCE, were identified on that property, which appear to be migrating onto the Site. In addition, the property located at 3887 South Division Avenue SW (entity not listed) was listed in the SHWS Database, for impacts of PCE. Based on the nature of the long-term historical operations conducted on these properties, the groundwater flow direction to the north-northwest in this area making these properties downgradient and cross-gradient of the Site, and the known impacts on those properties above the Part 201 GRCC that are likely or may be impacting the Site, the adjacent properties to the east are considered an REC.
- **Adjacent Properties – Along Clay Avenue SW:** Based on the review of the environmental database search results, the Ryder Truck property located at 3663 Clay Avenue SW is listed in the LUST Database as having an open status. Additionally, the property located at 3940 Clay Avenue SW (entity not listed), to the south of the Clay Avenue Parking Lot portion of the Site, is listed in the BEA Database, indicating exceedances of Part 201 GRCC are present on that property. Based on limited groundwater flow direction known for the west side of Cole Drain, it appears that groundwater on the west side of the drain flows north-northeast. Based on the open status of the LUST, the known impacts on the property in the

BEA database above the Part 201 GRCC, and the potential for cross-gradient groundwater flow, the adjacent properties are considered an REC.

- **Adjacent Properties – West Side of Cole Drain:** Based on investigations conducted to date, PCE is present in groundwater in a monitoring well on the west side of Cole Drain. The monitoring well is located to the north of 36th Street on property owned by Consumers. Based on analytical data collected to date for the well on the west side of Cole Drain and for the wells on the east side of Cole Drain, concentrations of PCE are higher on the west side of the drain than on the east side, suggesting the source of the PCE is to the west of Cole Drain. Groundwater flow direction in the area of Cole Drain appears to be to the north-northeast from the west side of the drain, and to the north-northwest on the east side of the drain, suggesting that Cole Drain is a gaining stream. The area to the northwest of the Site has been developed for industrial use since at least 1960, based on aerial photographs. Based on the nature of the long-term historical operations conducted on these properties, the groundwater flow direction to the north-northeast in this area making these properties up-gradient and cross-gradient of the Site, and the known impacts on those properties above the Part 201 GRCC that are likely or may be impacting the Site or commingling with the plume from the Site, the adjacent properties on the west side of Cole Drain are considered an REC.
- **Long-Term Industrial Site Operations:** The Site has been operated on a long-term basis as an industrial property dating back to 1936, including operations associated with stamping, machining, degreasing, metal finishing, and various other manufacturing operations and the associated industrial infrastructure (i.e. sewers, pits, etc.). No specific documentation was available regarding chemicals used, chemical storage locations, or historic disposal practices during the entire timeframe the property has been utilized for industrial purposes. Industrial facilities like the Site typically, either currently or historically, use significant quantities of chlorinated solvents, heavy metals, PCBs, and petroleum products. The typical operations for this type of facilities operated over a long time frame would be considered an REC.
- **Potential On-Site Fill Activities:** Based on the review of a historical aerial photograph taken between 1950 and 1954, an area of potential fill activities was identified to the south of the Main Manufacturing Building. No further information was available regarding the potential on-Site fill activities. Based on the lack of evidence of a release from the potential fill activities at the Site to the environment, they would not be considered an REC; however, they should be considered when evaluating business environmental risk associated with the Site.
- **Release from Press HS-5:** Contamination from a release of water-soluble oil from a press pit pan (HS-5 press) was identified in soil and groundwater at the Site in 1981. The release was investigated in 1981 and 1982, with soil and groundwater samples collected in this area. Black stained soil was observed during the sample collection. Soil and groundwater samples collected during the investigation were analyzed for grease and oil, TOC, and chlorinated paraffin. Based on analytical results from soil and groundwater samples collected in the vicinity of the release and

a review of the MSDS for the oil, EDI concluded that no chemicals of concern were detected in the soil or groundwater samples collected above the applicable regulatory limits at the time the samples were collected. Analysis for PNAs, metals or PCBs was not conducted on the samples. Based on the confirmed release in this area and a lack of chemical analysis of samples for PNAs, metals or PCBs, the release is considered an REC.

- **LNAPL and SVOC-Impacted Groundwater:** An excavation was installed in the northeast portion of the Site during plant modernization activities in June 1985. The excavation was approximately 20 feet in depth, and was located near Column A-15 of the plant. Soil was removed in particular areas to the water table, where a layer of free product was observed. The free product was believed to consist of mineral seal oil and/or mineral spirits, which were used in processes in this portion of the plant for approximately 50 years. According to Site records reviewed, a release was reported to the National Response Center and the MDNR on July 26, 1985. Based on the visual and olfactory presence of contamination in the excavation, a HI was undertaken by EDI to determine the extent of the oil contamination. A total of seven monitoring wells, were installed during the HI; four of the wells were installed around the excavation, in the northeastern portion of the plant, and three wells were installed outside the plant on the north, northwest, and west sides of the plant. LNAPL was identified in monitoring wells located in the northeast portion of the plant. Subsequent investigations continued to monitor on a regular basis for the presence of LNAPL in select monitoring wells and groundwater samples were analyzed for SVOCs, with exceedances of the Part 201 GRCC. LNAPL was observed on a periodic basis in monitoring wells 85-5B and 85-3. In 2008, the 2008 Groundwater Investigation Work Plan was submitted to the DNRE, which included the over drilling and reinstallation of monitoring well 85-3, due to the fact that the recorded static water levels in the well were above the top of the monitoring well screen, which could not be used to monitor for LNAPL, which floats on top of the groundwater (i.e., above the top of the screen). The 2008 Groundwater Investigation Work Plan was implemented in April 2010, with the results pending. Based on the exceedances to the Part 201 GRCC and the historical (and potential current) presence of LNAPL in this area, the LNAPL and SVOC-impacted groundwater is an REC.
- **Former Metal Finishing Operations:** Based on the review of available information, metal finishing operations, including chromium plating and heat treating operations, were conducted at the Site. A bonderizing/prime system was identified on a 1951 drawing between Columns U and W, Rows 42 to 46. This system included an alkali rinse, hot rinse, bonderite, cold rinse, and chromic acid dip tanks, a blow off oven, a prime spray booth, a final spray booth, and a final oven. The drawing also identified floor drains and a sludge tank in this area. Lacquer and cement spray booth operations were identified on a 1939 drawing to have been historically conducted on instrument panels from Columns O to Q, Row 39 to 42. Anti-rust oil spray booth operations, which included approximately 110-gallon oil tanks situated on the plant floor or in below-grade pits, were identified on a 1937 drawing to have been historically conducted in the following areas: Booth #1 – circa

1937 - Columns U to X, Row 16; Booth #2 – circa 1937 - Columns O to R, Row 13; Booth #3 – circa 1937 - Columns U to X, Row 7; and Booth #4 – circa 1937 - Columns Q to T, Row 4. No further information regarding these operations was available. No investigations have been conducted to evaluate the historical metal finishing operations to date. Metal finishing operations utilize metals, petroleum products, PCBs, and caustics. Based on the nature of the chemicals utilized and the operational timeframe, the former metal finishing operations are considered an REC.

- **Mineral Spirits and Mineral Seal Oil USTs:** Based on the review of available documentation from 1981, the Site historically utilized mineral spirits to dilute mineral seal oil utilized in operations. The mineral spirits and mineral oil were stored in four USTs (one mineral spirits UST and three mineral seal oil USTs) located to the south of Row 51 between Columns R and S. Based on the review of an air emissions permit application for the mineral spirits UST, the capacity of the mineral spirits UST was approximately 7,800 gallons. The capacities of the mineral seal oil USTs were not identified; however, drawings of the tanks depict the three mineral seal oil USTs to be similar in size to the mineral spirits UST. According to review of the Environmental Impairment Liability Questionnaire dated October 13, 1982, mineral seal oil and mineral spirits were stored in underground tanks at that time. No further information regarding the mineral seal oil or mineral spirits USTs was available. Based on a lack of information regarding the closure of the USTs, the nature of the materials stored in the USTs, and the age of the USTs, the mineral spirits and mineral seal oil USTs are considered an REC.
- **Former Paint Booth:** A waterfall-type (i.e., wet) paint booth with below-grade water tanks and sump pits was historically been associated with the Site, which was described as “gun carriage” on a drawing circa 1942, located at Columns P to Q, Rows 24 to 25. No further information was available regarding this paint booth. The current steam clean booth located at Columns V-W, Rows 29-30, was reportedly historically used as a wet paint booth. No information was identified regarding the duration of these units or a release from either system; therefore, they are not considered to be RECs. However, based on the nature of the operations conducted associated with the paint booths, the types of chemicals typically utilized during these operations, and the presence of below-grade structures with the potential to impact the subsurface, the former paint booths should be considered when evaluating business environmental risk associated with the Site.
- **WWTP:** The WWTP was constructed in 1970 for the pretreatment of process wastewater from the Site prior to discharge to the City of Wyoming municipal sanitary sewer system. The WWTP was constructed to pre-treat process wastewater discharged from the metal finishing, heat treat, battery charge, steam clean, press pit, and elevator pit areas, where chemicals such as petroleum products, solvents, and acids would have been utilized. The 100,000-gallon used oil AST was noted on Site drawings to have been constructed on an oily sand cushion. Significant staining was noted on the interior of the building and sumps inside the building and adjacent to a sump near the 5,000-gallon used oil ASTs. Based on the nature of the operations conducted associated with the WWTP, the types of chemicals typically utilized

during these operations, the observed staining, the presence of an oily sand cushion under the used oil AST, and the presence of below-grade structures with the potential to impact the subsurface, the WWTP is an REC.

- **Current Power House:** The current Power House was constructed at the Site in 1970 and is located to the south of the Main Manufacturing Building and adjacent to the east of the Baler House. The Power House provides building heat and steam to the Site. The Power House is a multiple story building with a basement and includes three natural gas-fired boilers, which have the ability to burn waste oil, No. 2 oil, or No. 6 oil. A brine pit is present to the north of the Power House and to the south of the cooling water towers and pumps. Staining and sumps were noted in the basement of the Power House. No evidence of a release associated with the Power House operations was observed or identified in the documents reviewed; therefore, the Power House would not be considered an REC. However, based on the nature of the operations conducted associated with the Power House, the types of chemicals typically utilized during these operations, the timeframe these operations occurred, and the potential to impact the subsurface, the Power House should be considered when evaluating environmental risk associated with the Site.
- **Former Power House:** A coal-fired Power House was constructed at the Site during the initial development of the property by GMC in 1936 and was operated until 1970/71 when the new Power House was brought online. The former Power House was located to the west of the Main Manufacturing Building, adjacent to Column ZZ, Rows 19 and 24, and included an ash silo, skip pit and coal hopper, and Power House Building. Coal was stored adjacent to the south of the former Power House, between Rows 24 and 33, in an area approximately 220 feet by 350 feet in area. Demolition plans for the former Power House indicated that the structural components, with the exception of the western wall of the building, were to be removed to the basement (or lowest floor) slab, with the concrete cracked for infiltration. A below-grade tunnel, located between Columns ZZ to W, Rows 22 ½ and 22, was also reportedly removed, with the exception of the concrete floor that was cracked, to the western edge of the Main Manufacturing Building. The former Power House utilized a four-inch drain tile around the perimeter of the building, as well as numerous crocks, floor drains, sumps, and catch basins throughout the structure. Demolition plan drawings did not indicate whether or not abandonment/demolition activities were proposed for the portion of the tunnel that was present beneath the Main Manufacturing Building. This area is currently beneath the Main Manufacturing Building. Based on the nature of the operations conducted associated with the former Power House, the types of chemicals typically utilized during these operations, the timeframe these operations occurred, typical residual SVOCs associated with outdoor coal storage and the potential to impact the subsurface, the former Power House is an REC.
- **Former AOF House UST:** An AOF House was historically present to the west of the Main Manufacturing Building at Column ZZ, Rows 18 to 15. The AOF House was constructed circa 1936 and was demolished circa 1970. Available drawings indicate that the AOF originally included use of a 12,000-gallon UST containing

oleum spirits; however, notes on the drawings indicated that the tank was never installed. Additionally, a 420-gallon ferrolene UST was present to the south of the AOF House. The AOF House consisted of the ferrolene room (including cyanide and lead pots), a pump room, the oxygen manifold and storage room, the carbide storage room, the acetylene storage room, the acetylene generator room, a loading platform serviced by a railroad siding, and sludge pits. Additional information regarding the chemicals utilized during the operation of the AOF House was not available. Based on the nature of the ferrolene UST and associated cyanide and lead use with no closure documentation, the Ferrolene UST associated with the AOF House, and the potential to impact the subsurface, the former AOF House UST is an REC.

- **Current Gasoline and Diesel USTs:** One 3,000-gallon diesel and one 8,000-gasoline UST are present at the Site. The USTs were reportedly installed on April 24, 1985 and are of cathodically protected double-walled steel, with fiberglass reinforced double-walled plastic. The USTs are equipped with automatic tank gauging and interstitial monitoring for leak detection. A potential leak from the 8,000-gallon gasoline UST was reported to the DNRE on April 27, 2006, based on leak detection readings (Incident No. S-0101-06). Information reviewed at the Site indicated that the leak detection reading resulted from a faulty sensor board that needed replacement. The Site was not listed in the LUST Database for this incident. Testing of Gasoline and Diesel Fuel Underground Tanks forms completed on 12 occasions between 1991 and 1998 were available for review on Site. According to the information reviewed, the items tested during each event included monitor well N.E., monitor well N.W., monitor well S.E., monitor well S.W., gasoline containment vessel, diesel containment vessel, catch basin (reportedly 12 feet deep), and pollution alert electrical system. No significant issues associated with these items were identified during the inspections. According to on-Site records reviewed, the gasoline and diesel fuel USTs were equipped with leak detection equipment. Daily leak detection printouts dated between 1996 and 2001 were available for review and indicated relevant changes in fluid levels as "LD Failed". CRA identified 32 possible leaks from the gasoline UST ranging from 0.10 and 4.61 gallons per hour (gal/hr) and eight possible leaks from the diesel UST ranging from 0.12 and 3.02 gal/hr. Based on the lack of confirmed evidence of a documented release from the USTs to the environment, they would not be considered an REC; however, the historic operation should be considered when evaluating business environmental risk associated with the Site.
- **Former Heating Oil and Oil USTs:** Three 50,000-gallon fuel oil tanks for boiler backup for the Power House were installed in 1970 to the north of the east cooling tower. According to records reviewed, the three 50,000-gallon USTs were removed from the Site on August 21, 1985. The UST removal was overseen by the Fire Department and according to the inspection report, two of the USTs contained "oil" and one contained fuel oil. The USTs were reportedly cleaned by Great Lakes Tank Cleaning Company and removed and disposed off-Site by Hardman Construction Company. Photographs of the UST removal included in the Fire Department file for the Site were reviewed by CRA. None of the photographs available for review

indicated a release from the USTs and the USTs appeared to be in good condition at the time of removal. However, no verification soil samples were collected at the time of the tank removal. Based on the types of chemicals stored in the tanks, the age of the tanks, the lack of confirmatory soil sample data and the potential to impact the subsurface, the former fuel oil and oil USTs are an REC.

- **Former 5,000-Gallon Gasoline UST:** One 5,000-gallon gasoline UST was inspected by the Fire Department on September 19, 1985 during removal. According to the inspection report, the UST was removed by Bosch Mechanical and Riverside Gravel Co., cleaned, and disposed off-Site. Based on review of the inspection report, no evidence or indication of a release was observed at the time of removal. No verification soil samples were collected at the time of the tank removal. No information was available regarding the location, age, or construction of the former UST. Based on the type of chemical stored in the tank, the age of the tank, the lack of confirmatory soil sample data and the potential to impact the subsurface, the former gasoline UST is an REC.
- **Former 1,000-Gallon Gasoline USTs:** Based on the review of a 1951 drawing, a 1,000-gallon gasoline UST and pump were identified south of Row 35 (no Column available), and just south of the outside of the 1950 addition on the eastern side of the Main Manufacturing Building. On a 1955 drawing, a “gas tank and pump” were identified as being relocated. There are no Columns or Rows identified on the drawing; however, the tank is shown to the north of the former Heat Treat Building and to the west of the former Baler House. No further details were identified on the drawing. It could not be confirmed that the 1,000-gallon UST identified on the 1951 drawing (after the 1950 addition) was relocated to the south after the 1954 addition in this area. Based on the type of chemical stored in the tank, the age of the tank, the lack of UST removal information or confirmatory soil sample data and the potential to impact the subsurface, the former gasoline UST is an REC.
- **Former Cooling Tower Basin:** A cooling tower and cooling tower basin are identified on a 1971 drawing to the west of the former Power House, to the north of the 500,000-gallon fire suppression water AST and associated pump house, and to the south of the former 250,000-gallon elevated fire suppression water AST, in line with Rows 19 to 22 for the Main Manufacturing Building. No further information regarding the operation and construction of the cooling water tower and basin was available, including information regarding water treatment chemicals utilized, process associated with the generation point of water cooled or sludge removal practices. The majority of cooling water systems operated during this timeframe used chromium as a biocide. This area is currently paved with concrete and/or asphalt. Based on the nature of the operations conducted associated with the former cooling water basin, the types of chemicals typically utilized during these operations, and the potential to impact the subsurface, the former cooling tower basin is an REC.

- **Former Cooling Water Spray Pond:** A cooling water spray pond was historically located to the west of the former Power House, between Rows 13 and 18 ½. The cooling water spray pond received process wastewater from air compressor blowdown and welding machine cooling water and discharged cooled water via return lines to the plant and to the storm sewer. Historical documentation indicates that silver, lead, and copper were historically utilized during welding operations. No information was available regarding the potential use of algaecides/biocides was available, nor was information related to removal of sludges from the cooling water spray pond. Based on the nature of the operations conducted associated with the former cooling water spray pond, the types of chemicals typically utilized during these operations, and the potential to impact the subsurface, the former cooling water spray pond is an REC.
- **Former Sludge Bed:** A “present sludge bed to be filled in” was identified on a 1954/1955 drawing of the Site. Based on the review of available aerial photographs, this sludge bed was located to the north of the former Power House, to the northwest of the former AOF Building, and to the east of the cooling water spray pond. The area was not observed to be utilized as a sludge bed in the 1938 or 1960 aerial photographs; however, an undated aerial obtained from the Site dated prior to 1954 (based on facility construction) shows this area. This area is currently under a portion of the Main Manufacturing Building. No information was available regarding the nature of the sludges or whether they were deposited in this area. Therefore, they would not be considered an REC. However, based on the potential nature of the materials deposited in the sludge bed from facility operations and the potential for these materials to impact the subsurface, the former sludge bed should be considered when evaluating environmental risk associated with the Site.
- **Current Baler House:** A Baler House is located to the south of the Main Manufacturing Building, adjacent to the west of the Power House. The Baler House was constructed in 1965 and consisted of four balers for scrap metal processing, which were set in pits. Significant oil staining and scrap metal were observed in the visually accessible portions of the Baler House pits during the Site inspection. Additionally, a sump is located in the corner of this building, which discharges to the WWTP. Based on the age of the pits, the types of chemicals typically utilized during these operations, the timeframe these operations occurred, and the potential to impact the subsurface, the Baler House pits are an REC.
- **Former Baler House and Main Manufacturing Building Balers:** A former Baler House was located between Columns C and H, Rows 42 to 44. Scrap metal was conveyed to the former Baler House via an underground conveyor system, which was located between Columns E and F. This Baler House was demolished during the 1964 expansion activities, with the current Baler House constructed in 1965. An area with two balers is identified on 1936 and 1950 drawings between Columns Q to O, Rows 20 ½ to 22. No further information was available regarding the timeframe that this area was operated for baling operations or the specific building structures used. Accordingly, the former Baler House is not considered to be an REC. However, based on the nature of the operations conducted associated with the

operations, the types of chemicals typically utilized during these operations, the potential use/presence of below-grade pits, the timeframe these operations occurred, and the potential to impact the subsurface, the former Baler House and Main Manufacturing Building balers should be considered when evaluating environmental risk associated with the Site.

- **Former Heat Treat Operations:** Heat treat operations were conducted in a variety of locations throughout the Site. A former Heat Treat Room was located near Column O, Row 4 on a 1936 drawing. This area was identified to consist of a homo furnace, oven furnaces, lead and cyanide pots, quenching tanks, a caustic tank, and a forge. Floor drains, a pit and a trench were identified in this area. No further information was available regarding the timeframe that this area was operated for heat treat operations. A former Heat Treat area was located between Columns U and W, Rows 26 and 27 on a 1944 drawing. This drawing identifies a large quench pit in this area, with four tanks shown in the pit and references at least one 12,000-gallon oil tank. A former Heat Treat Building was located between Columns J through M, Rows 29 to 30 ½ on a 1945 drawing. This area was identified to consist of a sand blast room, gas crackers and furnaces and associated pits. No further information was available regarding the timeframe that this area was operated as a heat treat area; however, it is currently beneath an addition to the Main Manufacturing Building. No further information was available regarding the timeframe that these areas were operated for heat treat operations. Based on the nature of the operations conducted associated with the heat treat operations, the types of chemicals typically utilized during these operations, the timeframe these operations occurred, and the potential to impact the subsurface, the former heat treat operations are an REC.
- **Former Tool and Die Operations:** Tool and Die Operations (TDO) were conducted between Columns AA and O, Rows 1 to 11. A below-grade grinding swarf and chip conveyor system is present in this area, running east-west, then turning southward until Column AA, Row 11-12, where the materials were brought aboveground and placed in a gondola. A small heat treat area is also present in this area. Historical operations in this area also included an electrical discharge machine (EDM) and milling operations. The swarf and conveyor system was not intended to transfer hazardous materials and there was no information or evidence indicating a release. Therefore the TDO are not considered to be an REC. However, based on the nature of the operations conducted associated with the former tool and die operations and CRA's experience with similar below-grade conveyance systems, the potential to impact the subsurface should be considered when evaluating environmental risk associated with the Site.
- **Former Coolant Recovery System:** Based on the review of a 1953 drawing, a coolant recovery and chip disposal system, including sterilizer, was present between Columns Y-W, Rows 49-50. No further information regarding the system was available. There was no information or evidence indicating a release from the coolant system. Therefore the coolant recovery system is not considered to be an REC. However, based on the nature of the operations conducted associated with the coolant recovery operations, the types of chemicals typically utilized during these

operations, the timeframe these operations occurred, and the potential to impact the subsurface, the former coolant recovery systems operations should be considered when evaluating environmental risk associated with the Site.

- **Former Stamping Operations:** Blanking and stamping press operations were conducted between Columns AA and O, Rows 12 to 55. A basement and metal scrap conveyor is located beneath this area, which leads to the Baler House. Stamping operations utilize oils during operations. Significant staining and pooled oil were noted on the ground surface in the basement near the stamping operations and in visually accessible press pits. Additionally, oil was observed to be present on the walls of the basement areas, from the stamping operations on the first floor of the facility. Review of available drawings indicates the presence of numerous tanks, likely containing hydraulic oil for the presses, located in pits beneath the presses throughout the blanking area. Dimensions of the tanks were identified to primarily consist of 4-foot by 8-foot tanks on a concrete. These tanks are identified with Press Lines E, F, G, H, J and K, which are identified to be located between Columns C and K, Rows 13 to 22. These tanks were identified on a 1939 addition drawing, which may not illustrate all of the tanks actually present. Based on the nature and duration of the operations conducted associated with the stamping operations, the age of pits with oil present, the types of chemicals typically utilized during these operations, the timeframe these operations occurred, and the potential to impact the subsurface, the former stamping operations are an REC.
- **ASTs:** ASTs are currently and were historically utilized at the Site for the bulk storage of chemicals in the Main Manufacturing Building, WWTP, Power House, and Pump Houses. Staining was noted near some of the ASTs associated with the WWTP. The extent of the releases could not be determined. Based on the evidence of a documented release from the ASTs to the environment and the unknown extent of impact, they would be considered an REC.
- **Historical Die Storage:** Based on discussions with Site personnel, dies were historically stored outside the facility, primarily on the southern portion. This area was not and is not entirely paved. The potential exists for oils on the dies to impact the underlying soils or stormwater during exterior storage. PCBs have been detected on stamping and TDO equipment utilized within the facility. There was no information or evidence of a release of materials associated with the storage; therefore, it would not be considered to be an REC. However, based on the known presence of PCBs in oils utilized at the facility and fact that the ground was not paved during the storage activities with the potential to impact the subsurface, the historical die storage should be considered when evaluating environmental risk associated with the Site.
- **Substations:** Based on the review of available documentation, three substations at the Site were confirmed to have utilized PCB electrical equipment; Substation K, Substation H and Substation Q. Releases are documented associated with Substation K, which was also historically utilized as a PCB storage area. Staining was noted on the concrete surface in these substations. It should be noted that the concrete floor in

a number of the substations is painted. No information is available regarding the potential for additional PCB electrical equipment in the other substations at the Site or releases therefrom. Based on the presence and release of PCBs in at least one of the substations and the timeframe in which these substations were operated, the substations are an REC.

- **Stormwater Retention Pond:** Based on files reviewed at the facility, the stormwater retention basin was originally constructed in 1972 on property owned by Consumers, for which the Site secured an easement agreement. The basin was reported to be lined with a rubber liner and equipped with two containment booms that used to divert floating oil to a skimmer installed in the basin outlet. Oil was pumped from the skimmer to a 4,000-gallon AST located adjacent to the west of basin. Significant sediment accumulation and vegetation growth were observed in the retention basin during an inspection in 2001, which resulted in upgrades to the pond in 2002/2003. Sediment samples were collected from the retention pond in September 2002, which indicated detections of several metals. Current conditions associated with groundwater and soil conditions beneath and in the vicinity of the pond are unknown. Based on the review of available documentation, the stormwater retention pond receives discharges from portions of the Site roof and foundation drains. Roof drains were observed in proximity to several caged (i.e., no roofs or walls) substations, including Substations H and Q located on the roof of the Power House that historically were documented to include PCB transformers. No information was identified that the liner on the pond has failed; therefore, it is not considered to be an REC. However, based on the PCBs and metals potentially discharged to the stormwater retention pond during Site operations, the timeframe these operations occurred, and the potential to impact the subsurface, the stormwater retention pond should be considered when evaluating environmental risk associated with the Site.
- **Wood Floor Block:** Based on the review of available documentation and observations during the Site inspection, wood floor block is currently and was historically present throughout the facility. Operations that have been identified to have utilized oils containing PCBs were conducted at the Site and analytical results for samples collected from wood floor block and associated mastic materials have indicated the presence of PCBs in the materials. Based on the known detections and use of PCBs in oils utilized and wood flooring material removed from the Site in the past, the potential presence of PCBs in wood flooring material at the Site is an REC.
- **Former Tar House:** Based on the review of documentation from 1978, a “tar house”, which was used to heat tar for floor block repairs, was located south of the Main Manufacturing Building at that time. No further information regarding the tar house was available. No information was identified regarding operations in the Tar House or any evidence of releases therefrom; therefore, it is not considered to be an REC. However, based on the types of chemicals potentially used during these operations, the timeframe these operations occurred, and the potential to impact the subsurface, the former tar house should be considered when evaluating environmental risk associated with the Site.

- **VOC-Impacted Soil and Groundwater Associated with Column T, Row 27 Former Degreaser:** The Site is listed in the SHWS Database as General Motors – CPC Metals (Facility Identification No. 41000115) and a status of “interim response in progress.” The listing is primarily associated with a release of TCE from a former degreaser operated at Column T, Row 27 from 1953 to 1979. According to Site personnel, this degreaser was an open top metal tank situated in a concrete pit, where equipment was dipped using an overhead crane. VOC-impacts to soil and groundwater in this area were identified in 1985 and investigations were conducted between 1985 and 1989 to evaluate the nature and extent of the impacts at the Site and the adjacent properties to the north of the Site. In 1989, a combination groundwater extraction and SVE system were installed in the source area in the plant, with quarterly groundwater monitoring conducted. In 1993, a second groundwater purge well was installed at the northern property line. The SVE and groundwater extraction systems were run with quarterly groundwater monitoring occurring until 2004 and 2005, respectively, when it was identified that the systems had removed sufficient VOC mass and were no longer effective. Additional investigations to further evaluate the extent of the groundwater impacts to Part 201 GRCC were conducted between 2003 and 2010. Response actions associated with the VOC impacts has been conducted on a voluntary basis under Part 201. No Consent Order or Agreement has been issued by the DNRE for the Site pursuant to Part 201 related to the SHWS Listing; however, a lien has been placed on the parcel associated with the main portion of the Site. Based on the known exceedances of the Part 201 GRCC associated with the chlorinated VOC impacts to soil and groundwater at the Site, the VOC-impacted soil and groundwater is considered an REC.
- **Additional Historical Degreasing Operations:** Degreasing operations were historically conducted in a variety of locations throughout the Site. An area identified as “shell cooler after degreaser” was present on a 1944 drawing between Columns V and W, Row 34. A degreaser is identified on a 1953 drawing at Column U, Row 46. Degreasers were also historically located at Columns T, Row 27, Columns RS, Row 9, and Column O, Row 44. No information was available regarding use of degreasers on steel coils during the blanking process. Based on CRA’s experience with the nature of degreasing operations during this timeframe, the types of chemicals typically utilized during these operations, and the potential to impact the subsurface, the historical degreasing operations are an REC.
- **Oil Stores Bulk Unload Area:** The Site currently and formerly utilized the area to the west of Oil Stores for the bulk unloading of petroleum products. This area includes exterior load/unload fill ports and associated concrete pad, sump, and containment trench. The containment trench in this area was installed in 2004. During the installation of the containment trench, excavated materials were identified to have exceeded the TCLP for lead. Subsequently, investigations were conducted in this area in 2005 and 2007 to evaluate the nature and extent of impacts. The investigations in the bulk unload area near the current Oil Stores area have

identified the presence of metals and PNAs at concentrations above the Part 201 GRCC in soil. Based on the exceedances of the Part 201 GRCC in the bulk unload area near oil stores, this area would be considered an REC.

- **Additional Bulk Load and Unload Areas:** The Site currently and formerly utilized several areas for bulk unloading and loading of petroleum products and waste and raw materials. These areas include exterior load/unload fill ports and associated concrete pads, as well as former train wells. Some of these areas have been replaced in the recent past; however, others have been in place since the facility was developed. Based on the lack of evidence of a release from other bulk load and unload areas at the Site to the environment, they would not be considered an REC; however, the current and historic operation should be considered when evaluating business environmental risk associated with the Site.
- **Former Incinerators:** Based on the review of historical drawings, incinerators were formerly located on the Site. One of the incinerators was located to the south of the former Power House, to the east of the railroad tracks and one of the incinerators was to the southwest of the former Power House between Columns H and J, south of Row 40 (numbering did not extend that far south on the drawing). No information regarding the nature of the materials burned in the incinerators or construction, operation or demolition dates of the incinerators was available. Based on the lack of evidence of a release from the former incinerators to the environment, they would not be considered an REC; however, the historic operation should be considered when evaluating business environmental risk associated with the Site.
- **Elevator Pits:** Hydraulic elevators are currently present at the Site. The pits and associated sumps, if present, were not visually evaluated during the Site inspection. No information was available regarding historical releases to the subsurface from the elevator operations. Based on a lack of evidence of a release from the elevators to the environment, they would not be considered an REC; however, the historic operation should be considered when evaluating business environmental risk associated with the Site.
- **Compactor:** The Site utilizes a hydraulic compactor for general refuse. Staining was observed in the general area surrounding the compactor during the Site inspection. Based on the lack of evidence of a release from the compactor to the environment, it would not be considered an REC; however, the historic operation should be considered when evaluating business environmental risk associated with the Site.
- **Historic Residential and Commercial Properties:** Based on the review of historical aerial photographs, city directories, topographic maps, and Site drawings, portions of the Site were historic residential and commercial properties. No information was available regarding the type of heating, UST or AST use, or the presence of septic systems, cesspools or water wells. While no evidence exists to identify this as an REC, insufficient information exists to evaluate potential adverse

impact to soil and groundwater at the Site. Therefore, consideration should be given to these items as a business environmental risk.

- **Railroad Track Operations:** Railroad tracks were historically located throughout the Site and were historically utilized for the delivery of raw materials and the shipment of finished products. Site personnel were unaware of the nature of historical delivery of chemicals via railcar, and no documented or known releases of chemicals from the rail shipment activities have occurred. Site personnel indicated that no known dust suppression activities have occurred along the railroad tracks at the Site. In addition several railroad tracks are present to the west of the main manufacturing portion of the Site, between this area and the Clay Avenue Parking Lot. Railcars currently and historically are parked in this area for extended periods of time. In addition, railroad tracks that historically entered the Main Manufacturing Building were not paved and were lower in elevation than the production floor, which have since been filled and capped to grade. No information regarding the nature of the fill materials was available. Based on the lack of evidence of a release from the rail road operations to the environment, they would not be considered an REC; however, the historic operation of the railroad tracks should be considered when evaluating business environmental risk associated with the Site.
- **Battery Charging Areas:** Satellite battery charging areas are located throughout the facility. Areas of deteriorated concrete were observed beneath the battery charging areas; however, the deterioration was not observed to have penetrated the concrete to the subsurface in the visually accessible areas. Based on the lack of evidence of a release from the battery charging areas to the environment, they would not be considered an REC; however, the current and historic operation should be considered when evaluating business environmental risk associated with the Site.
- **Agricultural Chemicals:** Based on the historic use of the Site as cultivated farmland, agricultural chemicals such as pesticides, herbicides and fertilizer would have historically been used on the Site. Information regarding historic use, storage or application rates was not available. If the chemicals were applied in accordance with manufacturer recommendations, residuals remaining in Site soils would be expected to be similar to other area properties. No information was available to determine whether residual concentrations exceeded government use or exposure criteria. Application of agricultural chemicals for intended use is not considered a release; therefore, potential residuals remaining would not be considered an REC. However, the potential presence of agricultural chemicals may have resulted in Site impairment that may have or could result in adverse impact to Site soil and groundwater. Consideration should be given to the potential presence of these chemicals when evaluating business environmental risk and future uses of the Site.

7.2 Historical Recognized Environmental Conditions

This assessment did not reveal any HRECs associated with the Site.

7.3 De Minimis Conditions

CRA did not identify any *de minimis* environmental conditions at the Site, except for the following:

- **Staining:** Staining, consistent with operations, was observed at various locations throughout the facility. The concrete throughout the facility generally appeared to be in good condition; however, the entirety could not be fully evaluated due to the presence of equipment. Based on the fact that the staining was consistent with operations, was observed on a competent surface, did not represent a threat to human health or the environment, and would not be expected to be the subject of an enforcement action if brought to the attention of the applicable governmental agency, the staining is considered *de minimis*.

8.0 CONCLUSIONS

CRA performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the former Grand Rapids Metal Plant property located at 300 36th Street SW, City of Wyoming, Kent County, Michigan. Any exceptions to, or deletions from, this practice are described in Section 9.0 of this report.

This assessment has revealed the following RECs associated with the Site:

- Adjacent Properties – East of Buchanan Avenue SW;
- Adjacent Properties – Along Clay Avenue SW;
- Adjacent Properties – West Side of Cole Drain;
- Long-Term Industrial Operations;
- Release from Press HS-5;
- LNAPL and SVOC-Impacted Groundwater;
- Former Metal Finishing Operations;
- Mineral Spirits and Mineral Seal Oil USTs;
- WWTP;
- Former Power House;
- Former AOF House;
- Former Heating Oil and Oil USTs;
- Former 5,000-Gallon Gasoline UST;
- Former 1,000-Gallon Gasoline USTs;
- Former Cooling Tower Basin;
- Former Cooling Water Spray Pond;
- Current Baler House;
- Former Heat Treat Operations;
- Former Stamping Operations;
- ASTs;
- Substations;
- Wood Floor Block;
- VOC-Impacted Soil and Groundwater Associated with Column T, Row 27 Former Degreaser;
- Additional Historical Degreasing Operations; and

- Oil Stores Bulk Unload Area.

9.0 DEVIATIONS/DATA GAPS

A data gap, as defined in the ASTM Standard E1527-05, is an absence of information that affects the ability of the environmental professional to identify recognized environmental conditions. The following data gaps were identified in this Phase I ESA.

- **Requested FOIA Information:** Several FOIA requests remained outstanding at the time this report was prepared. This limitation could impact the conclusions in this ESA, dependent upon the nature of the materials that may be on file for the facility.
- **Historic Information:** Available historic information for portions of the property dates only to 1935, the date of the earliest available Sanborn map, with portions of the Site only dating back to 1941, the date of the earliest available aerial photograph. Based on the review of available historical information, prior to development of the Site in 1919, the Site consisted of vacant cultivated agricultural, wooded, or vegetated land. Based on its undeveloped condition prior to 1919, the lack of prior historic information is not expected to impact the findings presented herein.
- **Historical Source Interval:** Standard historical sources reviewed for this ESA were not available at the five-year intervals described in Section 8.3.2.1 of the Standard. Additional information sources were not considered reasonably ascertainable. Based on the consistent historical use of the Site prior to current development as agricultural and residential land and known use since development, it is unlikely that the lack of this information would impact the conclusions of this report.

10.0 ADDITIONAL SERVICES

In addition to identifying RECs at the Site, this Phase I ESA included a preliminary evaluation of the following non-scope considerations as defined in the Standard:

- ACM (visual assessment only)
- LBP (visual assessment only);
- wetlands; and
- ionizing radiation/radon.

Evaluation of the Site for these criteria was performed for the purpose of providing a general indication of potential issues. This assessment does not serve as a substitute for ACM, LBP, or radon testing or survey, or a wetlands delineation.

The following potential issues were identified regarding non-scope considerations:

- **ACM:** An asbestos survey was conducted by K-Tech and summarized in a report dated May 4, 2009. The asbestos survey was conducted on the Main Manufacturing Building, WWTP, Cooling Tower Pump House, Cooling Towers, Gas Meter House, South Pump House, West Pump House, Stormwater Pump House, Truck Gate Guard House, Baler House, Retention Pond, and Power House. Based on a lack of suspect ACM noted by K-Tech, no sampling was performed on the Press Storage Building, Rack Make-Up Building, Metal Storage Building, or Electric Meter House. Numerous homogeneous areas were sampled for ACM throughout the facility by K-Tech. Asbestos identified by Micro Air included floor tile mastic, pipe and tank insulation, window glazing, galbestos siding, transite walls, skim coat on concrete walls, fire doors, transite panels, roof flashing, and roofing materials. CRA observed potential ACM in accessible areas during the Site inspection, including floor tile and associated mastic, ceiling tile, wall board, boiler equipment, duct and pipe wrap, fire doors, laboratory countertops, potential galbestos siding, cooling tower slats, and roofing materials. Areas of ACM were observed to be labeled with signs at various locations throughout the Site. All observed potential ACM and ACM was in good condition.
- **Potential Wetland:** Based on the review of the NWI map, the stormwater retention pond is mapped as a Palustrine Unconsolidated Bottom Excavated (PUBx) wetland. Based on information provided in the database results, the Site is not located in a 100 or 500-year flood zone. Based on a review of the *Soil Survey of Kent County, Michigan* and *National Hydric Soils List by State*, no hydric soils are present on the Site. Based on observations during the Site inspection and review of available documentation, the stormwater retention pond consists of a lined pond.
- **Potential LBP:** According to Site personnel, a LBP survey has not been conducted at the Site. Some chipped and/or flaking paint was observed during the Site

inspection. Given the age of the Site buildings, it is likely LBP is present at the Site. However, lead content of paint cannot be determined without laboratory analysis.

11.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

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

DRAFT

Jennifer L. Quigley, P.E.
Site Assessor

DRAFT

Brian C. Boevers
Senior Reviewer

12.0 REFERENCES

City/County

- City of Wyoming Assessor's Office Online Property and Land Search (<http://www.ci.wyoming.mi.us/Assessor/assessor.asp>)
- Kent County Online Property Information System (<https://www.accesskent.com/Property/>)
- April 2009 Aerial Photographs, Kent County Bureau of Equalization Property Description & Mapping Division

State of Michigan

- Michigan Department of Natural Resources and Environment (<http://www.michigan.gov/deq/0,1607,7-135--58024--,00.html>)

Federal Government

- United States Environmental Protection Agency, Region V (<http://www.epa.gov/region5/answers/foia/index.htm>)
- United States Department of Agriculture Natural Resources Conservation Service Web Soil Survey (<http://websoilsurvey.nrcs.usda.gov/app/>)
- United States Department of Agriculture Natural Resources Conservation Service National Hydric Soils List by State (February 2010) (<http://soils.usda.gov/use/hydric/lists/state.html>)
- United States Fish and Wildlife Service Wetlands Online Mapper (<http://wetlandsfws.er.usgs.gov/wtlnds/launch.html>)

Reports, Plans and Other Documents Reviewed

EDR

- The EDR Aerial Photo Decade Package, 300 36th Street SW, Wyoming, Michigan 49548, April 26, 2010;
- The EDR Radius Map with GeoCheck, 300 36th Street SW, Wyoming, Michigan 49548, April 21, 2010;
- The EDR Sanborn Map Report, 300 36th Street SW, Wyoming, Michigan 49548, February 26, 2009;

- The EDR Sanborn Map Report, 300 36th Street SW, Wyoming, Michigan 49548, April 21, 2010;
- The EDR Topographic Map Report, 300 36th Street SW, Wyoming, Michigan 49548, April 21, 2010; and
- The EDR City Directory Abstract, 300 36th Street SW, Wyoming, Michigan 49548, April 26, 2010.

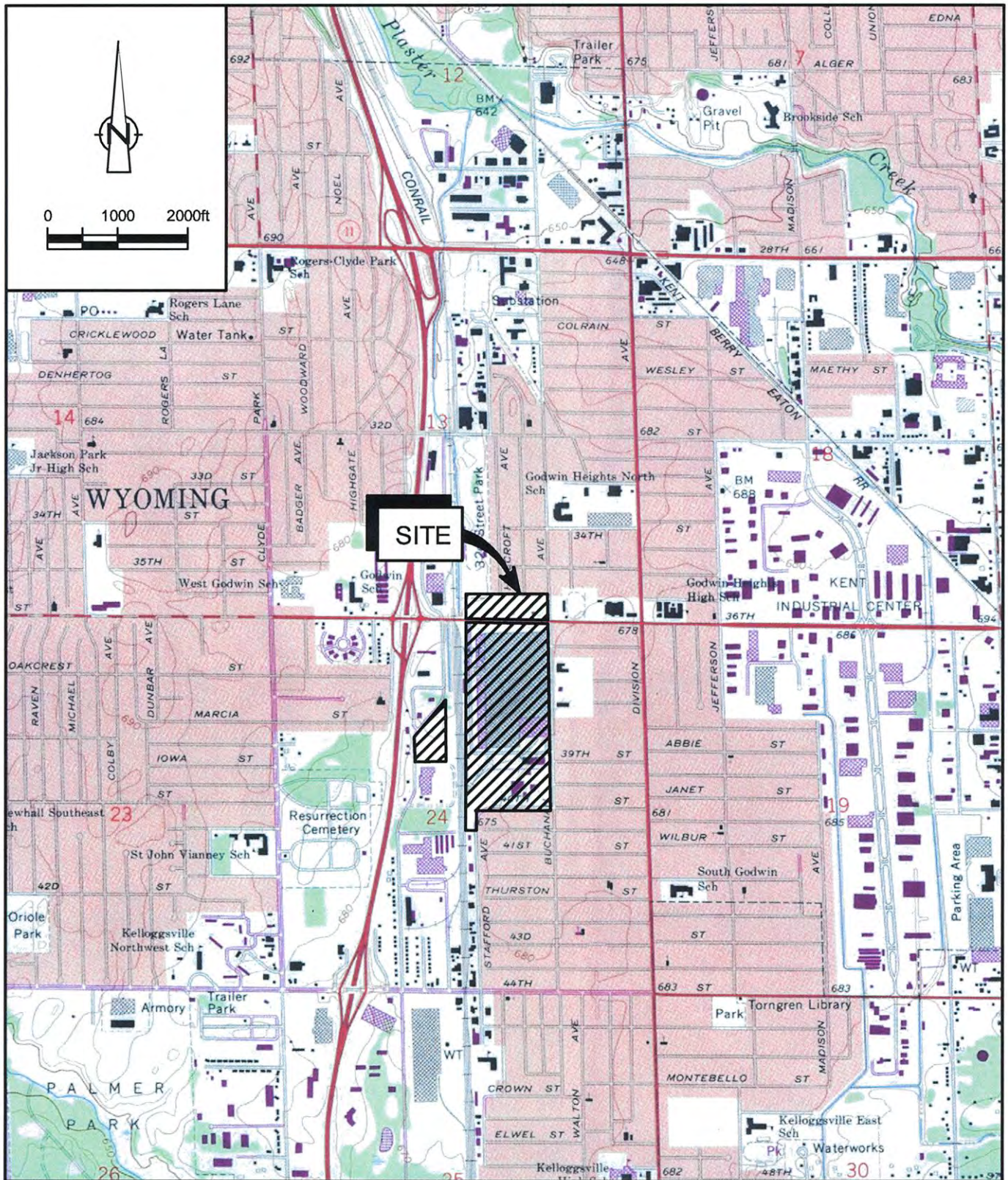
Previous Environmental Reports Reviewed

- Report on Soils Investigation for Fisher Body Retention Basin, Grand Rapids Testing Service, dated October 1972;
- Industrial Environmental Performance Review, GMC, dated April 14, 1978;
- Industrial Environmental Performance Review, GMC, April 10, 1981;
- Inter-Organization Memo – Flood Lube Leak at HS-5 Press, GMC, August 7, 1981;
- Inter-Organization Memo – Groundwater Monitoring, GMC, August 25, 1981;
- Hydrogeologic Evaluation of an Oil Leakage, prepared by Environmental Data, Inc. (EDI), December 1981;
- Groundwater Sampling Results, EDI, January 12, 1982;
- Groundwater Sampling Results, EDI, December 23, 1982;
- Industrial Environmental Performance Review, GMC, November 22, 1985;
- Water Sampling and Analysis at the Plant Construction Area, EDI, February 14, 1986;
- Hydrogeologic Investigation, EDI, March 1986;
- Phase II Hydrogeologic Investigation, EDI, June 1986;
- Correspondence between GM and MDNR, October 2 and November 14, 1986;
- Phase III-A Hydrogeologic Investigation, EDI, March 1987;
- Phase III-B Hydrogeologic Investigation, EDI, July 1987;
- Correspondence between GM and MDNR, June 15 and October 14, 1987;
- Phase IV-A Soil Vapor Pilot Study, EDI, August 1988;

- Phase IV-B Hydrogeologic Investigation, EDI, July 1988;
- Phase IV-C Hydrogeologic Investigation, EDI, July 1988;
- TCE Remediation Monitoring Program, EDI, March 1989;
- Available Information on 1,1,1-TCA, EDI, September 6, 1989;
- TCE Emission Testing Report, EDI, September 21, 1989;
- Off-Site Groundwater Purge Evaluation, WW Engineering & Science, April 1993;
- Addendum to the May 1993 Geotechnical Investigation Report for the Proposed Press Pit, 13-Bay Area - Soil Characterization Results, WW Engineering & Science, June 17, 1993;
- Abandonment of Monitoring Well X-10, GMC, February 23, 1998;
- Results of Soil and Groundwater Sampling Performed in 17-Bay prepared by Earth Tech, Inc., October 27, 1998;
- Results of Soil and Groundwater Sampling Performed in 20-Bay, Earth Tech, March 3, 1999;
- Notice of Migration of Contamination, GMC, June 9, 1999;
- Documentation of Compliance with Section 20107a of Part 201 of Michigan Act 451 Pursuant to Administrative Rule 1003(4)(a), CRA, January 2002;
- Evaluation of Groundwater and Soil Vapor Extraction Treatment Systems, CRA, August 13, 2002;
- Monitoring Well Network Evaluation, CRA, August 13, 2002;
- 4-Bay and 5-Bay Press Pit Excavation (Site records), GMC, August to November 2002;
- Historical Documentation Review Summary, CRA, December 23, 2002;
- Additional Historical Documentation Review Summary, CRA, January 21, 2003;
- Notice of Migration of Contamination, GMC, September 19, 2003;
- Data Report, Activities from March to December 2003, CRA, February 2004;
- 2004 Data Report, CRA, December 2004;

- Results of Press Pit and Perforated Sump System Sampling, CRA, January 6, 2006;
- Summary of Soil Investigations – Former Soil Vapor Extraction System Area, CRA, September 8, 2006;
- 2005 Bulk Unload Area Investigation Summary, CRA, September 8, 2006;
- 2005-2006 Investigation Data Report, CRA, April 2007;
- Summary of Adjacent Property Review – Conical Tool Company, CRA, September 12, 2007;
- 2007 Bulk Unload Area Investigation Summary, CRA, October 26, 2007;
- Summary of Adjacent Property Review – West Side of Cole Drain, CRA, December 5, 2007; and
- October 2009 Semi-Annual Groundwater Monitoring Report, CRA, March 3, 2010.

FIGURES



SOURCE: USGS QUADRANGLE MAP;
GRAND RAPIDS WEST, MICHIGAN

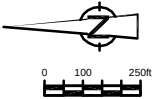
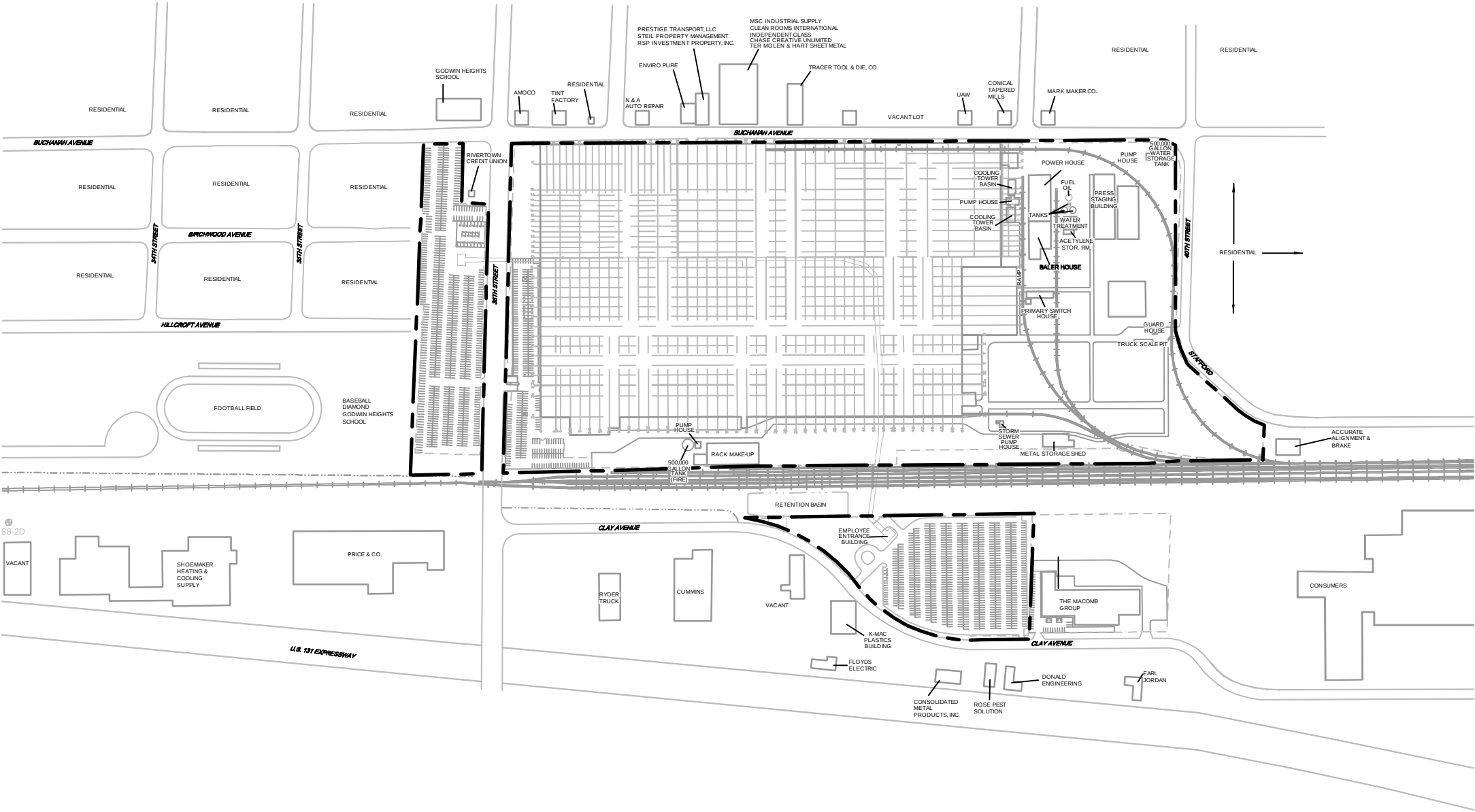
figure 1

SITE LOCATION
MOTORS LIQUIDATION COMPANY ID #1198
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan



GRAND RAPIDS

NEED TO ADD RECS
TO MAP. LIST AND
LOCATION.



- LEGEND
- APPROXIMATE PROPERTY BOUNDARY
 - - - FENCE
 - RAILROAD
 - - - COLE DRAIN

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.



Approved

DRAWING STATUS

Status Date Initial

SITE PLAN AND SURROUNDING PROPERTIES
MOTORS LIQUIDATION COMPANY ID#1198

FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN



Source Reference:			
Project Manager:	Reviewed By:	Date:	
J.Q.	J.Q.	APRIL, 2010	
Scale:	Project N#:	Report N#:	Drawing N#:
1:250	070195-00	001	2

APPENDIX A

Legal Property Description

APPENDIX B

User Questionnaire

APPENDIX C

Environmental Lien Search Results

APPENDIX D

Previous Reports

APPENDIX E

Sanborn Fire Insurance Maps

070195 - Wyoming, MI

300 36th Street SW

Wyoming, MI 49548

Inquiry Number: 2751676.3

April 21, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

4/21/10

Site Name:

070195 - Wyoming, MI
300 36th Street SW
Wyoming, MI 49548

Client Name:

Conestoga-Rovers &
8615 West Bryn Mawr Ave
Chicago, IL 60631

EDR Inquiry # 2751676.3

Contact: Kelly F. Connolly



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Certified Sanborn Results:

Site Name: 070195 - Wyoming, MI
Address: 300 36th Street SW
City, State, Zip: Wyoming, MI 49548
Cross Street:
P.O. # NA
Project: NA
Certification # 2230-44CF-A60B



Sanborn® Library search results
Certification # 2230-44CF-A60B

Maps Provided:

1985
1966
1953
1950

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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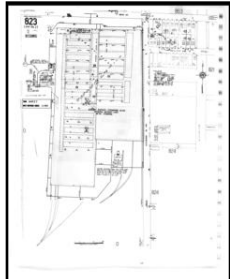
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Sanborn Sheet Thumbnails

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

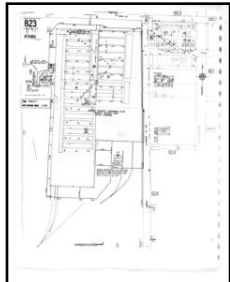


1985 Source Sheets



Volume 7, Sheet 823

1966 Source Sheets



Volume 7, Sheet 823

1953 Source Sheets



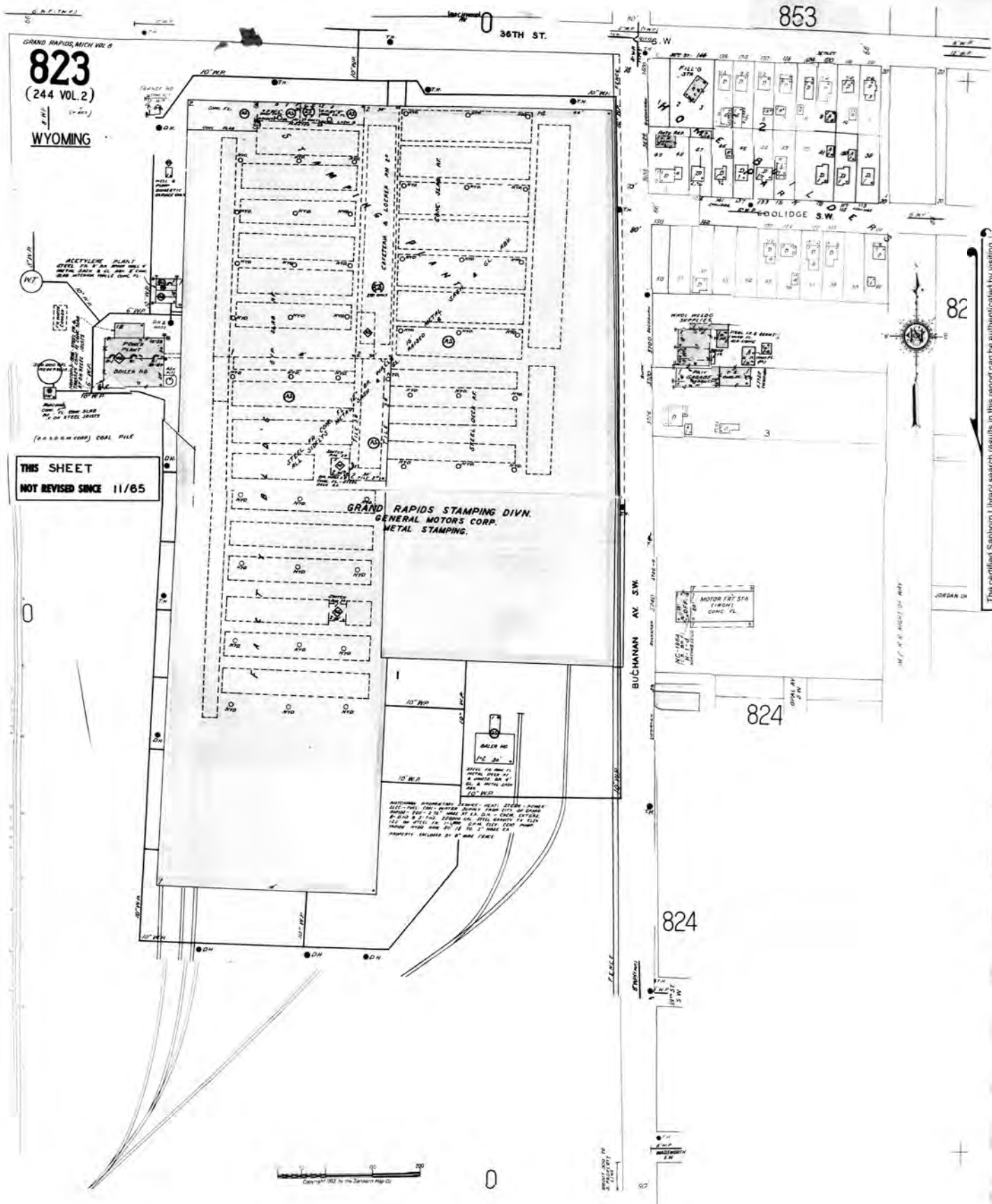
Volume 7, Sheet 823

1950 Source Sheets



Volume 2, Sheet 244

1985 Certified Sanborn Map



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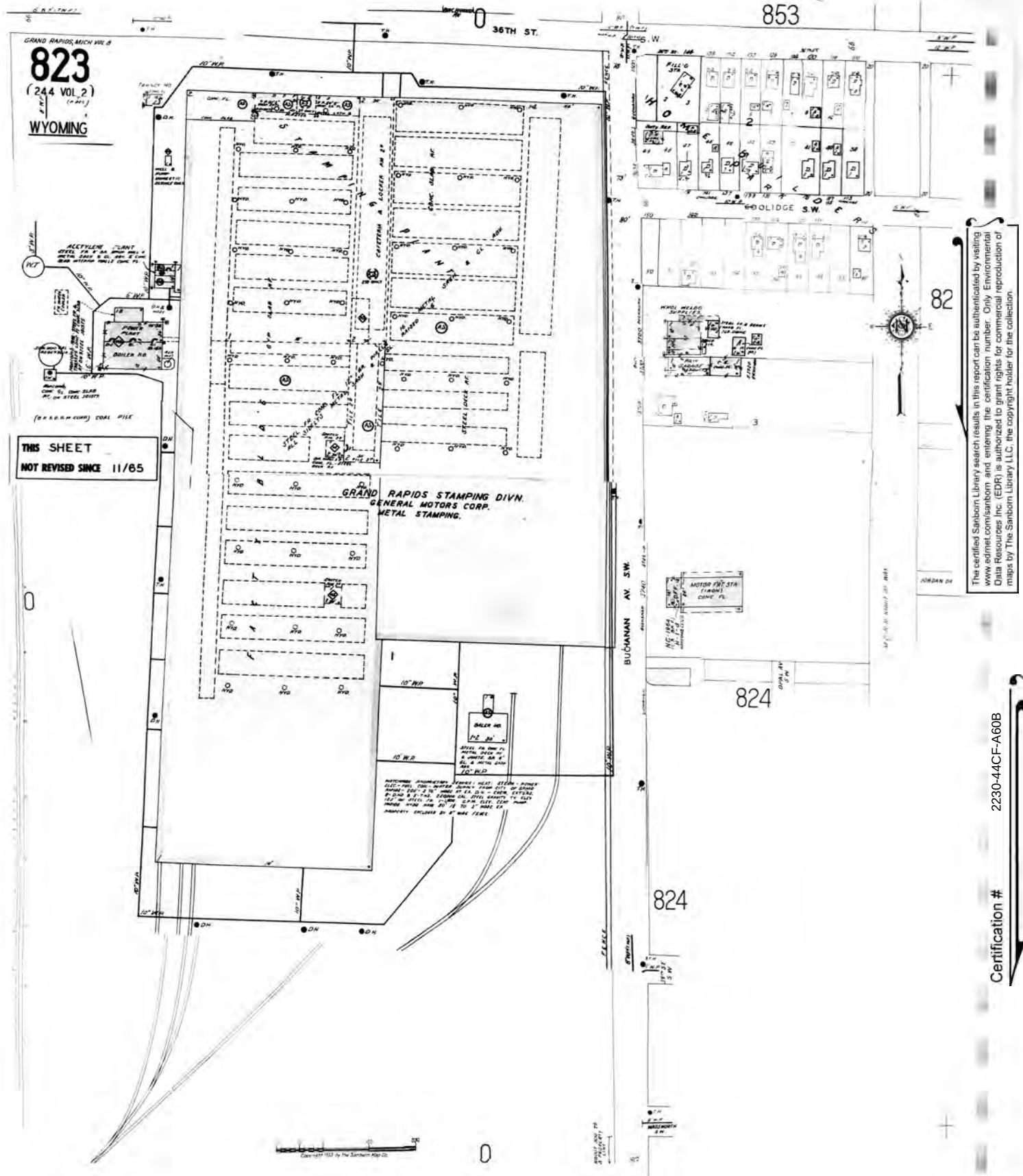
2230-44CF-A60B

Certification #

Site Name: 070195 - Wyoming, MI
 Address: 300 36th Street SW
 City, ST, ZIP: Wyoming MI 49548
 Client: Conestoga-Rovers & Associates
 EDR Inquiry: 2751676.3
 Order Date: 4/21/2010 1:58:00 PM
 Certification #: 2230-44CF-A60B



1966 Certified Sanborn Map



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Client: Conestoga-Rovers & Associates
EDR Inquiry: 2751676.3
Order Date: 4/21/2010 1:58:00 PM
Certification #: 2230-44CF-A60B



Copyright: 1966

2751676 - 3 page 5

1953 Certified Sanborn Map

GRAND RAPIDS, MICH VOL 8

823
(244 VOL 2)

GODWIN HEIGHTS
WYOMING TWP

Cowling Pond

Rectifying Plant

Power Plant

Boiler Room

Open Coal Dock

GRAND RAPIDS STAMPING DIVN
GENERAL MOTORS CORP
METAL STAMPING

24 NO
STEEL PL

BUCHANAN AV S.W.

824

824

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JORDAN DR S.W.

2230-44CF-A60B

Certification #

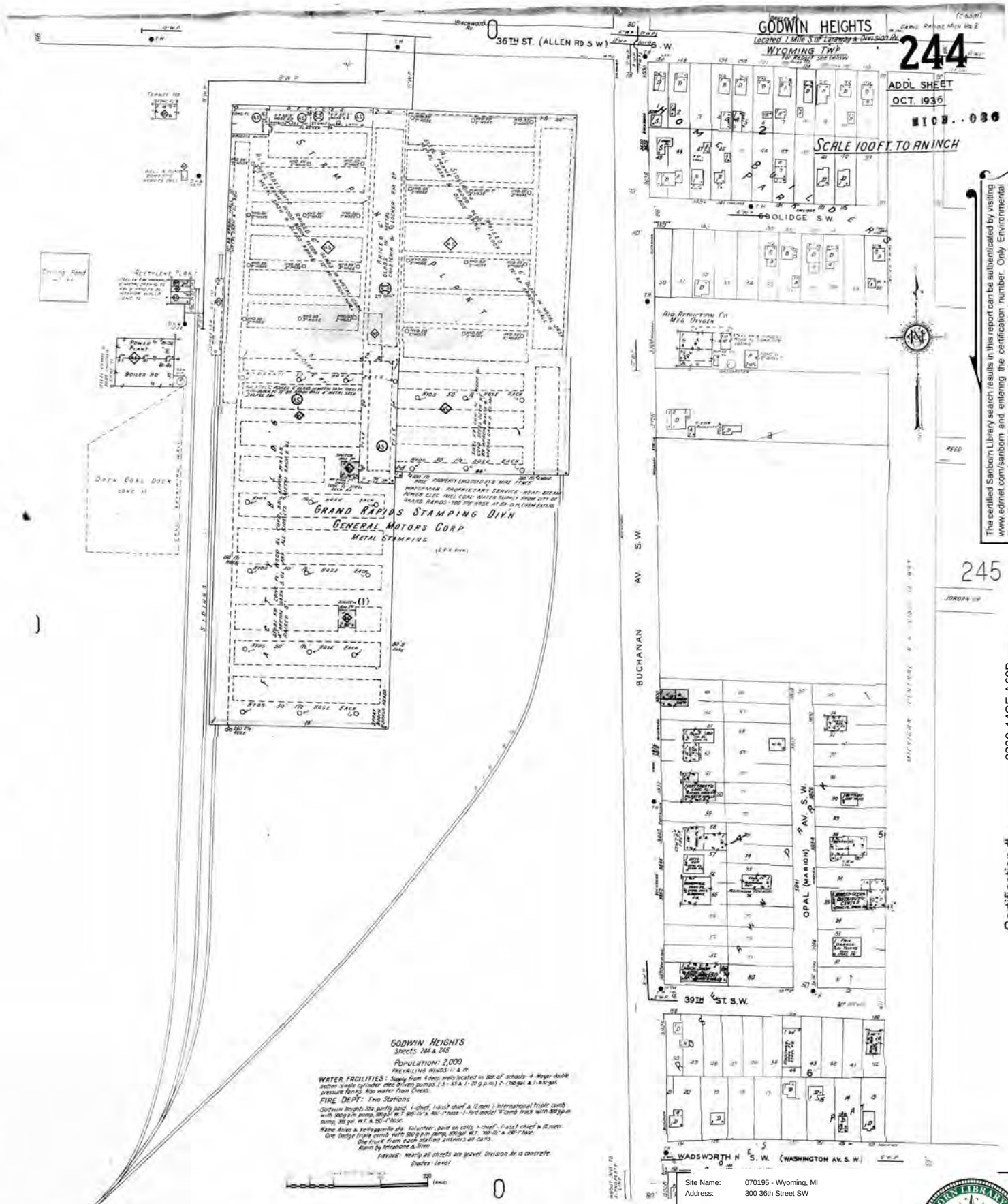
Site Name: 070195 - Wyoming, MI
Address: 300 36th Street SW
City, ST, ZIP: Wyoming MI 49548
Client: Conestoga-Rovers & Associates
EDR Inquiry: 2751676.3
Order Date: 4/21/2010 1:58:00 PM
Certification #: 2230-44CF-A60B

Copyright: 1953

2751676 - 3 page 6



1950 Certified Sanborn Map



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245

2230-44CF-A60B

Certification #

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Address: 300 36th Street SW
City, ST, ZIP: Wyoming MI 49548
Client: Conestoga-Rovers & Associates
EDR Inquiry: 2751676.3
Order Date: 4/21/2010 1:58:00 PM
Certification # 2230-44CF-A60B



Copyright: 1950

2751676 - 3 page 7

17360-10 - Wyoming, MI

300 36th Street SW

Wyoming, MI 49548

Inquiry Number: 2429820.3

February 26, 2009

Certified Sanborn® Map Report

Certified Sanborn® Map Report

2/26/09

Site Name:

17360-10 - Wyoming, MI
300 36th Street SW
Wyoming, MI 49548

Client Name:

Conestoga-Rovers &
8615 West Bryn Mawr Ave
Chicago, IL 60631

EDR Inquiry # 2429820.3

Contact: Kelly Connolly



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City, State, Zip: Wyoming, MI 49548
Cross Street:
P.O. # 17360-10 - Wyoming,
Project: 17360-10 - Wyom
Certification # F53F-488E-91E4



Sanborn® Library search results
Certification # F53F-488E-91E4

Maps Provided:

1950
1953
1966
1985

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

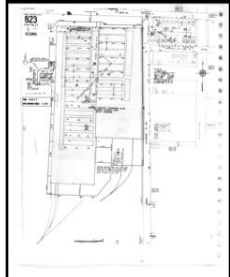
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Sanborn Sheet Thumbnails

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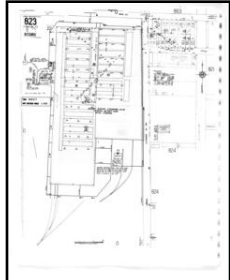


1985 Source Sheets



Volume 7, Sheet 823

1966 Source Sheets



Volume 7, Sheet 823

1953 Source Sheets



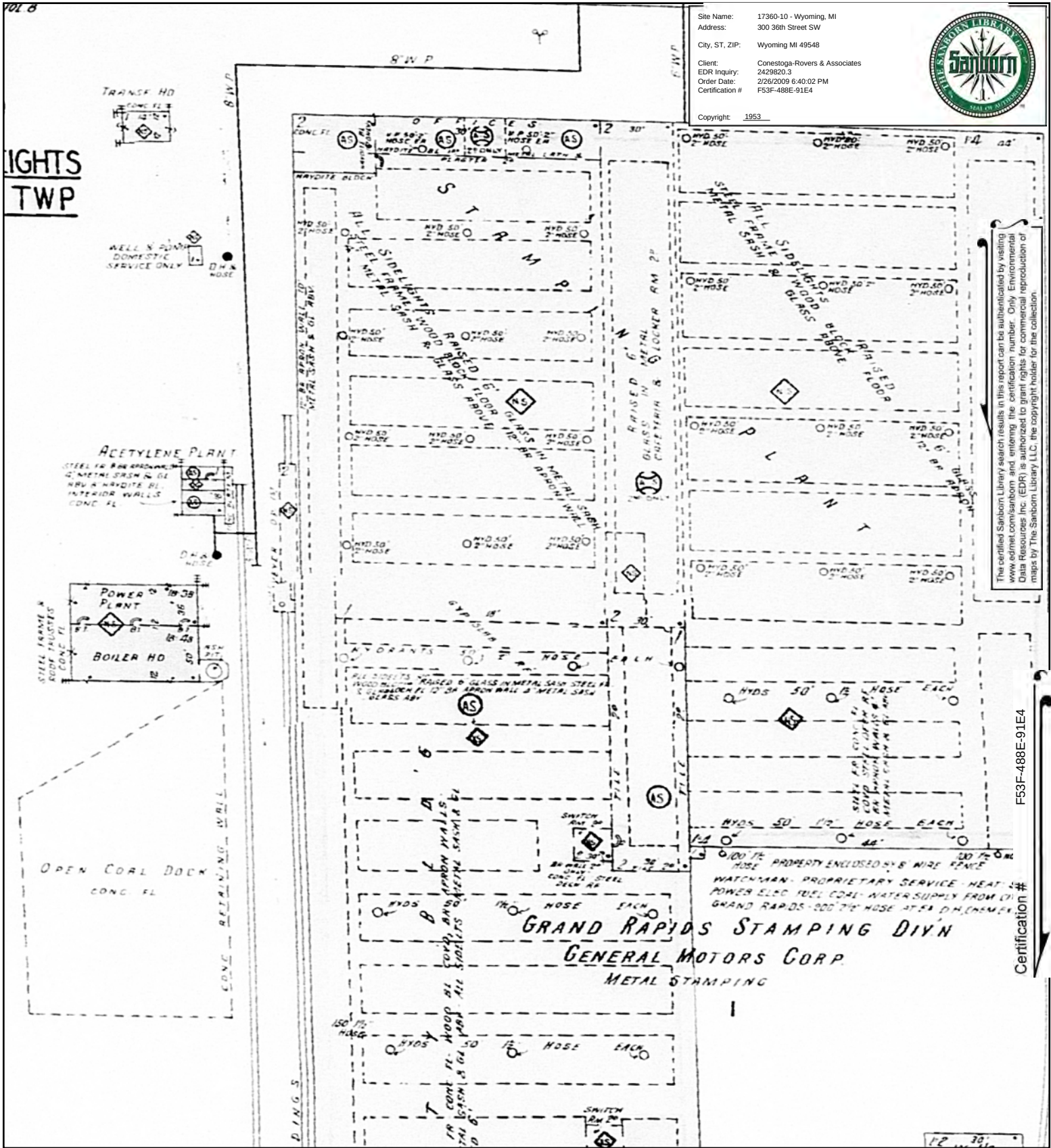
Volume 7, Sheet 823

1950 Source Sheets

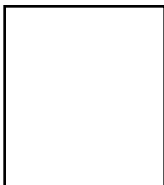


Volume 2, Sheet 244

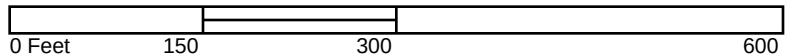
1953 Certified Sanborn Map



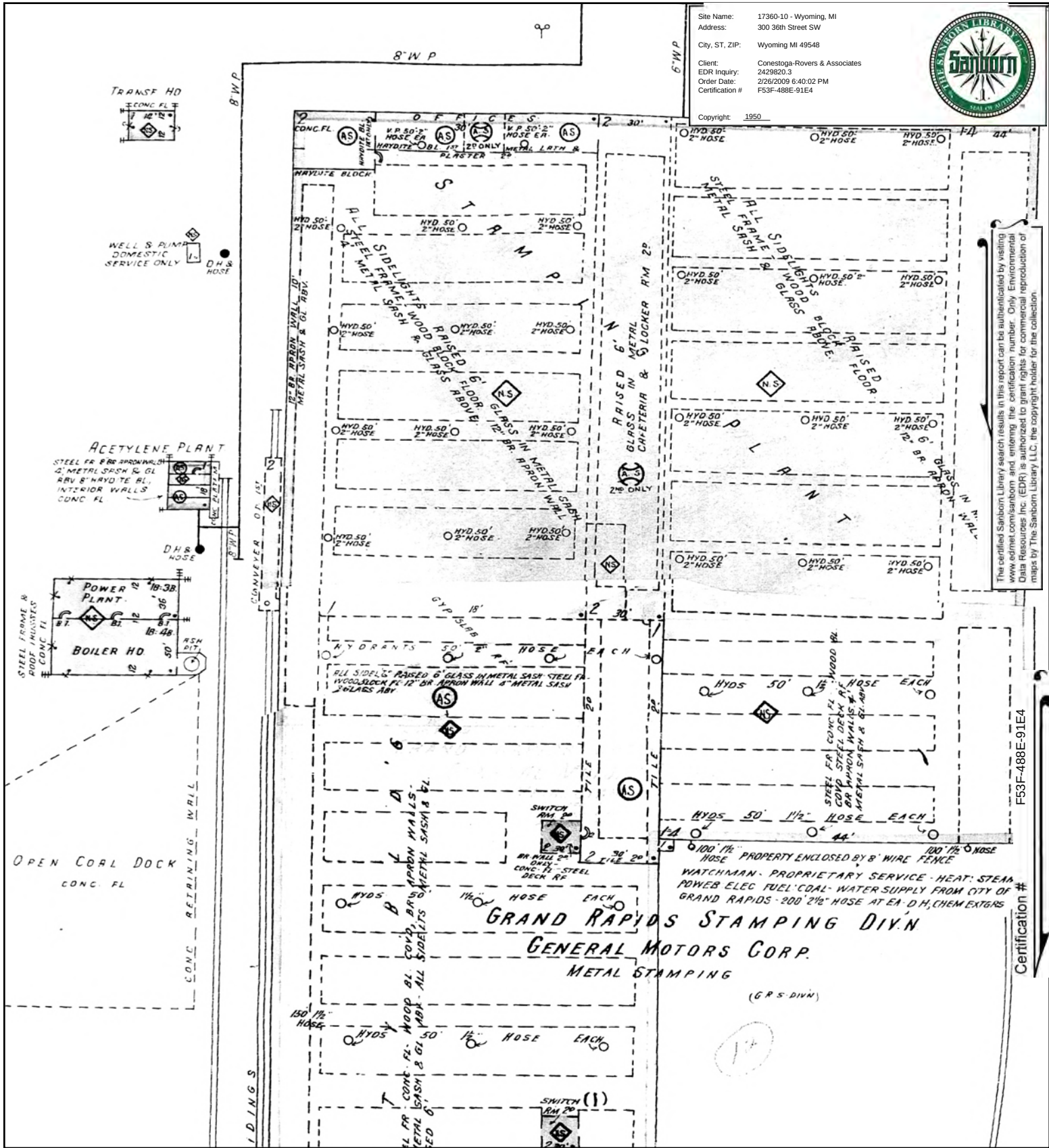
This Certified Sanborn Map combines the following sheets (thumbnails on page 3).



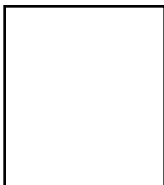
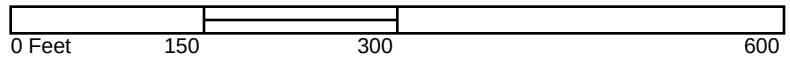
Volume 7, Sheet 823



1950 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets (thumbnails on page 3).



Volume 2, Sheet 244



17360-10 - Wyoming, MI

300 36th Street SW

Wyoming, MI 49548

Inquiry Number: 2429820.3

February 26, 2009

Certified Sanborn® Map Report

Certified Sanborn® Map Report

2/26/09

Site Name:

17360-10 - Wyoming, MI
300 36th Street SW
Wyoming, MI 49548

Client Name:

Conestoga-Rovers &
8615 West Bryn Mawr Ave
Chicago, IL 60631

EDR Inquiry # 2429820.3

Contact: Kelly Connolly



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City, State, Zip: Wyoming, MI 49548
Cross Street:
P.O. # 17360-10 - Wyoming,
Project: 17360-10 - Wyom
Certification # F53F-488E-91E4



Sanborn® Library search results
Certification # F53F-488E-91E4

Maps Provided:

1950
1953
1966
1985

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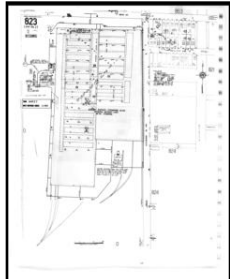
For more information about the new enhancements to the Certified Sanborn Map Report, contact your EDR representative at 800-352-0050.

Sanborn Sheet Thumbnails

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1985 Source Sheets



Volume 7, Sheet 823

1966 Source Sheets

1953 Source Sheets



Volume 7, Sheet 823

1950 Source Sheets



Volume 2, Sheet 244

1985 Certified Sanborn Map

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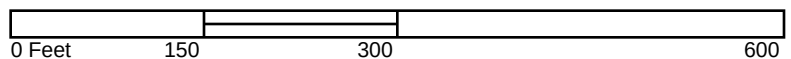
Certification # F53F-488E-91E4

Site Name: 17360-10 - Wyoming, MI
 Address: 300 36th Street SW
 City, ST, ZIP: Wyoming MI 49548
 Client: Conestoga-Rovers & Associates
 EDR Inquiry: 2429820-3
 Order Date: 2/26/2009 6:40:02 PM
 Certification # F53F-488E-91E4

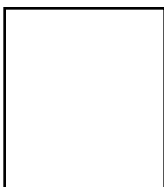
Copyright: 1985



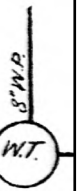
This Certified Sanborn Map combines the following sheets (thumbnails on page 3).



Volume 7, Sheet 823



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1966 Certified Sanborn Map

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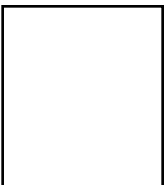
Site Name: 17360-10 - Wyoming, MI
Address: 300 36th Street SW
City, ST, ZIP: Wyoming MI 49548
Client: Conestoga-Rovers & Associates
EDR Inquiry: 2429820-3
Order Date: 2/26/2009 6:40:02 PM
Certification # F53F-488E-91E4

Copyright: 1966



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0 Feet 150 300 600



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1953 Certified Sanborn Map

GRAND RAPIDS, MICH

823

(244 VOL. 2)

GODWIN H

WYOMING

Cooling Pond
NO R.F.

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Order Date: 2/26/2009 6:40:02 PM
Certification # F53F-488E-91E4

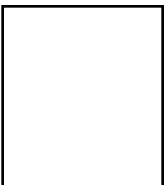


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Volume 7, Sheet 823



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Cooling Pond
N.C. R.F.

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EDR Inquiry: 2429820-3
Order Date: 2/26/2009 6:40:02 PM
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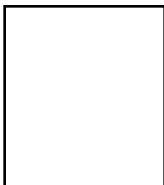


Copyright: 1950

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0 Feet 150 300 600

Volume 2, Sheet 244



17360-10 - Wyoming, MI

300 36th Street SW

Wyoming, MI 49548

Inquiry Number: 2429820.3

February 26, 2009

Certified Sanborn® Map Report

Certified Sanborn® Map Report

2/26/09

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Maps Provided:

1950
1953
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1985 Source Sheets



Volume 7, Sheet 821



Volume 7, Sheet 822

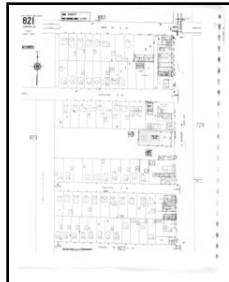


Volume 7, Sheet 823

1966 Source Sheets



Volume 7, Sheet 853



Volume 7, Sheet 821



Volume 7, Sheet 822

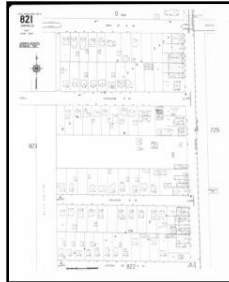


Volume 7, Sheet 823

1953 Source Sheets



Volume 7, Sheet 823



Volume 7, Sheet 821



Volume 7, Sheet 822

1950 Source Sheets

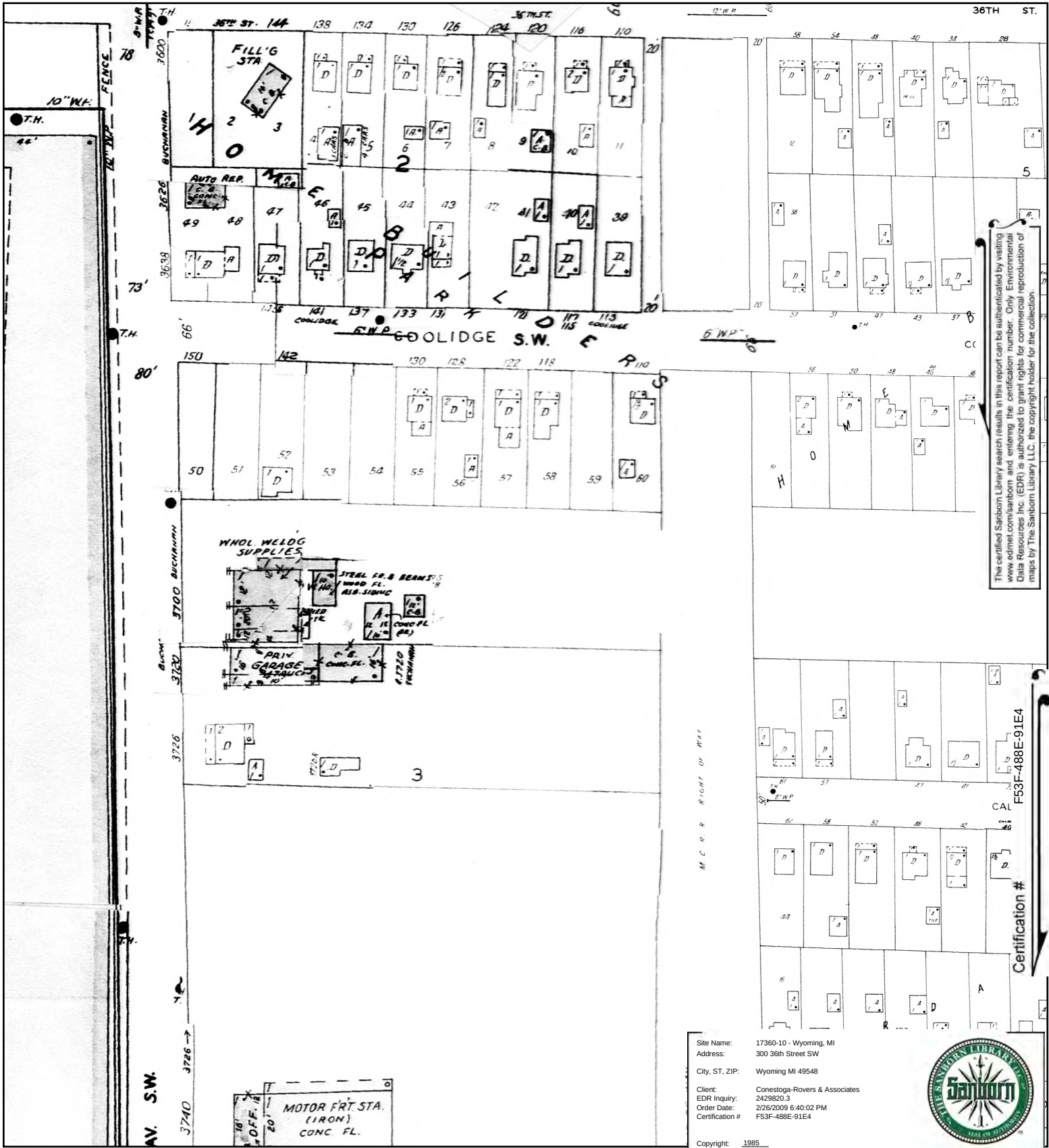


Volume 2, Sheet 244

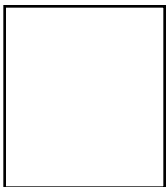


Volume 2, Sheet 245

1985 Certified Sanborn Map

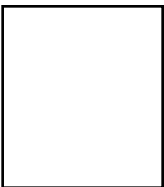
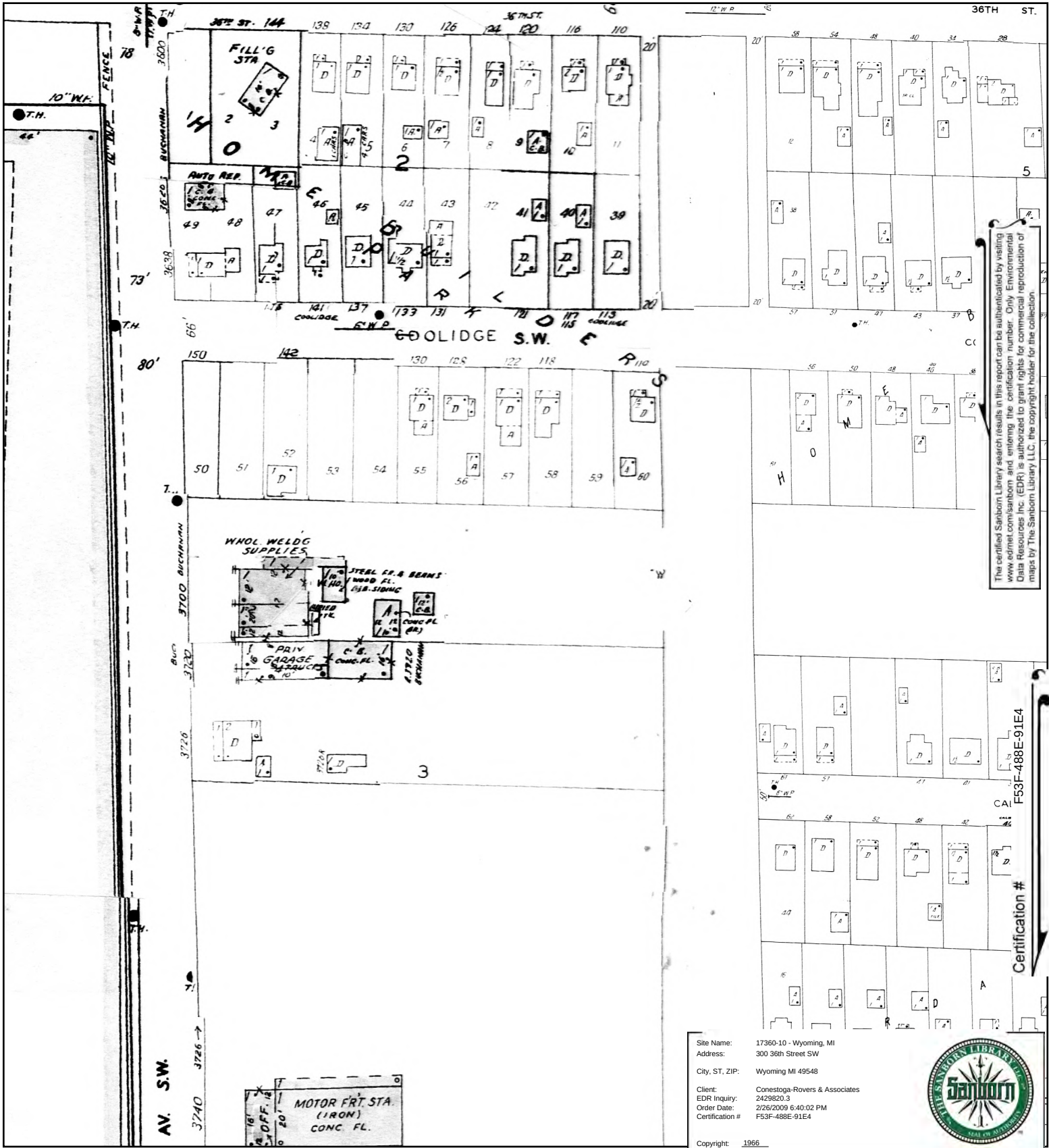


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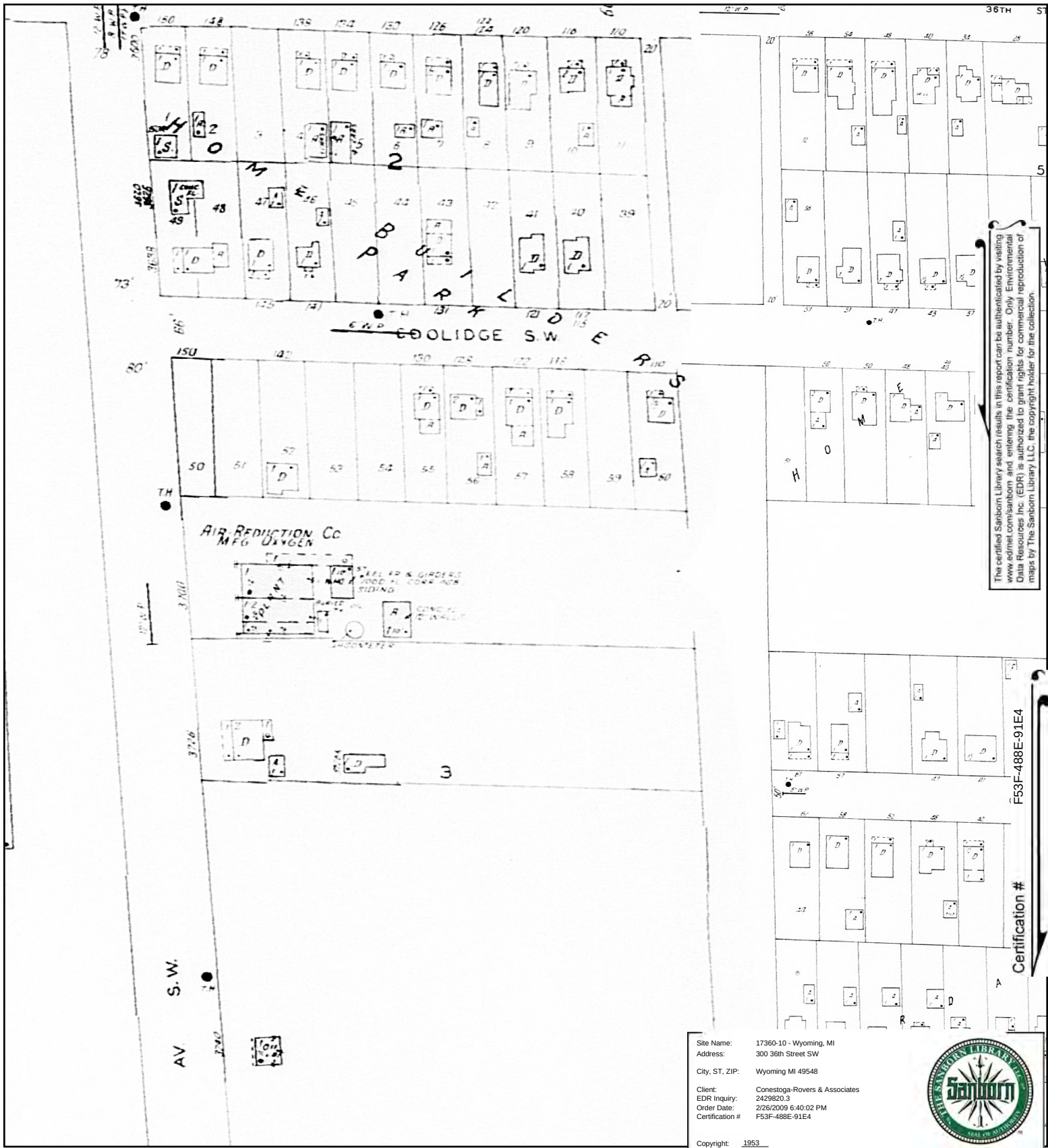


Volume 7, Sheet 821
Volume 7, Sheet 822
Volume 7, Sheet 823

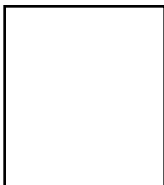
1966 Certified Sanborn Map



1953 Certified Sanborn Map

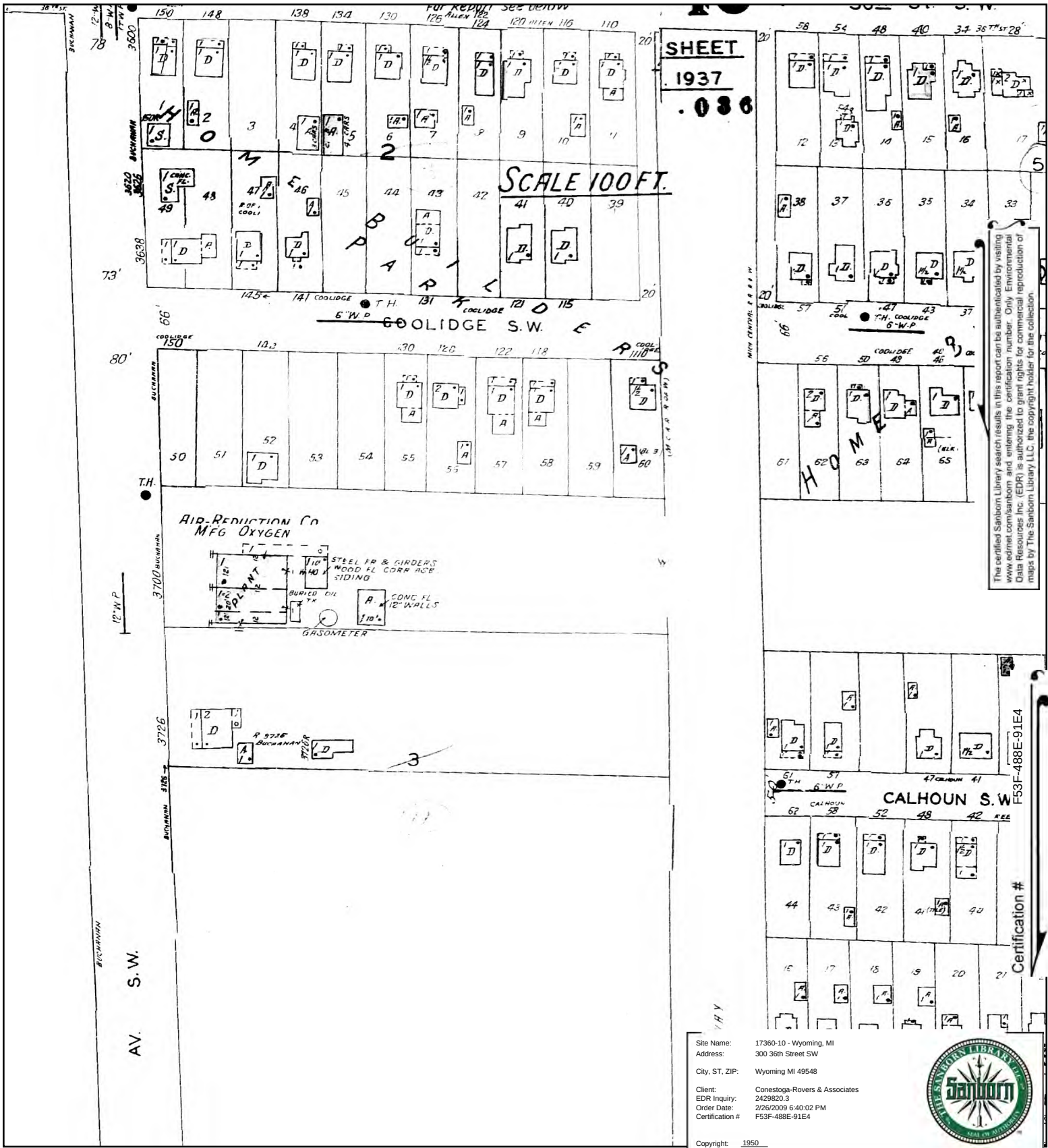


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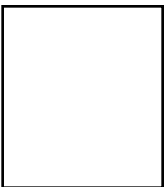


Volume 7, Sheet 823
Volume 7, Sheet 821
Volume 7, Sheet 822

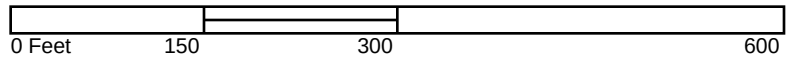
1950 Certified Sanborn Map



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(thumbnails on page 3).



Volume 2, Sheet 244
Volume 2, Sheet 245



17360-10 - Wyoming, MI

300 36th Street SW

Wyoming, MI 49548

Inquiry Number: 2429820.3

February 26, 2009

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EDR Inquiry # 2429820.3

Contact: Kelly Connolly



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Certified Sanborn Results:

Site Name: 17360-10 - Wyoming, MI
Address: 300 36th Street SW
City, State, Zip: Wyoming, MI 49548
Cross Street:
P.O. # 17360-10 - Wyoming,
Project: 17360-10 - Wyom
Certification # F53F-488E-91E4



Sanborn® Library search results
Certification # F53F-488E-91E4

Maps Provided:

1953
1966
1985

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

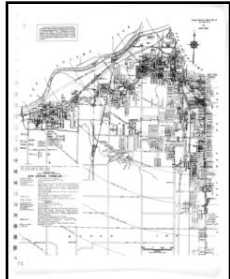
For more information about the new enhancements to the Certified Sanborn Map Report, contact your EDR representative at 800-352-0050.

Sanborn Sheet Thumbnails

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1985 Source Sheets



Volume 7, Sheet R

1966 Source Sheets

1953 Source Sheets

1985 Certified Sanborn Map

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Certification # F53F-488E-91E4

Site Name: 17360-10 - Wyoming, MI
Address: 300 36th Street SW
City, ST, ZIP: Wyoming MI 49548
Client: Conestoga-Rovers & Associates
EDR Inquiry: 2429820-3
Order Date: 2/26/2009 6:40:02 PM
Certification # F53F-488E-91E4

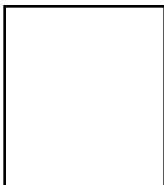
Copyright: 1985



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0 Feet 150 300 600

Volume 7, Sheet R



1966 Certified Sanborn Map

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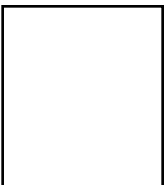
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Address: 300 36th Street SW
City, ST, ZIP: Wyoming MI 49548
Client: Conestoga-Rovers & Associates
EDR Inquiry: 2429820-3
Order Date: 2/26/2009 6:40:02 PM
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Copyright: 1966



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0 Feet 150 300 600



1953 Certified Sanborn Map

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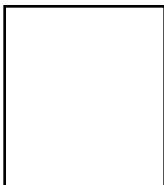
Site Name: 17360-10 - Wyoming, MI
Address: 300 36th Street SW
City, ST, ZIP: Wyoming MI 49548
Client: Conestoga-Rovers & Associates
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0 Feet 150 300 600



17360-10 - Wyoming, MI

300 36th Street SW

Wyoming, MI 49548

Inquiry Number: 2429820.3

February 26, 2009

Certified Sanborn® Map Report

Certified Sanborn® Map Report

2/26/09

Site Name:

17360-10 - Wyoming, MI
300 36th Street SW
Wyoming, MI 49548

Client Name:

Conestoga-Rovers &
8615 West Bryn Mawr Ave
Chicago, IL 60631

EDR Inquiry # 2429820.3

Contact: Kelly Connolly



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Certification # F53F-488E-91E4



Sanborn® Library search results
Certification # F53F-488E-91E4

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1966
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- We've increased coverage by adding thousands of new maps from 40 cities for years 1994-2007.
- A new Map Key and Sheet Thumbnails let you reference sheet numbers, year and volume of original Sanborn Map panels used for this report.

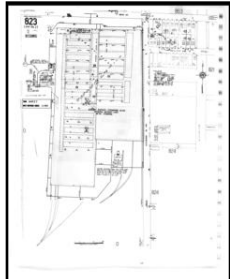
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Sanborn Sheet Thumbnails

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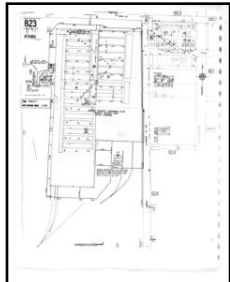


1985 Source Sheets



Volume 7, Sheet 823

1966 Source Sheets



Volume 7, Sheet 823

1953 Source Sheets



Volume 7, Sheet 823

1950 Source Sheets

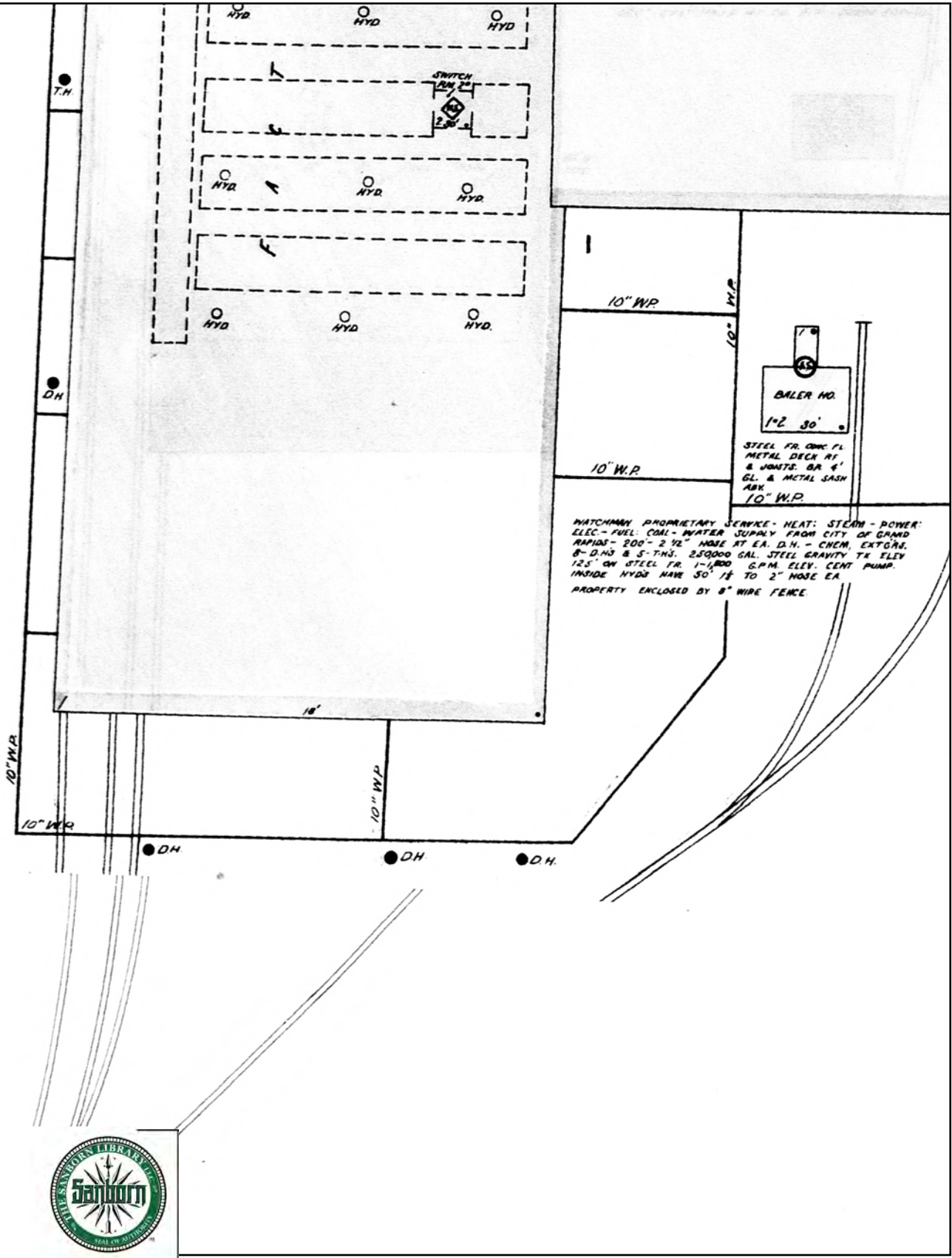


Volume 2, Sheet 244

1985 Certified Sanborn Map

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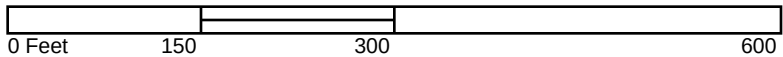


Site Name: 17360-10 - Wyoming, MI
 Address: 300 36th Street SW
 City, ST, ZIP: Wyoming MI 49548
 Client: Conestoga-Rovers & Associates
 EDR Inquiry: 2429820-3
 Order Date: 2/26/2009 6:40:02 PM
 Certification # F53F-488E-91E4

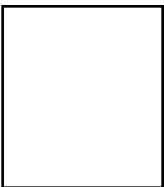
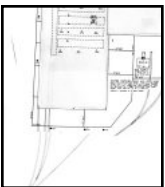
Copyright: 1985



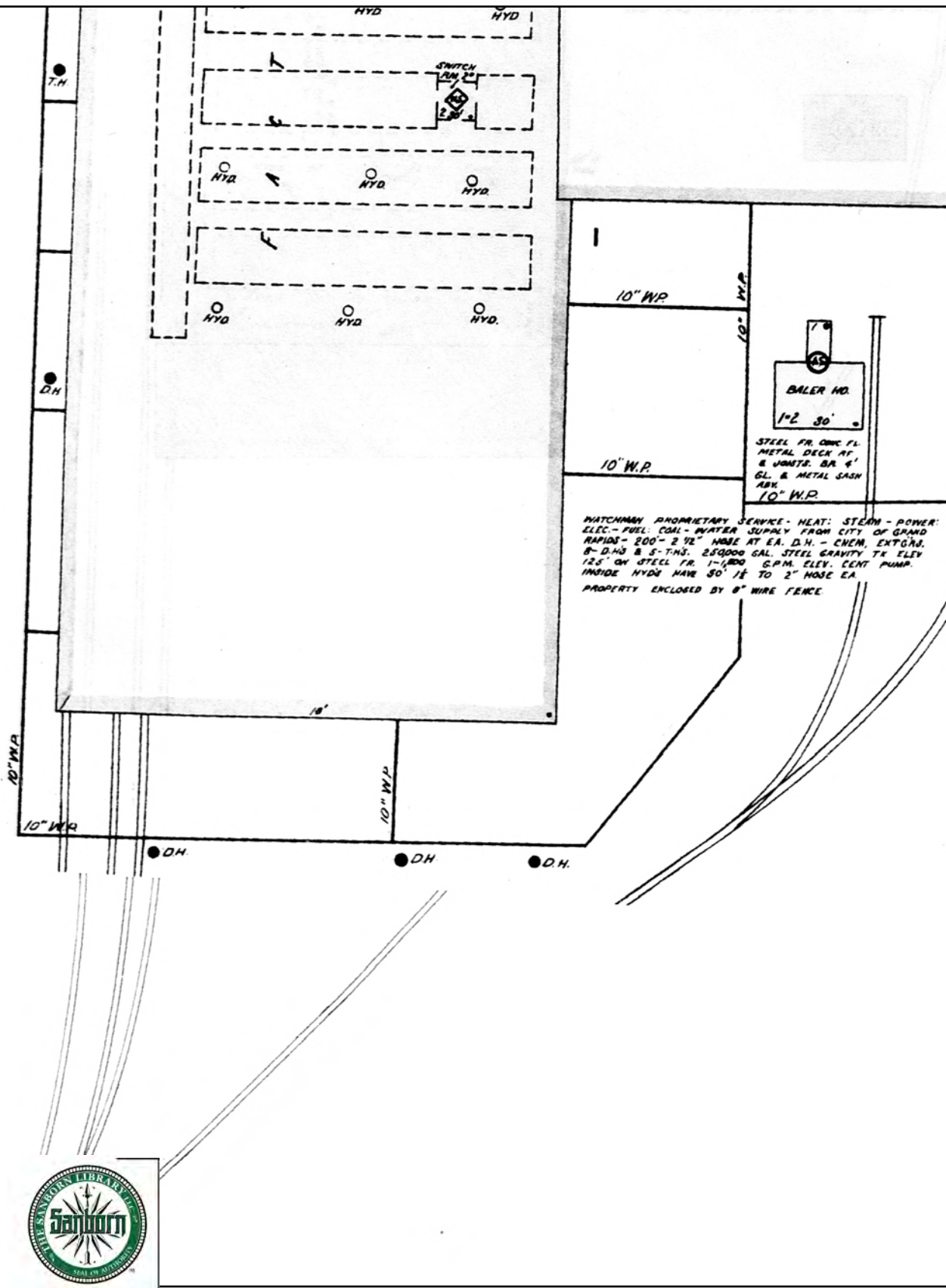
This Certified Sanborn Map combines the following sheets (thumbnails on page 3).



Volume 7, Sheet 823



1966 Certified Sanborn Map



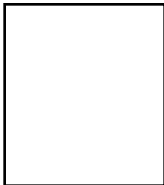
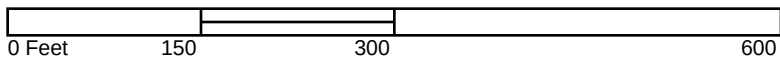
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Address: 300 36th Street SW
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Volume 7, Sheet 823



1953 Certified Sanborn Map

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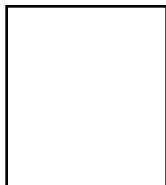
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Site Name: 17360-10 - Wyoming, MI
 Address: 300 36th Street SW
 City, ST, ZIP: Wyoming MI 49548
 Client: Conestoga-Rovers & Associates
 EDR Inquiry: 2429820-3
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 Certification # F53F-488E-91E4

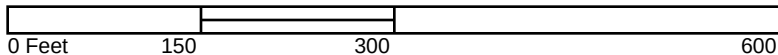
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Volume 7, Sheet 823



1950 Certified Sanborn Map

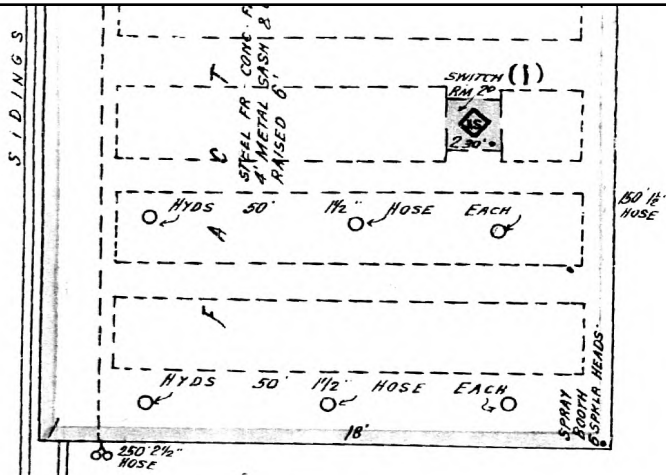
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Client: Conestoga-Rovers & Associates
EDR Inquiry: 2429820-3
Order Date: 2/26/2009 6:40:02 PM
Certification # F53F-488E-91E4

Copyright: 1950



GODWIN HEIGHTS Sheets 244 & 245

POPULATION: 2,000

PREVAILING WINDS: N. & W.

WATER FACILITIES: Supply from 4 deep wells located in Bx. of schools: 4-Meyer double action single cylinder elec driven pumps. (3-35 & 1-20 g.p.m.) 2-(750 gal. & 1-800 gal. pressure tanks. Also water from Creeks.

FIRE DEPT: Two Stations.

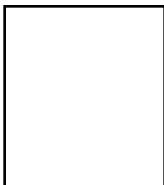
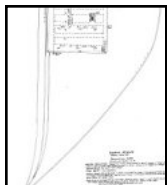
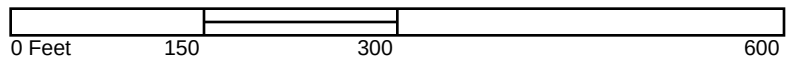
Godwin Heights Sta. partly paid. 1-chief, 1-ass't chief & 12 men 1-International triple comb with 500 g.p.m. pump, 500 gal. W.T. 600'-1 1/2" & 400'-1" hose. 1-Ford model "A" comb. truck with 300 g.p.m. pump, 335 gal. W.T. & 350'-1" hose.

Home Acres & Kelloggsville sta: Volunteer, paid on calls 1-chief-1-ass't chief & 12 men. One Dodge triple comb. with 500 g.p.m. pump, 500 gal. W.T. 700'-1 1/2" & 150'-1" hose.

One truck from each station answers all calls.

Alarm by telephone & Siren.

This Certified Sanborn Map combines the following sheets (thumbnails on page 3).



Volume 2, Sheet 244



17360-10 - Wyoming, MI

300 36th Street SW

Wyoming, MI 49548

Inquiry Number: 2429820.3

February 26, 2009

Certified Sanborn® Map Report

Certified Sanborn® Map Report

2/26/09

Site Name:

17360-10 - Wyoming, MI
300 36th Street SW
Wyoming, MI 49548

Client Name:

Conestoga-Rovers &
8615 West Bryn Mawr Ave
Chicago, IL 60631

EDR Inquiry # 2429820.3

Contact: Kelly Connolly



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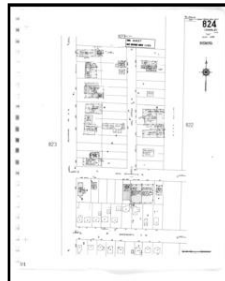
Volume 7, Sheet 821



Volume 7, Sheet 822



Volume 7, Sheet 823



Volume 7, Sheet 824

1966 Source Sheets



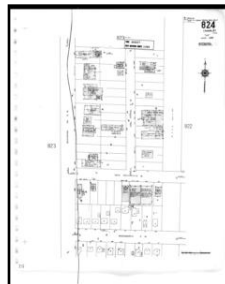
Volume 7, Sheet 821



Volume 7, Sheet 822

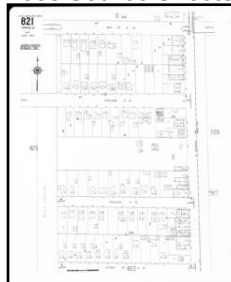


Volume 7, Sheet 823



Volume 7, Sheet 824

1953 Source Sheets



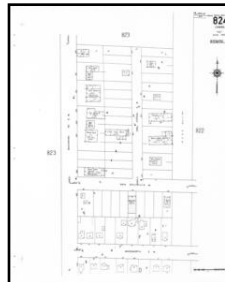
Volume 7, Sheet 821



Volume 7, Sheet 822



Volume 7, Sheet 823



Volume 7, Sheet 824

1950 Source Sheets

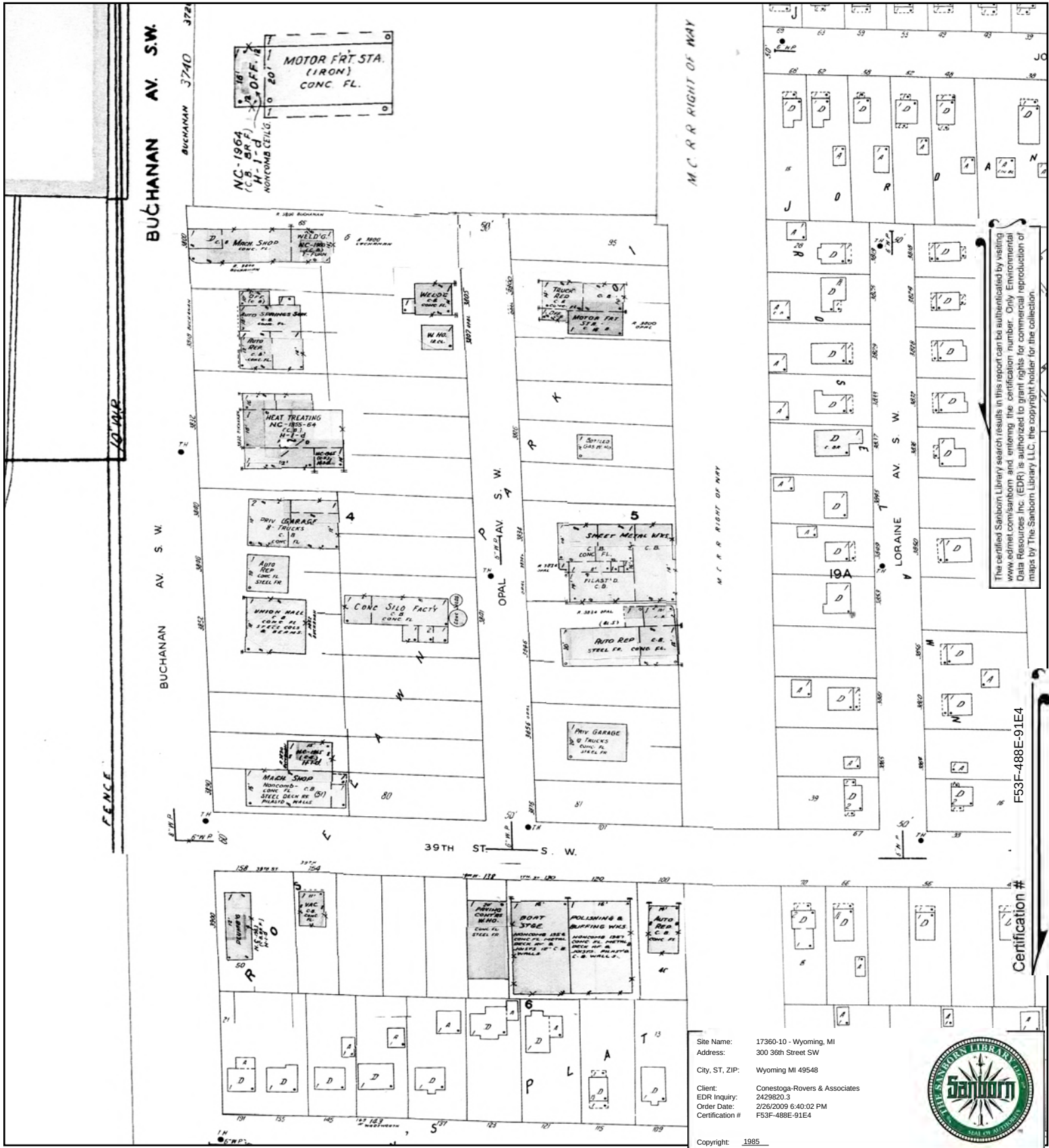


Volume 2, Sheet 244

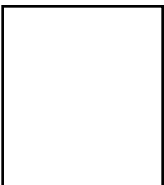
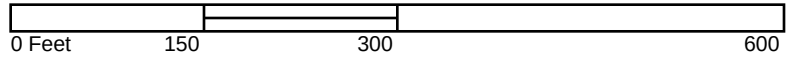


Volume 2, Sheet 245

1985 Certified Sanborn Map



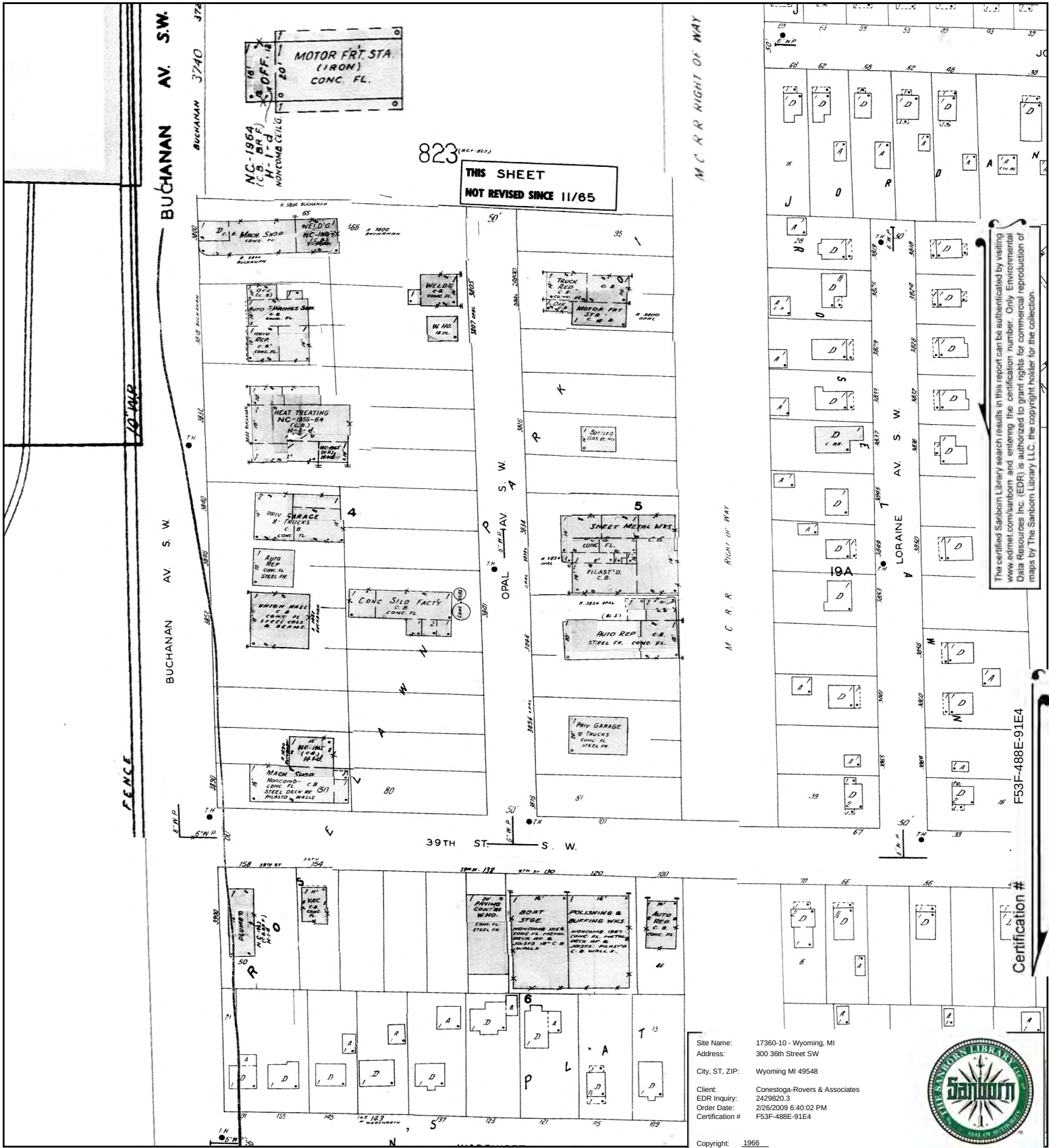
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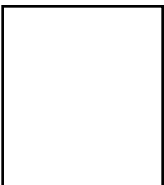
Volume 7, Sheet 821
Volume 7, Sheet 822
Volume 7, Sheet 823
Volume 7, Sheet 824



1966 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets (thumbnails on page 3).

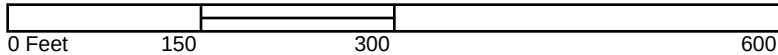


Volume 7, Sheet 821
 Volume 7, Sheet 822
 Volume 7, Sheet 823
 Volume 7, Sheet 824

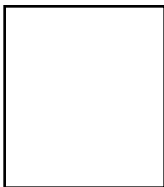
1953 Certified Sanborn Map



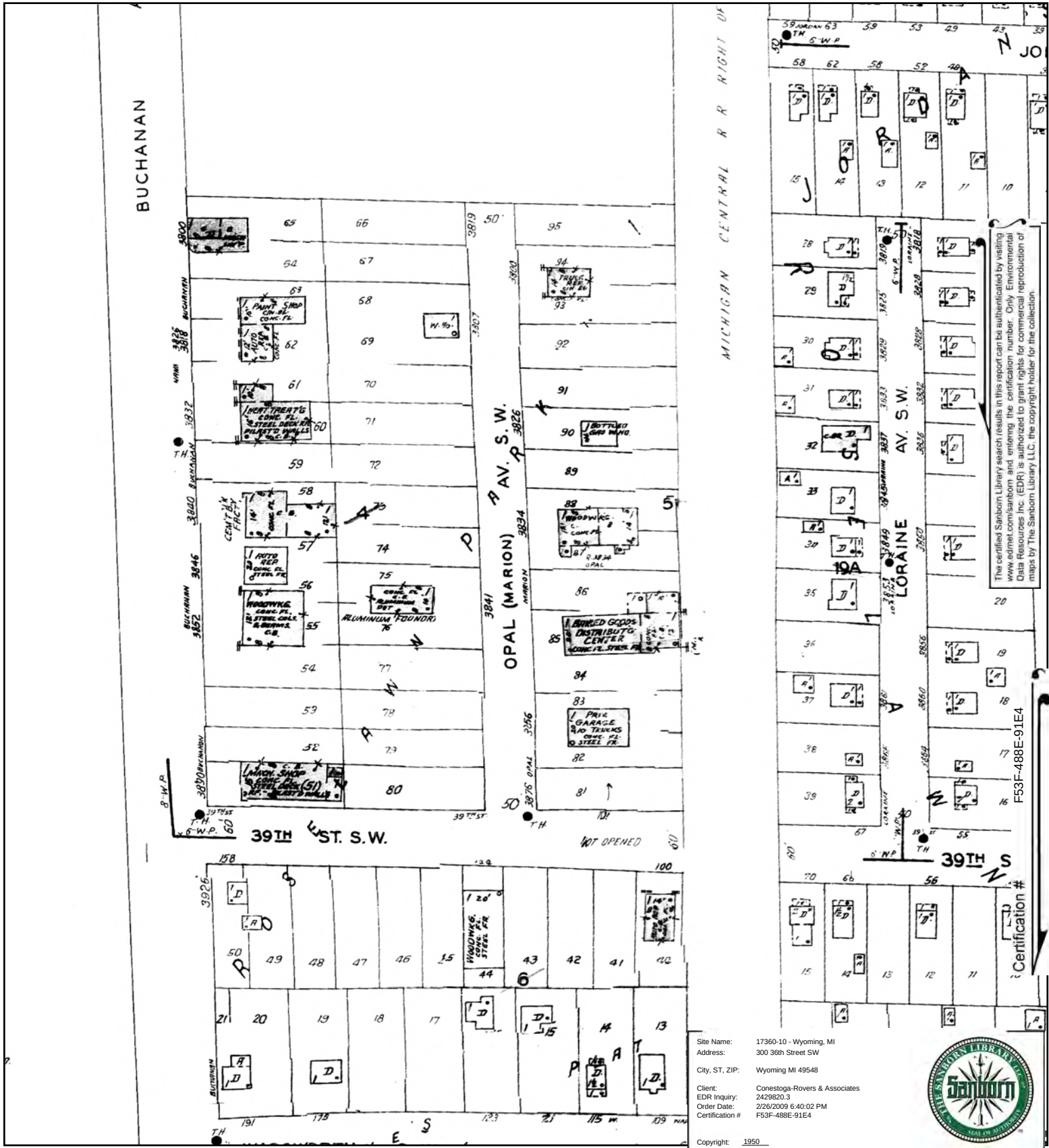
This Certified Sanborn Map combines the following sheets (thumbnails on page 3).



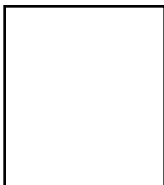
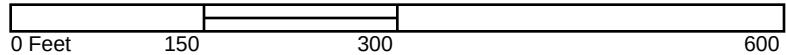
Volume 7, Sheet 821
Volume 7, Sheet 822
Volume 7, Sheet 823
Volume 7, Sheet 824



1950 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets (thumbnails on page 3).



Volume 2, Sheet 244

Volume 2, Sheet 245



APPENDIX F

Historical Aerial Photographs

070195 - Wyoming, MI

300 36th Street SW

Wyoming, MI 49548

Inquiry Number: 2751676.5

April 26, 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. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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

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Date EDR Searched Historical Sources:

Aerial Photography April 26, 2010

Target Property:

300 36th Street SW

Wyoming, MI 49548

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	AAA
1950	Aerial Photograph. Scale: 1"=500'	Flight Year: 1950 Photo Not Available - Image missing from collection	PMA
1960	Aerial Photograph. Scale: 1"=500'	Flight Year: 1960	CSS
1967	Aerial Photograph. Scale: 1"=500'	Flight Year: 1967	ASCS
1978	Aerial Photograph. Scale: 1"=600'	Flight Year: 1978	ASCS
1993	Aerial Photograph. Scale: 1"=600'	Flight Year: 1993	NAPP
1997	Aerial Photograph. Scale: unknown	Flight Year: 1997	FSA
2005	Aerial Photograph. 1" = 604'	Flight Year: 2005	EDR



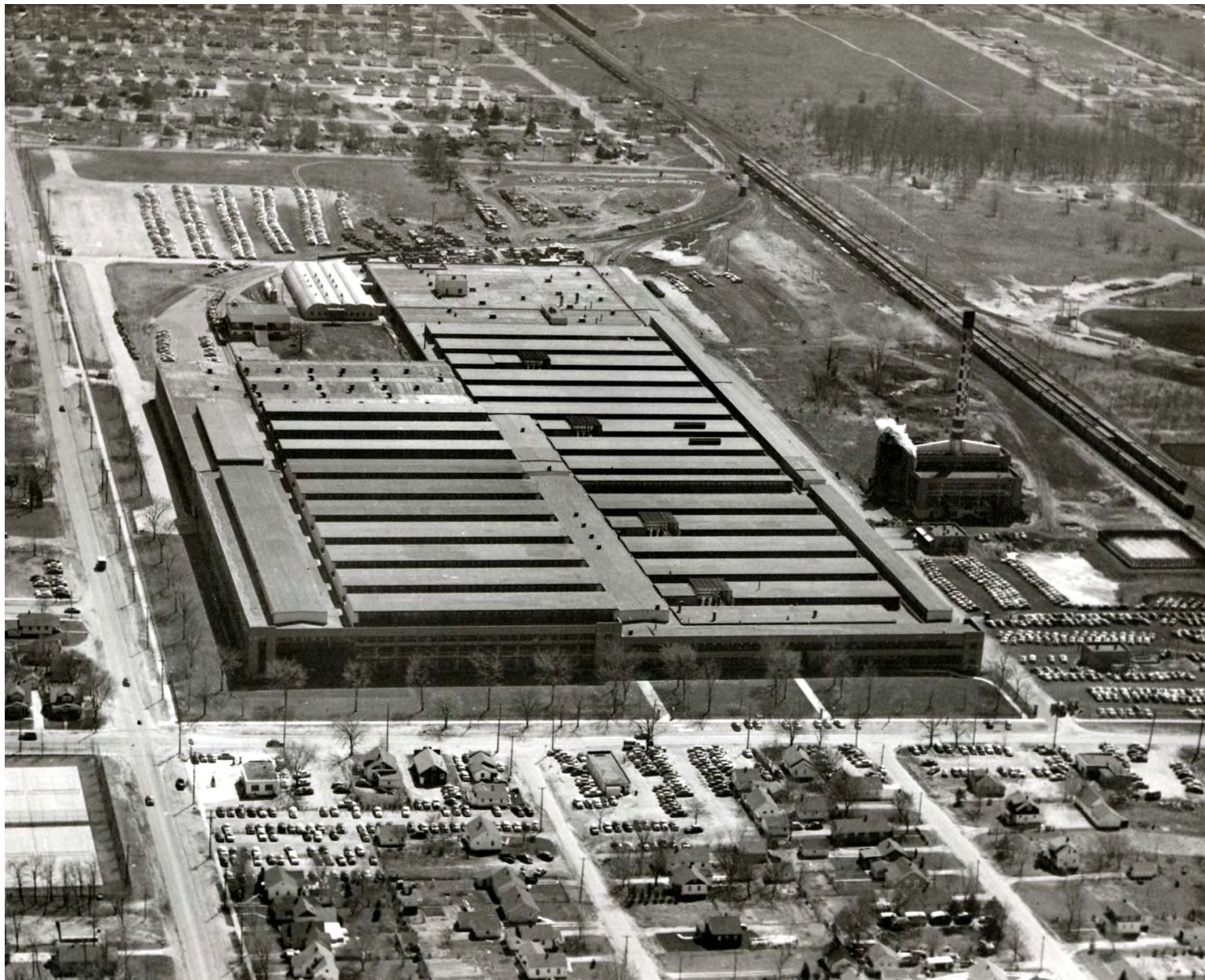
INQUIRY #: 2751676.5

YEAR: 1938

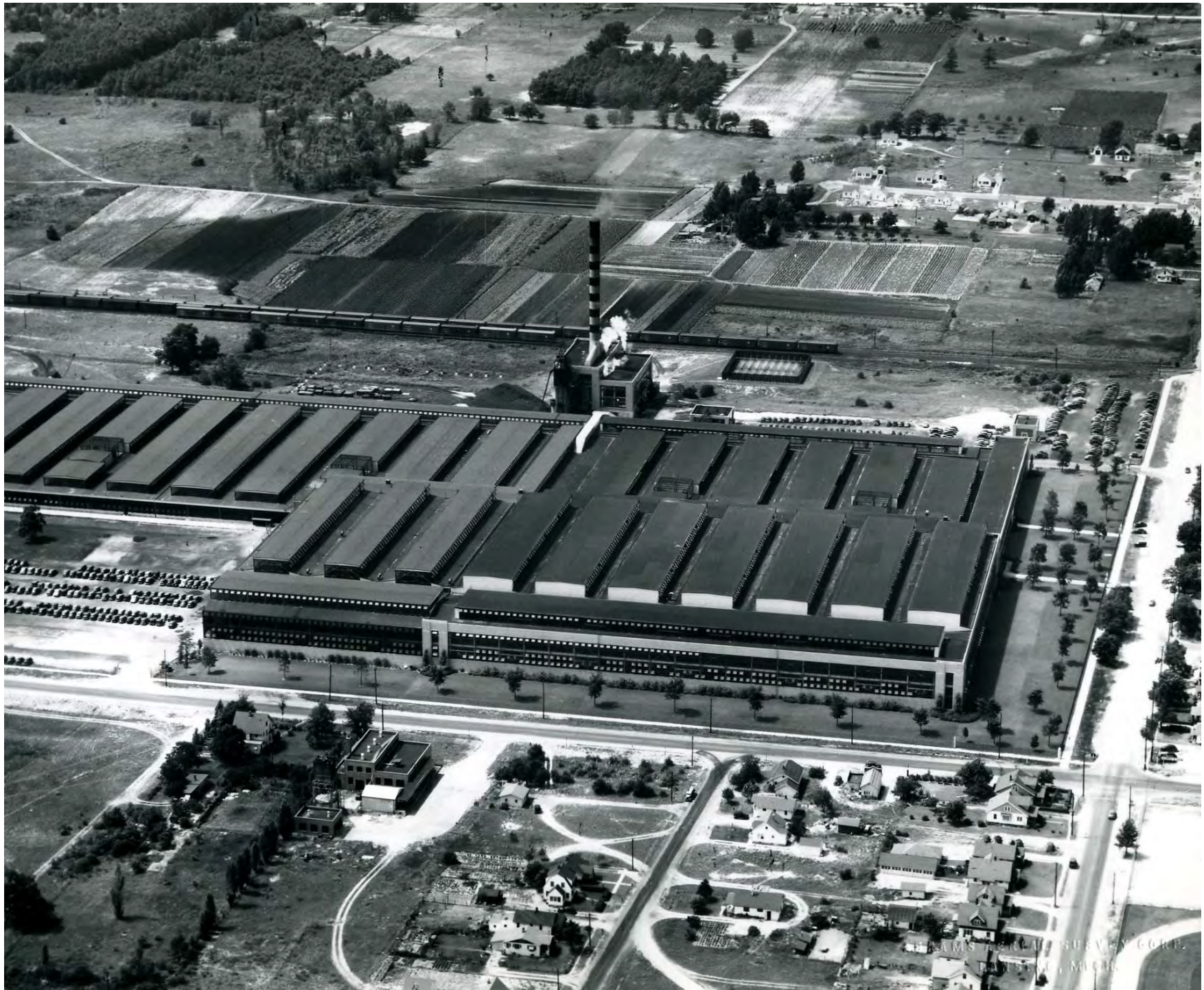
— 500'



APPROXIMATE
SITE BOUNDARY

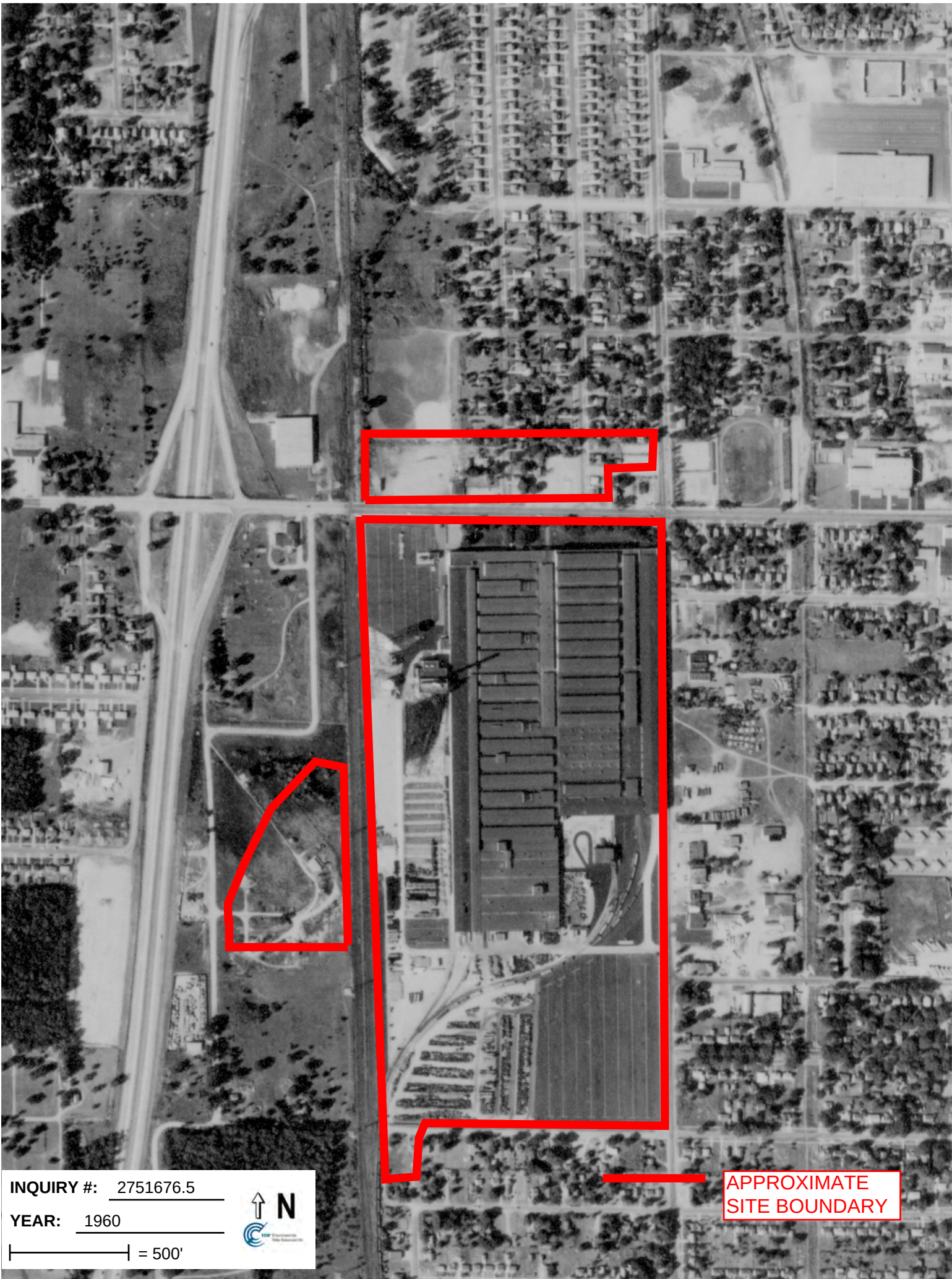








ABRAMS AERIAL SURVEY CORP.
LANSING, MICH.



INQUIRY #: 2751676.5

YEAR: 1960

| = 500'



APPROXIMATE
SITE BOUNDARY



INQUIRY #: 2751676.5

YEAR: 1967

| = 500'



APPROXIMATE
SITE BOUNDARY



INQUIRY #: 2751676.5

YEAR: 1978

| = 600'



APPROXIMATE
SITE BOUNDARY



APPROXIMATE
SITE BOUNDARY

INQUIRY #: 2751676.5

YEAR: 1993

| = 600'





APPROXIMATE
SITE BOUNDARY

INQUIRY #: 2751676.5

YEAR: 1997

| = unknown





INQUIRY #: 2751676.5

YEAR: 2005

| = 604'



APPROXIMATE
SITE BOUNDARY

APPENDIX G

City Directory Search Results

070195 - Wyoming, MI

300 36th Street SW
Wyoming, MI 49548

Inquiry Number: 2751676.6
April 26, 2010

The EDR-City Directory Abstract



Environmental Data Resources Inc

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

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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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.

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>
2009	Polk's City Directory	X	X	X	-
2004	Polk's City Directory	X	X	X	-
1999	Polk's City Directory	X	X	X	-
1995	Polk's City Directory	X	X	X	-
1990	Polk's City Directory	X	X	X	-
1985	Polk's City Directory	X	X	X	-
1980	Polk's City Directory	X	X	X	-
1975	Polk's City Directory	X	X	X	-
1971	Polk's City Directory	X	X	X	-
1966	Polk's City Directory	X	X	X	-
1961	Polk's City Directory	X	X	X	-
1957	Polk's City Directory	X	X	X	-
1953	Polk's City Directory	X	X	X	-
1948	Polk's City Directory	X	X	X	-
1943	Polk's City Directory	-	X	X	-
1938	Polk's City Directory	X	X	X	-
1933	Polk's City Directory	-	X	X	-
1928	Polk's City Directory	-	X	X	-
1923	Polk's City Directory	-	X	X	-
1919	Polk's City Directory	-	X	X	-
1914	Polk's City Directory	-	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

300 36th Street SW
Wyoming, MI 49548

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	American Food & Vending (vending mach.)	Polk's City Directory
	EDS (internet serv.)	Polk's City Directory
	GM Grand Rapids Metal Ctr. (auto stampings)	Polk's City Directory
	IV, Inc. (nonclassified)	Polk's City Directory
	Regional Personnel Workers Com (personal consultants)	Polk's City Directory
2004	UAW-GM Stamping (labor org.)	Polk's City Directory
	EDS (nonclassified)	Polk's City Directory
	General Motors Corp. (auto stampings)	Polk's City Directory
	Regional Personnel Workers Com (personal consultants)	Polk's City Directory
1999	UAW-GM Stamping (labor org.)	Polk's City Directory
	Electronic Data Systems Corp. (data proc.)	Polk's City Directory
	General Motors Corp. (mtr. vhcl. prts. acc.)	Polk's City Directory
	Restaura (eating place)	Polk's City Directory
1995	United Auto Aerospace Agriculture (labor org.)	Polk's City Directory
	Cadillac Luxury Car Division (auto parts mfrs.)	Polk's City Directory
	Chevrolet Pontiac Canada Group Div. General Motors (auto parts mfrs)	Polk's City Directory
	Fisher Body Div. General Motors Mtl. Fab. Plnt. (auto parts mfrs)	Polk's City Directory
1985	Fisher Body Div. General Motors Mtl. Fab. Plnt. (auto parts mfrs)	Polk's City Directory
1980	Fisher Body Div. General Motors Mtl. Fab. Plnt. (auto parts mfrs)	Polk's City Directory
1975	Fisher Body Div. General Motors GR Plant No. 1 (auto parts mfrs)	Polk's City Directory
1971	Fisher Body Div. General Motors GR Plant No. 1 (auto parts mfrs)	Polk's City Directory
1966	Fisher Body Div. General Motors GR Plant No. 1	Polk's City Directory
1961	Fisher Body Div. General Motors GR Plant No. 1	Polk's City Directory
1957	Fisher Body Div. General Motors Corp.	Polk's City Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Fisher Body Div. General Motors Corp.	Polk's City Directory
1948	Fisher Body Div. General Motors Corp.	Polk's City Directory
1938	General Motors Corp. G.R. Stamping Div.	Polk's City Directory

FINDINGS

ADJOINING PROPERTY DETAIL

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

36th Street SW

36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	-No Addresses Listed Between Railroad Crossing & Clay Avenue SW	Polk's City Directory
	-No Other Addresses Listed 200-300 Block 36th Street SW	Polk's City Directory
2004	-No Addresses Listed Between Railroad Crossing & Clay Avenue SW	Polk's City Directory
	-No Other Addresses Listed 200-300 Block 36th Street SW	Polk's City Directory
1999	-No Addresses Listed Between Railroad Crossing & Clay Avenue SW	Polk's City Directory
	-No Other Addresses Listed 200-300 Block 36th Street SW	Polk's City Directory
1995	-No Addresses Listed Between Railroad Crossing & Clay Avenue SW	Polk's City Directory
	-No Other Addresses Listed 200-300 Block 36th Street SW	Polk's City Directory
1990	-No Addresses Listed Between Railroad Crossing & Clay Avenue SW	Polk's City Directory
	-No Other Addresses Listed 200-300 Block 36th Street SW	Polk's City Directory
1985	-No Addresses Listed Between Railroad Crossing & Clay Avenue SW	Polk's City Directory
	-No Other Addresses Listed 200-300 Block 36th Street SW	Polk's City Directory
1980	-No Addresses Listed Between Railroad Crossing & Clay Avenue SW	Polk's City Directory
	-No Other Addresses Listed 200-300 Block 36th Street SW	Polk's City Directory
1975	-No Addresses Listed Between Railroad Crossing & Clay Avenue SW	Polk's City Directory
	-No Other Addresses Listed 200-300 Block 36th Street SW	Polk's City Directory
1971	-No Addresses Listed Between Railroad Crossing & Clay Avenue SW	Polk's City Directory
	-No Other Addresses Listed 200-300 Block 36th Street SW	Polk's City Directory
1966	-No Addresses Listed Between Railroad Crossing & Clay Avenue SW	Polk's City Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	-No Other Addresses Listed 200-300 Block 36th Street SW	Polk's City Directory
1961	-No Addresses Listed Between Railroad Crossing & Clay Avenue SW	Polk's City Directory
1957	-No Other Addresses Listed Between Railroad Crossing & Clay Avenue SW	Polk's City Directory

209 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1953	Residential	Polk's City Directory
1948	Residential	Polk's City Directory

211 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	Stamper's Federal Credit Union	Polk's City Directory
1999	Stamper's Federal Credit Union	Polk's City Directory
1995	Stamper's Federal Credit Union	Polk's City Directory
1990	Stamper's Federal Credit Union	Polk's City Directory
1985	Stamper's Federal Credit Union	Polk's City Directory
1980	Stamper's Federal Credit Union	Polk's City Directory
1975	Stamper's Federal Credit Union	Polk's City Directory
1971	Stamper's Federal Credit Union	Polk's City Directory
1966	Stamper's Federal Credit Union	Polk's City Directory
1961	Stamper's Federal Credit Union	Polk's City Directory
1957	Stamper's Federal Credit Union	Polk's City Directory
1953	UAW-CIO Lcl. 730	Polk's City Directory
1948	UAW-CIO Lcl. 730	Polk's City Directory

229 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Residential	Polk's City Directory
1980	Vacant	Polk's City Directory
1975	Raenell Press (printers)	Polk's City Directory
1971	Raenell Press (printers)	Polk's City Directory
1966	Vacant Store	Polk's City Directory
1961	Gem Restr.	Polk's City Directory
1957	Gem Restr.	Polk's City Directory
1953	Leta Louks (restaurant)	Polk's City Directory
1948	Leta Louks (restaurant)	Polk's City Directory

FINDINGS

236 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Residential	Polk's City Directory

237 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	Vacant	Polk's City Directory
1953	Campbell's Cafeteria	Polk's City Directory

239 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Vacant	Polk's City Directory

241 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Andrew Kacos (restr.)	Polk's City Directory

255 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Residential	Polk's City Directory
1948	Residential	Polk's City Directory

259 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Residential	Polk's City Directory
1948	Residential	Polk's City Directory

263 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Residential	Polk's City Directory
1957	Residential	Polk's City Directory
1948	No Return	Polk's City Directory

333 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	CLCD (parking lot)	Polk's City Directory
1990	CPC Group (parking lot)	Polk's City Directory
1985	Fisher Body (parking lot)	Polk's City Directory
1980	Fisher Body (parking lot)	Polk's City Directory
1975	Fisher Body (parking lot)	Polk's City Directory
1971	Fisher Body (parking lot)	Polk's City Directory
1966	Helmus Garage & Body Shop	Polk's City Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Helmus Garage & Body Shop	Polk's City Directory
1957	Helmus Garage & Body Shop	Polk's City Directory
1953	Helmus Garage & Body Shop	Polk's City Directory
1948	Helmus Garage & Body Shop	Polk's City Directory

415 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	Residential	Polk's City Directory
1953	Residential	Polk's City Directory
1948	Albert G. Hooyer (mkt. gardener)	Polk's City Directory

416 36th Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Residential	Polk's City Directory
1948	Residential	Polk's City Directory

36th Street SW AKA Allen Road SW

205 36th Street SW AKA Allen Road SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1938	Residential	Polk's City Directory
1933	Residential	Polk's City Directory

207 36th Street SW AKA Allen Road SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1938	Residential	Polk's City Directory
1933	Residential	Polk's City Directory

209 36th Street SW AKA Allen Road SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1938	Residential	Polk's City Directory
1933	Residential	Polk's City Directory

229 36th Street SW AKA Allen Road SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1938	Residential	Polk's City Directory
1933	Residential	Polk's City Directory
1928	Residential	Polk's City Directory

FINDINGS

239 36th Street SW AKA Allen Road SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1938	Residential	Polk's City Directory
1933	Residential	Polk's City Directory

241 36th Street SW AKA Allen Road SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1938	Andrew Kacos (restr.)	Polk's City Directory

245 36th Street SW AKA Allen Road SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1928	Residential	Polk's City Directory

255 36th Street SW AKA Allen Road SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1938	Residential	Polk's City Directory
1933	Residential	Polk's City Directory
1928	Residential	Polk's City Directory

259 36th Street SW AKA Allen Road SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1938	Residential	Polk's City Directory
1933	Residential	Polk's City Directory
1928	Residential	Polk's City Directory

263 36th Street SW AKA Allen Road SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1938	Residential	Polk's City Directory
1933	Residential	Polk's City Directory

415 36th Street SW AKA Allen Road SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1938	Residential	Polk's City Directory
1933	Residential	Polk's City Directory

416 36th Street SW AKA Allen Road SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1938	Residential	Polk's City Directory

FINDINGS

Buchanan Avenue SW

Buchanan Avenue SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	-No Addresses Listed Beyond 2700 Block Buchanan Avenue SW	Polk's City Directory
1923	-No Addresses Listed Beyond 2300 Block Buchanan Avenue SW	Polk's City Directory
1919	-No Addresses Listed Beyond 2300 Block Buchanan Avenue SW	Polk's City Directory
1914	-No Addresses Listed Beyond 2300 Block Buchanan Avenue SW	Polk's City Directory

3565 Buchanan Avenue SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Vacant	Polk's City Directory
1975	Lang Service Center (gas station)	Polk's City Directory
1971	Groen's Car Care Center (gas station)	Polk's City Directory
1966	Lang's Service Center (gas station)	Polk's City Directory
1961	Lang's Standard Service (gas station)	Polk's City Directory
1957	Luke's Standard Service (gas station)	Polk's City Directory
1953	Moorhead Standard Service (gas station)	Polk's City Directory

3636 Buchanan Avenue SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	Grand Rapids Solar Control (glass coating & tinting)	Polk's City Directory
	Tint Factory (glass coating & tinting)	Polk's City Directory
2004	All Car Wrecker Svc.	Polk's City Directory
	Tint Factory (glass coating & tinting)	Polk's City Directory
1999	Tint Factory (auto svcs.)	Polk's City Directory
1995	Tint Factory (window tinting)	Polk's City Directory
1980	Jack's Tune-Up Service (auto repairs)	Polk's City Directory
1975	Lang's Carburetor Service (auto repairs)	Polk's City Directory
1971	Lang's Carburetor Service (auto repairs)	Polk's City Directory
	Norm's Auto Service (auto repairs)	Polk's City Directory
1966	Lang's Carburetor Service (auto repairs)	Polk's City Directory
1961	Meyer Hydraulics	Polk's City Directory
1957	Hydraulic Jack Serv. Co. (machy.)	Polk's City Directory
1953	Hydraulic Jack Serv. Co. (machy.)	Polk's City Directory
1948	John Marsman (filling station)	Polk's City Directory
1938	Don's Service Sta. (filling station)	Polk's City Directory

FINDINGS

STREET NOT LISTED IN RESEARCH SOURCE

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

Street Researched

Street Not Listed in Research Source

36th Street SW

1943, 1923, 1919, 1914

36th Street SW AKA Allen
Road SW

1923, 1919, 1914

TARGET PROPERTY: ADDRESS NOT LISTED IN RESEARCH SOURCE

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

Address Researched

Address Not Listed in Research Source

300 36th Street SW

1933, 1928

ADJOINING PROPERTY: ADDRESSES NOT LISTED IN RESEARCH SOURCE

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

Address Researched

Address Not Listed in Research Source

36th Street SW

No Years Found

Buchanan Avenue SW

No Years Found

205 36th Street SW AKA Allen
Road SW

1928

207 36th Street SW AKA Allen
Road SW

1928

209 36th Street SW

No Years Found

209 36th Street SW AKA Allen
Road SW

1928

211 36th Street SW

No Years Found

211 36th Street SW AKA Allen
Road SW

1938, 1933, 1928

229 36th Street SW

No Years Found

229 36th Street SW AKA Allen
Road SW

No Years Found

236 36th Street SW

1948

236 36th Street SW AKA Allen
Road SW

1938, 1933, 1928

237 36th Street SW

1948

FINDINGS

Address Researched

Address Not Listed in Research Source

237 36th Street SW AKA Allen Road SW	1938, 1933, 1928
239 36th Street SW	No Years Found
239 36th Street SW AKA Allen Road SW	1928
241 36th Street SW	No Years Found
241 36th Street SW AKA Allen Road SW	1933, 1928
245 36th Street SW AKA Allen Road SW	No Years Found
255 36th Street SW	No Years Found
255 36th Street SW AKA Allen Road SW	No Years Found
259 36th Street SW	No Years Found
259 36th Street SW AKA Allen Road SW	No Years Found
263 36th Street SW	1953
263 36th Street SW AKA Allen Road SW	1928
333 36th Street SW	No Years Found
333 36th Street SW AKA Allen Road SW	1938, 1933, 1928
3565 Buchanan Avenue SW	1948, 1943, 1938, 1933, 1928, 1923, 1919, 1914
3636 Buchanan Avenue SW	1990, 1985, 1943, 1933, 1928, 1923, 1919, 1914
415 36th Street SW	No Years Found
415 36th Street SW AKA Allen Road SW	1928
416 36th Street SW	No Years Found
416 36th Street SW AKA Allen Road SW	1933, 1928

APPENDIX H

Historical Topographic Maps

070195 - Wyoming, MI

300 36th Street SW

Wyoming, MI 49548

Inquiry Number: 2751676.4

April 21, 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.

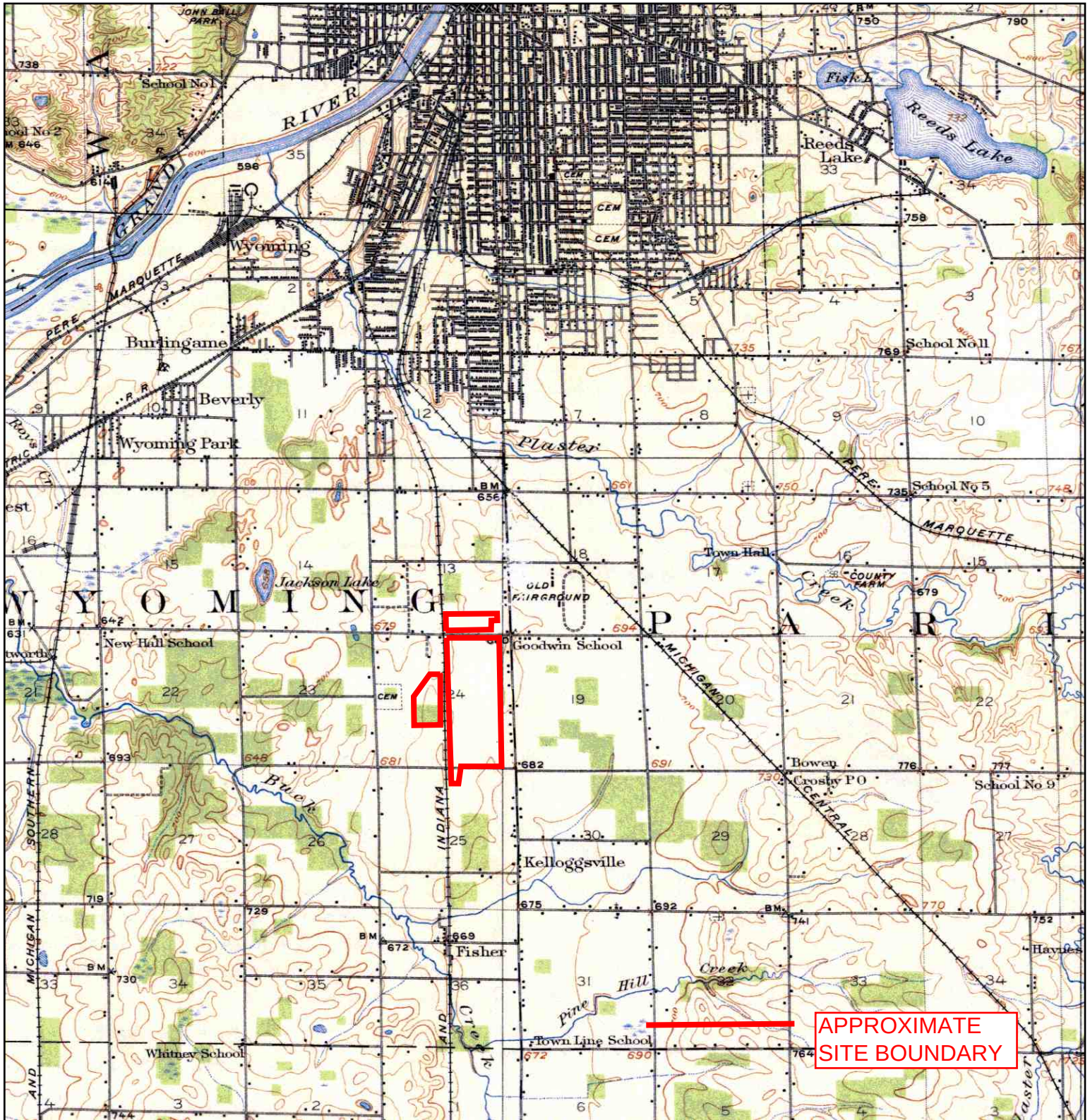
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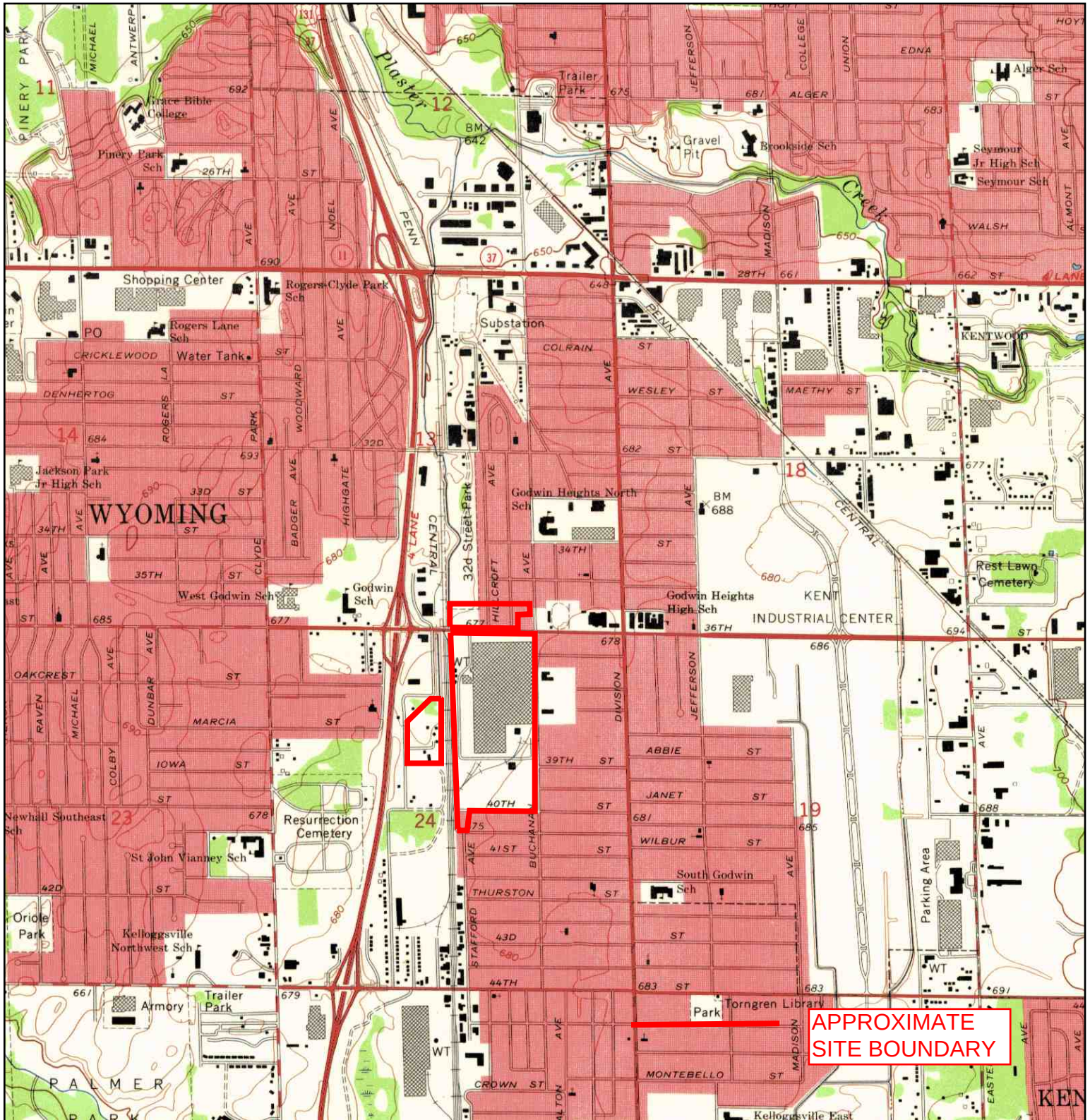
Historical Topographic Map



APPROXIMATE
SITE BOUNDARY

N ↑	TARGET QUAD NAME: GRAND RAPIDS MAP YEAR: 1914 SERIES: 15 SCALE: 1:62500	SITE NAME: 070195 - Wyoming, MI ADDRESS: 300 36th Street SW Wyoming, MI 49548 LAT/LONG: 42.8987 / 85.6733	CLIENT: Conestoga-Rovers & Associates CONTACT: Kelly F. Connolly INQUIRY#: 2751676.4 RESEARCH DATE: 04/21/2010
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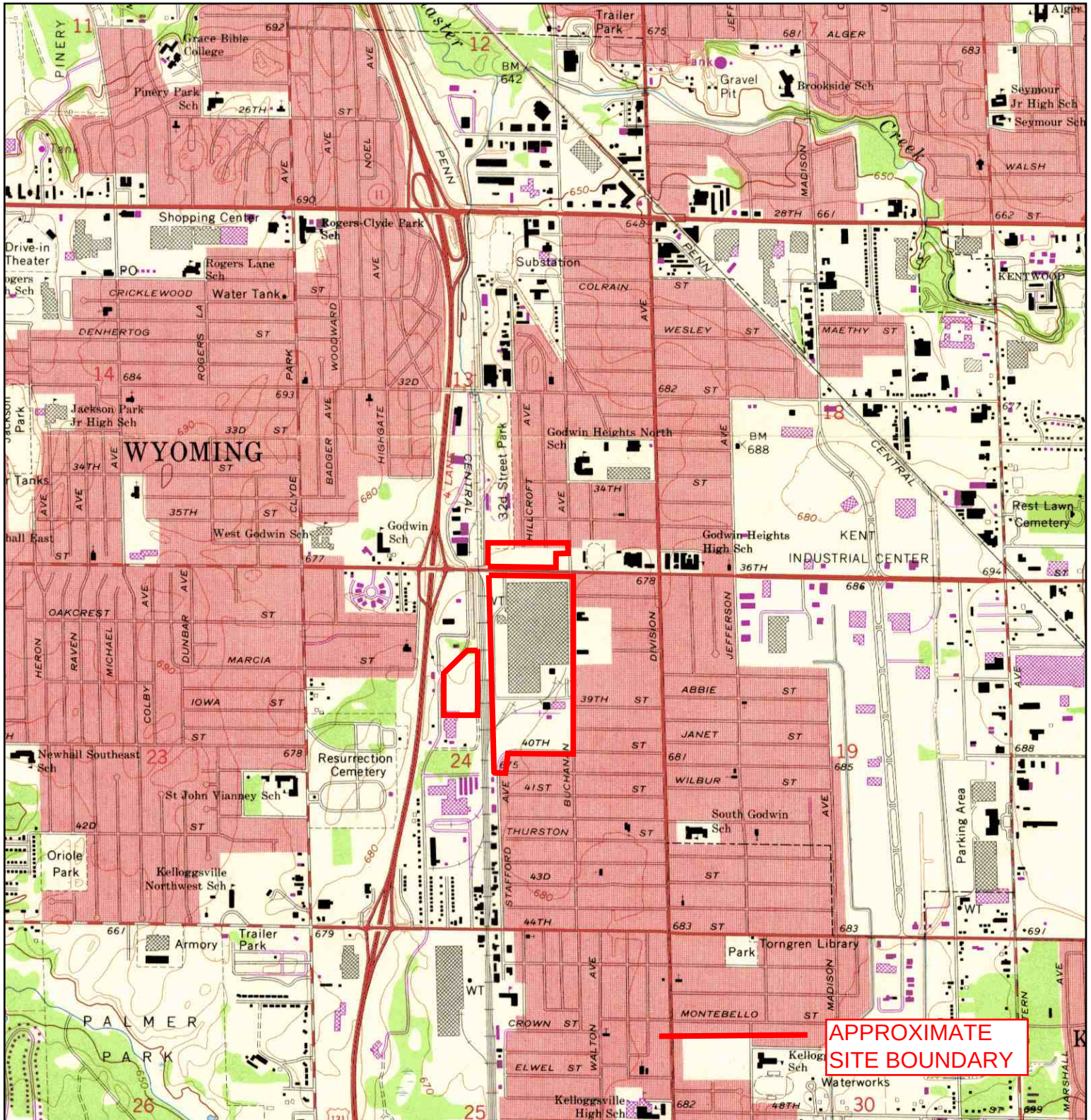
Historical Topographic Map



**APPROXIMATE
SITE BOUNDARY**

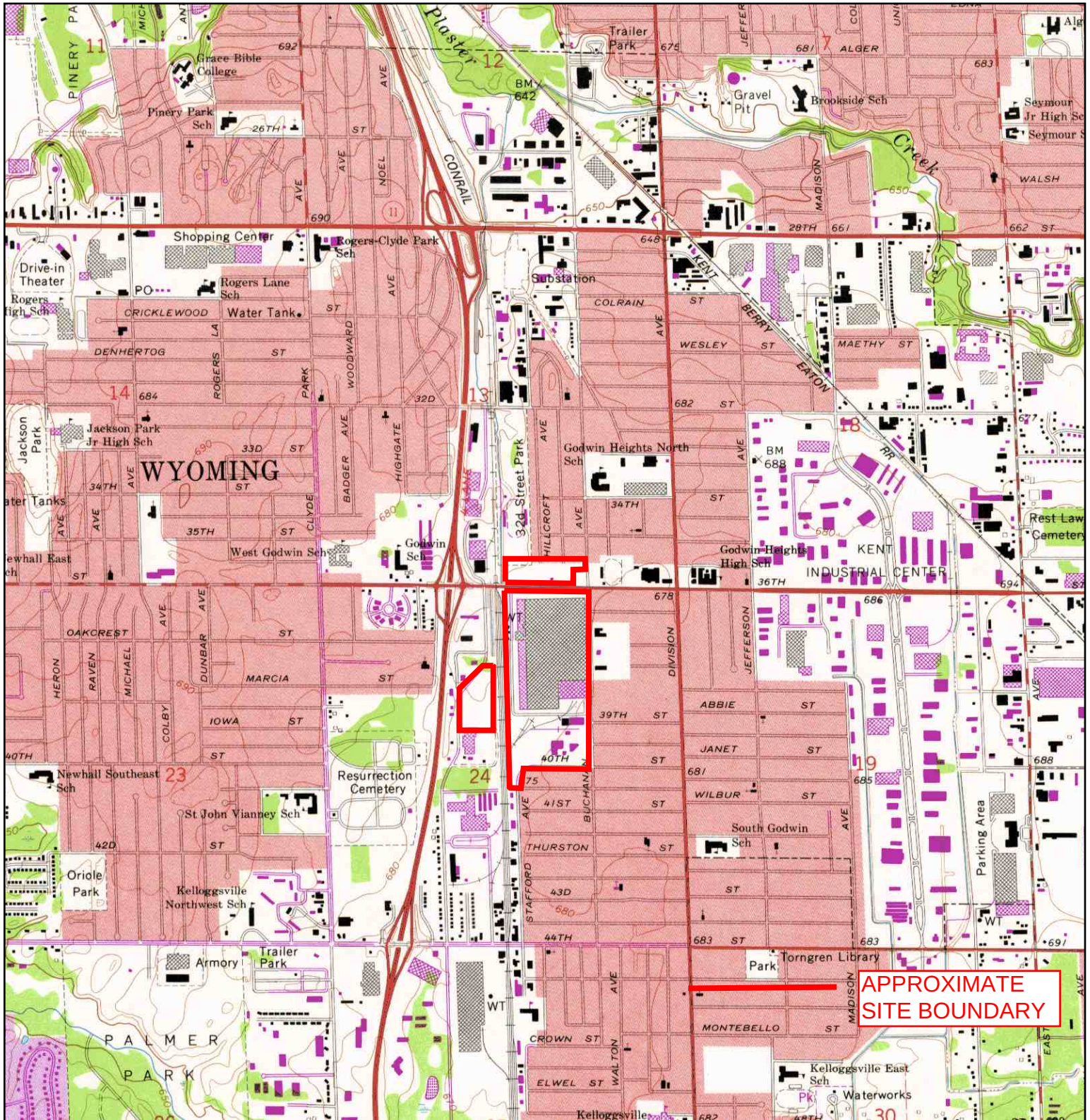
N ↑	TARGET QUAD NAME: GRAND RAPIDS WEST MAP YEAR: 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 070195 - Wyoming, MI ADDRESS: 300 36th Street SW Wyoming, MI 49548 LAT/LONG: 42.8987 / 85.6733	CLIENT: Conestoga-Rovers & Associates CONTACT: Kelly F. Connolly INQUIRY#: 2751676.4 RESEARCH DATE: 04/21/2010
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Historical Topographic Map



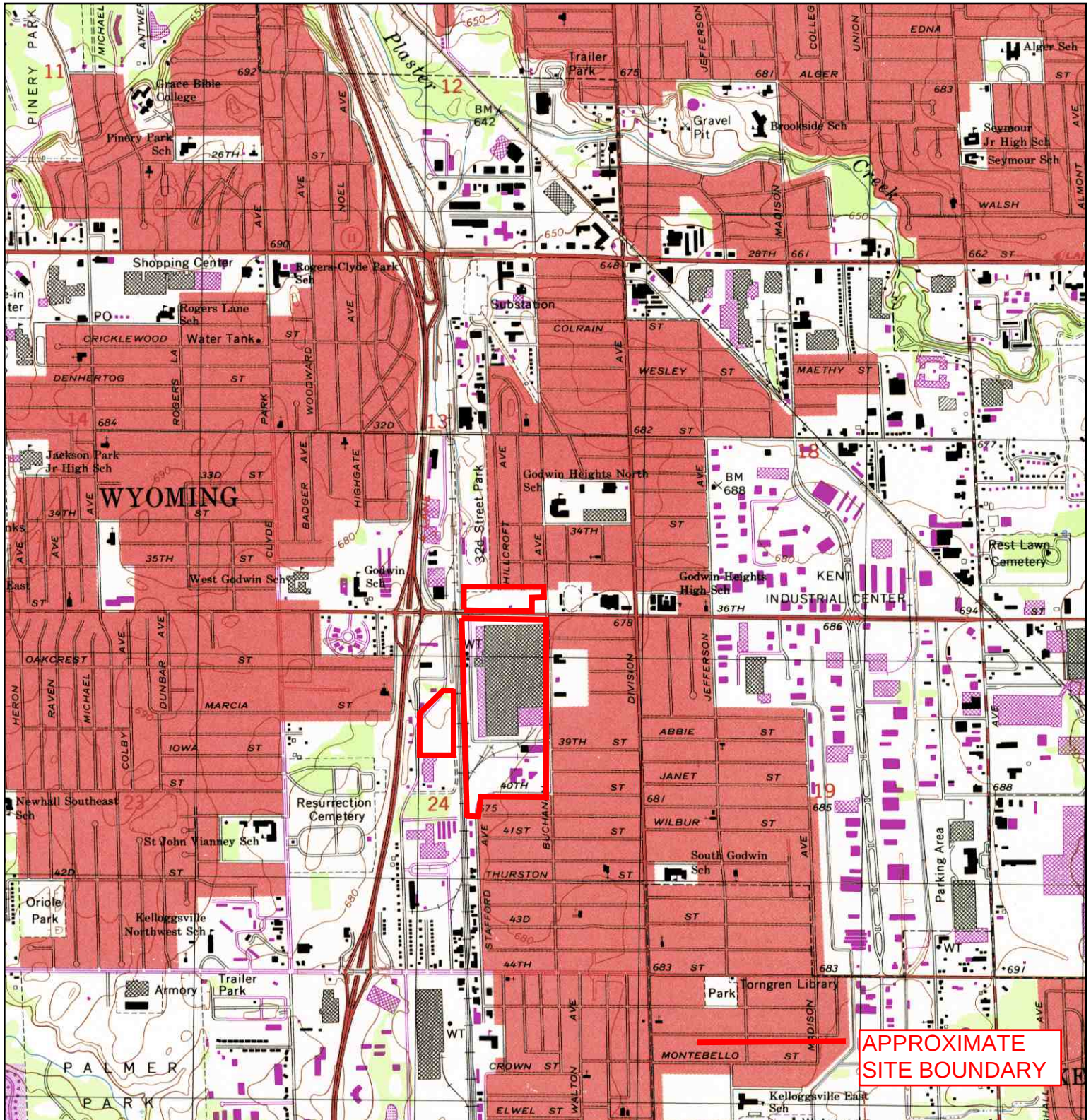
N ↑	TARGET QUAD NAME: GRAND RAPIDS WEST MAP YEAR: 1972 PHOTOREVISED FROM: 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 070195 - Wyoming, MI ADDRESS: 300 36th Street SW Wyoming, MI 49548 LAT/LONG: 42.8987 / 85.6733	CLIENT: Conestoga-Rovers & Associates CONTACT: Kelly F. Connolly INQUIRY#: 2751676.4 RESEARCH DATE: 04/21/2010
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Historical Topographic Map



N ↑	TARGET QUAD NAME: GRAND RAPIDS WEST MAP YEAR: 1981 PHOTOREVISED FROM: 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 070195 - Wyoming, MI ADDRESS: 300 36th Street SW Wyoming, MI 49548 LAT/LONG: 42.8987 / 85.6733	CLIENT: Conestoga-Rovers & Associates CONTACT: Kelly F. Connolly INQUIRY#: 2751676.4 RESEARCH DATE: 04/21/2010
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Historical Topographic Map



**APPROXIMATE
SITE BOUNDARY**

N ↑	TARGET QUAD NAME: GRAND RAPIDS WEST MAP YEAR: 1996 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 070195 - Wyoming, MI ADDRESS: 300 36th Street SW Wyoming, MI 49548 LAT/LONG: 42.8987 / 85.6733	CLIENT: Conestoga-Rovers & Associates CONTACT: Kelly F. Connolly INQUIRY#: 2751676.4 RESEARCH DATE: 04/21/2010
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APPENDIX I

Environmental Database Search Results

070195 - Wyoming, MI

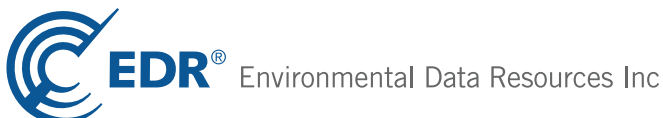
300 36th Street SW

Wyoming, MI 49548

Inquiry Number: 2751676.2s

April 21, 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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Physical Setting Source Summary	A-2
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with any questions or comments.

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

300 36TH STREET SW
WYOMING, MI 49548

COORDINATES

Latitude (North): 42.898700 - 42° 53' 55.3"
Longitude (West): 85.673300 - 85° 40' 23.9"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 608318.4
UTM Y (Meters): 4750204.5
Elevation: 672 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42085-H6 GRAND RAPIDS WEST, MI
Most Recent Revision: 1996

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2005
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
GRAND RAPIDS METAL FABRICATION 300 36TH ST. SW GRAND RAPIDS, MI 49548	SPILLS AIRS	N/A
GENERAL MOTORS GRAND RAPID METAL 300 35TH STREET SW GRAND RAPIDS, MI 49548	UST	N/A
300 36TH STREET 300 36TH STREET GRAND RAPIDS, MI	ERNS	N/A
GM-MFD GROUP 300 36TH STREET SW GRAND RAPIDS, MI 49548	AST	N/A

EXECUTIVE SUMMARY

GMC GRAND RAPIDS METAL CENTER 300 36TH ST. S.W. GRAND RAPIDS, MI 49548	TRIS	49508CPCGR30
GENERAL MOTORS COMPANY 300 36TH ST SW GRAND RAPIDS, MI 49548	RCRA-SQG	MIK467733846
GENERAL MOTORS - CPC METALS 300 36TH ST. SW WYOMING, MI 49509	SHWS Facility Status: Interim Response in progress	N/A
300 36TH STREET 300 36TH STREET GRAND RAPIDS, MI	ERNS	N/A
GENERAL MOTORS CORPORATION 300 36TH STREET SW WYOMING, MI 49548	NPDES	N/A
GENERAL MOTORS CORPORATION 300 36TH STREET GRAND RAPIDS, MI 49548	AIRS	N/A
GENERAL MOTORS CORPORATION 300 36TH ST SW GRAND RAPIDS, MI 49548	RCRA-SQG PADS FINDS MANIFEST	MID006020408

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

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA non-CORRACTS TSD facilities list

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

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

SWF/LF..... Solid Waste Facilities Database

State and tribal leaking storage tank lists

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 voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

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..... Inactive Solid Waste Facilities

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 Listing

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS..... Land Use Control Information System

LIENS..... Lien List

Other Ascertainable Records

DOT OPS..... Incident and Accident Data

EXECUTIVE SUMMARY

DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
UMTRA.....	Uranium Mill Tailings Sites
MINES.....	Mines Master Index File
TSCA.....	Toxic Substances Control Act
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
UIC.....	Underground Injection Wells Database
DRYCLEANERS.....	Drycleaning Establishments
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH.....	Coal Ash Disposal Sites
COAL ASH DOE.....	Sleam-Electric Plan Operation Data
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 03/31/2010 has revealed that there is 1 NPL

EXECUTIVE SUMMARY

site within approximately 1.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEM CENTRAL	2940 STAFFORD AVE SW	N 1/2 - 1 (0.740 mi.)	0	31

Federal CERCLIS list

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

A review of the CERCLIS list, as provided by EDR, and dated 01/29/2010 has revealed that there is 1 CERCLIS site 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>
CHEM CENTRAL	2940 STAFFORD AVE SW	N 1/2 - 1 (0.740 mi.)	0	31

Federal CERCLIS NFRAP site List

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

A review of the CERC-NFRAP list, as provided by EDR, and dated 06/23/2009 has revealed that there are 2 CERC-NFRAP sites within approximately 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>
BENTELER INDUSTRIES	3721 HAGEN DRIVE SOUTHE	E 1/2 - 1 (0.846 mi.)	156	234
ICS MI LLC	4336 HANSEN AVE SW	SSW 1/2 - 1 (0.931 mi.)	AF157	240

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 is 1 CORRACTS site within approximately 1.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BENTELER INDUSTRIES	3721 HAGEN DRIVE SOUTHE	E 1/2 - 1 (0.846 mi.)	156	234

EXECUTIVE SUMMARY

Federal RCRA generators list

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

A review of the RCRA-LQG list, as provided by EDR, and dated 01/13/2010 has revealed that there is 1 RCRA-LQG site within approximately 0.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEMCENTRAL GRAND RAPIDS	2940 STAFFORD AVENUE	N 1/2 - 1 (0.676 mi.)	AC143	200

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 are 3 RCRA-SQG sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RIVERSHORES BUILDING PRODUCTS	3690 JEFFERSON SE	ESE 1/2 - 1 (0.629 mi.)	135	185
COFFMAN ELECTRICAL EQUIPMENT C	3300 JEFFERSON AVE SE	ENE 1/2 - 1 (0.713 mi.)	AD149	223
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CUMMINS BRIDGEWAY LLC	3715 CLAY AVE SW	SW 1/8 - 1/4 (0.207 mi.)	24	55

RCRA-CESQG: 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.

A review of the RCRA-CESQG list, as provided by EDR, and dated 01/13/2010 has revealed that there are 19 RCRA-CESQG sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BUCHANAN AUTO AND TRUCK REPAIR	3720 BUCHANAN AVE SW	SE 1/8 - 1/4 (0.222 mi.)	F27	63
TOERING ELECTRIC	3714 BUCHANAN AVE SW	SE 1/8 - 1/4 (0.223 mi.)	F30	67
FED EX FREIGHT	3740 BUCHANAN AVE SW	SE 1/8 - 1/4 (0.240 mi.)	H57	74
GODWIN HEIGHTS SCHOOLS	111 36TH ST SW	E 1/4 - 1/2 (0.253 mi.)	G69	78
GODWIN HEIGHTS SCHOOLS	50 35TH ST SW	ENE 1/4 - 1/2 (0.329 mi.)	K78	88
CONICAL TOLL CO	3890 BUCHANAN AVE SW	SSE 1/4 - 1/2 (0.403 mi.)	M85	94
GODWIN HEIGHTS BODY SHOP	3622 DIVISION AVE S	E 1/4 - 1/2 (0.414 mi.)	90	103
CLARK OIL CO	3470 S DIVISION AVE	ENE 1/4 - 1/2 (0.433 mi.)	O93	110
AUTO BARN INC	3355 DIVISION AVE S	NE 1/4 - 1/2 (0.498 mi.)	S108	131
CONSUMERS ENERGY CO	4000 CLAY AVE SW	SSW 1/2 - 1 (0.544 mi.)	U116	151

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MR EASY CLEANERS	3887 DIVISION AVE S	SE 1/2 - 1 (0.556 mi.)	V117	154
DAVID DEYOUNG INC	3662 CLYDE PARK AVE SW	W 1/2 - 1 (0.592 mi.)	126	169
UNIVERSAL ELECTRIC COATERS	3059 HILLCROFT AVE SW	N 1/2 - 1 (0.613 mi.)	AA131	178
WIKOFF COLOR CORP	3410 JEFFERSON AVE SE	ENE 1/2 - 1 (0.648 mi.)	136	188
INTERNAL GRINDING ABRASIVE	3011 HILLCROFT AVE	N 1/2 - 1 (0.652 mi.)	AA137	190
SPEEDWAY SUPERAMERICA LLC	3155 S DIVISION	NE 1/2 - 1 (0.667 mi.)	AB141	197
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE SHERWIN WILLIAMS CO	405 36TH ST SE	W 1/8 - 1/4 (0.129 mi.)	B14	39
VITRAN EXPRESS	3773 CLAY AVE SW	SSW 1/4 - 1/2 (0.285 mi.)	I72	81
AMERICAN METAL AND PLASTICS IN	450 32ND ST SW	NNW 1/2 - 1 (0.515 mi.)	T113	142

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 12/20/2009 has revealed that there is 1 US ENG CONTROLS site 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>
CHEM CENTRAL	2940 STAFFORD AVE SW	N 1/2 - 1 (0.740 mi.)	0	31

US INST CONTROL: 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.

A review of the US INST CONTROL list, as provided by EDR, and dated 12/20/2009 has revealed that there is 1 US INST CONTROL site 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>
CHEM CENTRAL	2940 STAFFORD AVE SW	N 1/2 - 1 (0.740 mi.)	0	31

Federal ERNS list

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/2009 has revealed that there are 3 ERNS 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>
3740 BUCHANAN SW	3740 BUCHANAN SW	SE 1/8 - 1/4 (0.240 mi.)	H66	78
3818 BUCHANAN AVENUE	3818 BUCHANAN AVENUE	SSE 1/4 - 1/2 (0.321 mi.)	J76	87
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
357 36TH ST, SE	357 36TH ST, SE	W 0 - 1/8 (0.087 mi.)	B13	38

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites 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. The data come from the Department of Environmental Quality's Contaminated Sites List on Diskette With Address.

A review of the SHWS list, as provided by EDR, and dated 02/01/2010 has revealed that there are 6 SHWS sites within approximately 1.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
3887 S. DIVISION AVE Facility Status: Inactive - no actions taken to address contamination	3887 S. DIVISION	SE 1/2 - 1 (0.562 mi.)	V118	156
DWAR OIL CO Facility Status: See Leaking Underground Storage Tank Site Database	3910 DIVISION AVE S	SE 1/2 - 1 (0.580 mi.)	V122	163
GRANTEX INC. Facility Status: Interim Response in progress	3560 JEFFERSON AVE S.E.	E 1/2 - 1 (0.613 mi.)	Z130	178
3011 HILLCROFT SW Facility Status: Inactive - no actions taken to address contamination	3011 HILLCROFT SW	N 1/2 - 1 (0.652 mi.)	AA138	192
BELFER DRUM AND BARREL Facility Status: Interim Response in progress	4336 HANSEN AVENUE	SSW 1/2 - 1 (0.931 mi.)	AF158	245

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEM CENTRAL Facility Status: Interim Response in progress	2940 STAFFORD AVENUE SW	N 1/2 - 1 (0.676 mi.)	AC144	209

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 Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the LUST list, as provided by EDR, and dated 03/29/2010 has revealed that there are 22 LUST 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>
TIMMERS SERVICE CENTER Facility Status: Open	3600 DIVISION AVE S	E 1/4 - 1/2 (0.404 mi.)	N87	96
RITE AID #1823 Facility Status: Open	3617 DIVISION AVE S	E 1/4 - 1/2 (0.408 mi.)	N89	101
VALUE MKT EXPRESS #0476 Facility Status: Open Facility Status: Open	3470 DIVISION AVE	ENE 1/4 - 1/2 (0.433 mi.)	O92	107
GODWIN PLUMBING INC Facility Status: Closed	3703 DIVISION AVE S	ESE 1/4 - 1/2 (0.440 mi.)	P96	115
GODWIN HEIGHTS Facility Status: Open	3712 S DIVISION	ESE 1/4 - 1/2 (0.446 mi.)	P98	118
FOX MOTOR GROUP LLC DBA FOX SA Facility Status: Open	3340 DIVISION AVE S	NE 1/2 - 1 (0.503 mi.)	S109	133

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SPEEDWAY #3571 Facility Status: Closed	3315 DIVISION AVE S	NE 1/2 - 1 (0.524 mi.)	114	144
GRAND RAPIDS SERVICE CENTER Facility Status: Closed Facility Status: Closed <i>*Additional key fields are available in the Map Findings section</i>	4000 CLAY AVE	SSW 1/2 - 1 (0.544 mi.)	U115	147
ETNA SUPPLY CO Facility Status: Closed	529 32ND ST	NNW 1/2 - 1 (0.573 mi.)	W119	157
DWAR OIL CO Facility Status: Open	3910 DIVISION AVE S	SE 1/2 - 1 (0.580 mi.)	V121	160
SDP CORP Facility Status: Closed	3600 CLYDE PARK AVE SW	W 1/2 - 1 (0.591 mi.)	X125	165
ADMIRAL PETROLEUM #23 Facility Status: Open	3221 S DIVISION	NE 1/2 - 1 (0.600 mi.)	Y127	171
CVS CLYDE PARK INC/MICHIGAN CO Facility Status: Open Facility Status: Open	3601 CLYDE PARK AVE SW	W 1/2 - 1 (0.600 mi.)	X129	176
NORTHTOWN CENTER Facility Status: Closed	3540 JEFFERSON AVE SE	E 1/2 - 1 (0.613 mi.)	Z132	180
SPEEDWAY #6275 Facility Status: Closed	3155 S DIVISION	NE 1/2 - 1 (0.667 mi.)	AB140	194
HOBART SALES & SERVICE Facility Status: Closed	4064 DIVISION AVE S	SE 1/2 - 1 (0.740 mi.)	AE152	227
PONY EXPRESS COURIER CORP Facility Status: Open	4130 S DIVISION	SSE 1/2 - 1 (0.817 mi.)	154	231
PKG CORP OF AMERICA Facility Status: Closed	200 COLRAIN SW	N 1/2 - 1 (0.834 mi.)	155	232
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RYDER TRANSPORTATION SERV #262 Facility Status: Closed Facility Status: Closed <i>*Additional key fields are available in the Map Findings section</i>	3663 CLAY AVE SW	WSW 1/8 - 1/4 (0.157 mi.)	E21	50
VITRAN EXPRESS Facility Status: Closed	3773 CLAY AVE SW	SSW 1/4 - 1/2 (0.285 mi.)	I72	81
MANSO/LAKESHORE Facility Status: Closed	2851 BUCHANAN AVE SW	N 1/2 - 1 (0.932 mi.)	159	245
ERB LUMBER CO INC Facility Status: Closed	2850 DIVISION AVE S	NNE 1/2 - 1 (0.988 mi.)	160	247

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the UST list, as provided by EDR, and dated 03/29/2010 has revealed that there are 31 UST sites within approximately 0.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOEKSTRA TRUCK EQUIPMENT CO IN	260 36TH ST SE	E 0 - 1/8 (0.060 mi.)	12	38
AMOCO OIL CO	3565 BUCHANAN NW & 36TH	ENE 1/8 - 1/4 (0.155 mi.)	D18	43
HARTWICK WELDING SUPPLY	3700 BUCHANAN AVE SW	SE 1/8 - 1/4 (0.204 mi.)	F23	55
36TH STREET AMOCO FOOD SHOP	150 36TH STREEET SW	E 1/8 - 1/4 (0.207 mi.)	G25	58
FED EX FREIGHT	3740 BUCHANAN AVE SW	SE 1/8 - 1/4 (0.240 mi.)	H57	74
GRAND RAPIDS COMMERCIAL HEAT	3832 BUCHANAN AVE SW	SSE 1/4 - 1/2 (0.337 mi.)	J79	90
COMMERCIAL HEAT TREATING CO	3840 BUCHANAN SW	SSE 1/4 - 1/2 (0.346 mi.)	J81	91
TIMMERS SERVICE CENTER	3600 DIVISION AVE S	E 1/4 - 1/2 (0.404 mi.)	N87	96
RITE AID #1823	3617 DIVISION AVE S	E 1/4 - 1/2 (0.408 mi.)	N89	101
VALUE MKT EXPRESS #0476	3470 DIVISION AVE	ENE 1/4 - 1/2 (0.433 mi.)	O92	107
GODWIN PLUMBING INC	3703 DIVISION AVE S	ESE 1/4 - 1/2 (0.440 mi.)	P96	115
FOX MOTOR GROUP LLC DBA FOX SA	3340 DIVISION AVE S	NE 1/2 - 1 (0.503 mi.)	S109	133
SPEEDWAY #3571	3315 DIVISION AVE S	NE 1/2 - 1 (0.524 mi.)	114	144
GRAND RAPIDS SERVICE CENTER	4000 CLAY AVE	SSW 1/2 - 1 (0.544 mi.)	U115	147
ETNA SUPPLY CO	529 32ND ST	NNW 1/2 - 1 (0.573 mi.)	W119	157
DWAR OIL CO	3910 DIVISION AVE S	SE 1/2 - 1 (0.580 mi.)	V121	160
SDP CORP	3600 CLYDE PARK AVE SW	W 1/2 - 1 (0.591 mi.)	X125	165
ADMIRAL PETROLEUM #23	3221 S DIVISION	NE 1/2 - 1 (0.600 mi.)	Y127	171
CVS CLYDE PARK INC/MICHIGAN CO	3601 CLYDE PARK AVE SW	W 1/2 - 1 (0.600 mi.)	X129	176
NORTHTOWN CENTER	3540 JEFFERSON AVE SE	E 1/2 - 1 (0.613 mi.)	Z132	180
TOWN CLUB PLANT	3650 JEFFERSON AVE SE	E 1/2 - 1 (0.620 mi.)	133	181
FORMER NORTHERN LIGHT PROPERTY	3158 DIVISION AVE S	NE 1/2 - 1 (0.663 mi.)	AB139	193
SPEEDWAY #6275	3155 S DIVISION	NE 1/2 - 1 (0.667 mi.)	AB140	194
C.D. FORTUIN	3130 S DIVISION	NE 1/2 - 1 (0.684 mi.)	AB146	220
LARKO CHEMICAL CO	2954 HILLCROFT SW	N 1/2 - 1 (0.696 mi.)	148	222
INTERSTATE BRANDS CORP	3230 JEFFERSON AVE SE	NE 1/2 - 1 (0.735 mi.)	AD151	226
HOBART SALES & SERVICE	4064 DIVISION AVE S	SE 1/2 - 1 (0.740 mi.)	AE152	227
Lower Elevation	Address	Direction / Distance	Map ID	Page
RYDER TRANSPORTATION SERV #262	3663 CLAY AVE SW	WSW 1/8 - 1/4 (0.157 mi.)	E19	45
VITRAN EXPRESS	3773 CLAY AVE SW	SSW 1/4 - 1/2 (0.285 mi.)	I72	81
MODERN MOLDS, INC	3831 CLAY AVE	SW 1/4 - 1/2 (0.364 mi.)	82	92
METAL SOURCE	440 32ND ST SW	N 1/2 - 1 (0.512 mi.)	T112	140

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Natural Resources' Michigan AST database.

A review of the AST list, as provided by EDR, and dated 02/05/2010 has revealed that there are 5 AST sites within approximately 0.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIRGAS GREAT LAKES	3700 BUCHANAN SW	SE 1/8 - 1/4 (0.204 mi.)	F22	51
PRO-GAS SALES & SERVICE CO	601 36TH ST SW	W 1/4 - 1/2 (0.385 mi.)	L83	93
CRYSTAL FLASH ENERGY	3449 DIVISION AVE S	ENE 1/4 - 1/2 (0.443 mi.)	O97	116

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
INERGY PROPANE LLC (DBA) PROGA	4044 DIVISION AVE S	SE 1/2 - 1 (0.716 mi.)	AE150	225

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNIVAR USA	2940 STAFFORD AVE	N 1/2 - 1 (0.676 mi.)	AC145	209

State and tribal institutional control / engineering control registries

AUL: A listing of sites with institutional and/or engineering controls in place.

A review of the AUL list, as provided by EDR, and dated 03/26/2010 has revealed that there is 1 AUL site 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>
THRIFTY PETROLEUM - CLYDE PARK	3600 CLYDE PARK AVE., S	W 1/2 - 1 (0.591 mi.)	X124	164

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database.

A review of the BROWNFIELDS list, as provided by EDR, and dated 02/12/2010 has revealed that there are 2 BROWNFIELDS 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>
DWAR OIL CO.	3910 DIVISION AVE S	SE 1/2 - 1 (0.580 mi.)	V123	164
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEM CENTRAL	2940 STAFFORD AVE SW	N 1/2 - 1 (0.676 mi.)	AC142	199

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

DEL SHWS: Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does support it's listing or the site no longer meets criteria specified in rules.

A review of the DEL SHWS list, as provided by EDR, and dated 02/04/2010 has revealed that there are 4 DEL SHWS sites within approximately 1.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
1021 28TH STREET SW 3664 EASTERN AVE. SE	1021 28TH STREET SW 3664 EASTERN AVE. SE	NW 1 - 2 (1.361 mi.) E 1 - 2 (1.383 mi.)	163 164	249 249
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAPID PATTERN & PLASTICS INC	2935 MADISON SE	NE 1 - 2 (1.141 mi.)	161	248

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
2610 BUCHANAN AVENUE SW	2610 BUCHANAN AVENUE SWN 1 - 2 (1.231 mi.)		162	249

Records of Emergency Release Reports

HMIRS: The Hazardous Materials Incident Report System contains hazardous material spill incidents reported to the Department of Transportation. The source of this database is the U.S. EPA.

A review of the HMIRS list, as provided by EDR, and dated 12/31/2009 has revealed that there are 38 HMIRS 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>
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H31	69
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H32	69
Not reported	3740 BUCHANAN SW	SE 1/8 - 1/4 (0.240 mi.)	H33	70
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H34	70
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H35	70
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H36	70
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H37	70
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H38	70
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H39	71
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H40	71
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H41	71
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H42	71
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H43	71
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H44	71
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H45	72
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H46	72
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H47	72
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H48	72
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H49	72
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H50	72
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H51	73
3740 BUCHANAN SOUTHWEST	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H52	73
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H53	73
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H54	73
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H55	73
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H56	73
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H58	77
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H59	77
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H60	77
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H61	77
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H62	77
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H63	77
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H64	78
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H65	78
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H67	78
Not reported	3740 BUCHANAN SOUTHWEST	SE 1/8 - 1/4 (0.240 mi.)	H68	78

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
3773 CLAY AVE SW	3773 CLAY AVE SW	SSW 1/4 - 1/2 (0.285 mi.)	I71	81
3773 CLAY AVE SW	3773 CLAY AVE SW	SSW 1/4 - 1/2 (0.285 mi.)	I73	85

EXECUTIVE SUMMARY

SPILLS: Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

A review of the SPILLS list, as provided by EDR, and dated 12/08/2009 has revealed that there are 3 SPILLS 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>
OFFICER: RON WALTERS	INTERSECTION OF 36TH /	E 1/8 - 1/4 (0.153 mi.)	D17	43
Not reported	3603 SOUTH DIVISION	E 1/4 - 1/2 (0.404 mi.)	N86	96
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	3663 CLAY AVE. SW, GRAN	WSW 1/8 - 1/4 (0.157 mi.)	E20	50

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 are 20 RCRA-NonGen sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMOCO OIL CO	150 36TH ST SW	E 1/8 - 1/4 (0.207 mi.)	G26	61
TOTAL TRANSPORTATION SERVICE I	3720 BUCHANAN AVE SW	SE 1/8 - 1/4 (0.222 mi.)	F28	65
WYOMING SELF STORAGE	533 36TH ST SW	W 1/4 - 1/2 (0.316 mi.)	75	85
ENAMELITE INDUSTRIES INC	3610 DIVISION AVE S	E 1/4 - 1/2 (0.405 mi.)	N88	97
TRAVIS TRUCK & AUTO COLLISION	148 39TH ST SW	SSE 1/4 - 1/2 (0.434 mi.)	M94	113
B AND R AUTOMOTIVE CENTER INC	3712 DIVISION AVE S	ESE 1/4 - 1/2 (0.446 mi.)	P99	119
NAPA AUTO PARTS	3746 DIVISION AVE S	ESE 1/4 - 1/2 (0.446 mi.)	P100	121
MORALES AUTO BODY	100 39TH ST SW	SE 1/4 - 1/2 (0.460 mi.)	101	123
SUN PLASTIC COATING CO	3000 HILLCROFT AVE SW	N 1/4 - 1/2 (0.466 mi.)	Q102	124
RYDER TRUCK RENTAL	3663 CLAY AVE SW	SSW 1/4 - 1/2 (0.479 mi.)	R103	126
EMCO MILLWORK INC	3117 HILLCROFT AVE SW	N 1/4 - 1/2 (0.480 mi.)	Q105	128
FOX MOTOR GROUP LLC DBA FOX SA	3340 DIVISION AVE S	NE 1/2 - 1 (0.503 mi.)	S109	133
PILGRIM CLEANERS	725 36TH ST SW	W 1/2 - 1 (0.507 mi.)	110	137
JIM WILLIAMS MOTEL	3821 DIVISION AVE S	SE 1/2 - 1 (0.511 mi.)	111	139
M & E MANUFACTURING INC	530 32ND ST SE	NNW 1/2 - 1 (0.576 mi.)	W120	158
ACTION AUTO STORE	3221 DIVISION AVE S	NE 1/2 - 1 (0.600 mi.)	Y128	174
GRANTEX INC	3560 JEFFERSON AVE SE	ENE 1/2 - 1 (0.624 mi.)	134	182
THE SHERWIN WILLIAMS CO	3380 JEFFERSON AVE SE	ENE 1/2 - 1 (0.684 mi.)	147	220
GUARDMANS CHEMICAL CO INC	3503 LOUSMA DR SE	E 1/2 - 1 (0.748 mi.)	153	228
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CREATIVE SOLUTIONS PLUS INC	425 36TH ST SE	W 1/8 - 1/4 (0.141 mi.)	C16	41

EXECUTIVE SUMMARY

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 12/01/2009 has revealed that there is 1 ROD site within approximately 1.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEM CENTRAL	2940 STAFFORD AVE SW	N 1/2 - 1 (0.740 mi.)	0	31

FTTS: 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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

A review of the FTTS list, as provided by EDR, and dated 04/09/2009 has revealed that there is 1 FTTS site 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>
FOXCROFT APARTMENTS	636 36 N STREET	W 1/4 - 1/2 (0.419 mi.)	L91	107

HIST FTTS: 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.

A review of the HIST FTTS list, as provided by EDR, and dated 10/19/2006 has revealed that there is 1 HIST FTTS site 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>
FOXCROFT APARTMENTS	636 36 N STREET	W 1/4 - 1/2 (0.419 mi.)	L91	107

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 10/19/2009 has revealed that there are 26 FINDS 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>
AMOCO OIL CO	150 36TH ST SW	E 1/8 - 1/4 (0.207 mi.)	G26	61
BUCHANAN AUTO AND TRUCK REPAIR	3720 BUCHANAN AVE SW	SE 1/8 - 1/4 (0.222 mi.)	F27	63
TOTAL TRANSPORTATION SERVICE I	3720 BUCHANAN AVE SW	SE 1/8 - 1/4 (0.222 mi.)	F28	65
TOERING ELECTRIC	3714 BUCHANAN AVE SW	SE 1/8 - 1/4 (0.223 mi.)	F29	67
FED EX FREIGHT	3740 BUCHANAN AVE SW	SE 1/8 - 1/4 (0.240 mi.)	H57	74
GODWIN HEIGHTS SCHOOLS	111 36TH ST SW	E 1/4 - 1/2 (0.253 mi.)	G70	80

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NORTH GODWIN ELEMENTARY SCHOOL	161 34TH STREET SW	NE 1/4 - 1/2 (0.300 mi.)	74	85
WYOMING SELF STORAGE	533 36TH ST SW	W 1/4 - 1/2 (0.316 mi.)	75	85
GODWIN HEIGHTS SENIOR HIGH SCH	50 35TH STREET SW	ENE 1/4 - 1/2 (0.329 mi.)	K77	88
CONICAL TOLL CO	3890 BUCHANAN AVE SW	SSE 1/4 - 1/2 (0.403 mi.)	M85	94
ENAMELITE INDUSTRIES INC	3610 DIVISION AVE S	E 1/4 - 1/2 (0.405 mi.)	N88	97
GODWIN HEIGHTS BODY SHOP	3622 DIVISION AVE S	E 1/4 - 1/2 (0.414 mi.)	90	103
FOXCROFT APARTMENTS	636 36 N STREET	W 1/4 - 1/2 (0.419 mi.)	L91	107
CLARK OIL CO	3470 S DIVISION AVE	ENE 1/4 - 1/2 (0.433 mi.)	O93	110
TRAVIS TRUCK & AUTO COLLISION	148 39TH ST SW	SSE 1/4 - 1/2 (0.434 mi.)	M94	113
B AND R AUTOMOTIVE CENTER INC	3712 DIVISION AVE S	ESE 1/4 - 1/2 (0.446 mi.)	P99	119
NAPA AUTO PARTS	3746 DIVISION AVE S	ESE 1/4 - 1/2 (0.446 mi.)	P100	121
MORALES AUTO BODY	100 39TH ST SW	SE 1/4 - 1/2 (0.460 mi.)	101	123
SUN PLASTIC COATING CO	3000 HILLCROFT AVE SW	N 1/4 - 1/2 (0.466 mi.)	Q102	124
RYDER TRUCK RENTAL	3663 CLAY AVE SW	SSW 1/4 - 1/2 (0.479 mi.)	R103	126
EMCO MILLWORK INC	3117 HILLCROFT AVE SW	N 1/4 - 1/2 (0.480 mi.)	Q105	128
AUTO BARN INC	3355 DIVISION AVE S	NE 1/4 - 1/2 (0.498 mi.)	S107	131
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE SHERWIN WILLIAMS CO	405 36TH ST SE	W 1/8 - 1/4 (0.129 mi.)	B14	39
CREATIVE SOLUTIONS PLUS INC	425 36TH ST SE	W 1/8 - 1/4 (0.141 mi.)	C15	41
CUMMINS BRIDGEWAY LLC	3715 CLAY AVE SW	SW 1/8 - 1/4 (0.207 mi.)	24	55
VITRAN EXPRESS	3773 CLAY AVE SW	SSW 1/4 - 1/2 (0.285 mi.)	I72	81

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 03/01/2010 has revealed that there are 5 BEA sites within approximately 0.5 miles of the target property.

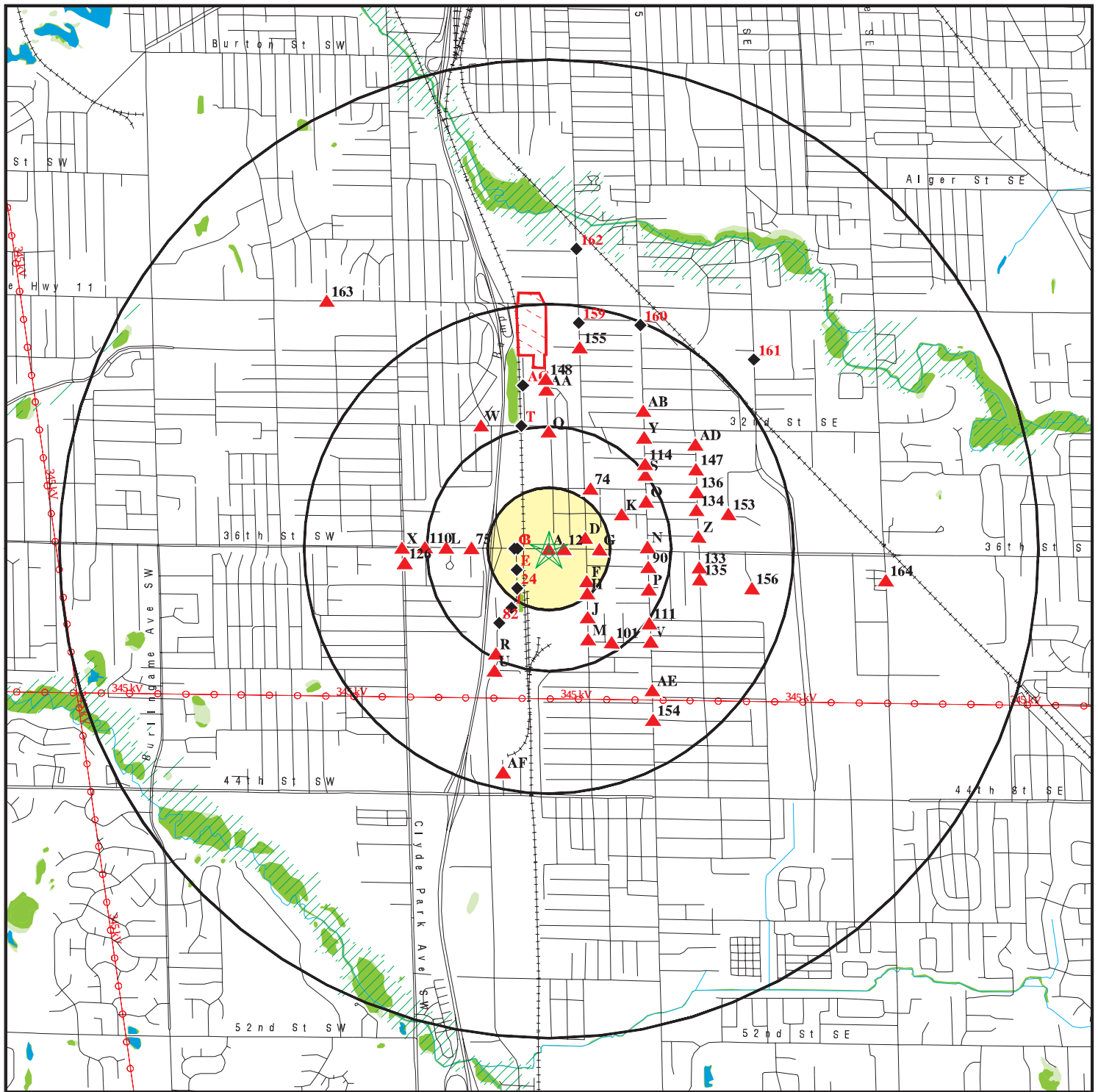
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
3832 BUCHANAN AVE.	3832 BUCHANAN AVE.	SSE 1/4 - 1/2 (0.337 mi.)	J80	91
CONICAL TOOL COMPANY	3890 BUCHANAN AVENUE SW	SSE 1/4 - 1/2 (0.403 mi.)	M84	93
3462 SOUTH DIVISION AVENUE	3462 SOUTH DIVISION AVE	ENE 1/4 - 1/2 (0.436 mi.)	O95	115
3940 CLAY AVENUE SW	3940 CLAY AVENUE SW	SSW 1/4 - 1/2 (0.479 mi.)	R104	128
3364 SOUTH DIVISION AVENUE	3364 SOUTH DIVISION AVE	NE 1/4 - 1/2 (0.491 mi.)	S106	131

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
CADILLAC PLASTIC & CHEMICAL CO	FTTS,FINDS,HIST FTTS INSP
WYOMING PUBLIC SCHOOLS	FTTS
WYOMING PUBLIC SCHOOLS	HIST FTTS INSP
PARKER MOTOR FREIGHT	LUST,UST
MI DEPT/ENVIRONMENTAL QUALITY	RCRA-NLR
MIDWAY ENTERPRISES INC	RCRA-NLR
FASTENERS INC	RCRA-CESQG
FLOYDS ELECTRIC SERVICE	FINDS,RCRA-CESQG
GRAND AUTO SALES AND LEASING	FINDS,RCRA-CESQG
CHRISTIAN MUSIC CTR	FINDS,RCRA-CESQG
HANKS TIRE & AUTO REPAIR LLC	RCRA-CESQG
MI DEPT/TRANSPORTATION	RCRA-CESQG
ADVANCE AUTO PARTS	RCRA-CESQG
SDP CORP	RCRA-CESQG
MCGRAW TIRE CO	RCRA-CESQG
PARIS MOTORS	FINDS,RCRA-CESQG
SPEEDWAY SUPERAMERICA LLC	RCRA-CESQG
MI DEPT/TRANSPORTATION	RCRA-CESQG
MI DEPT/TRANSPORTATION	FINDS
WYOMING	FINDS

OVERVIEW MAP - 2751676.2s



★ 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

⚡ Power transmission lines

⚡ Oil & Gas pipelines

🌊 100-year flood zone

🌊 500-year flood zone

🌿 National Wetland Inventory

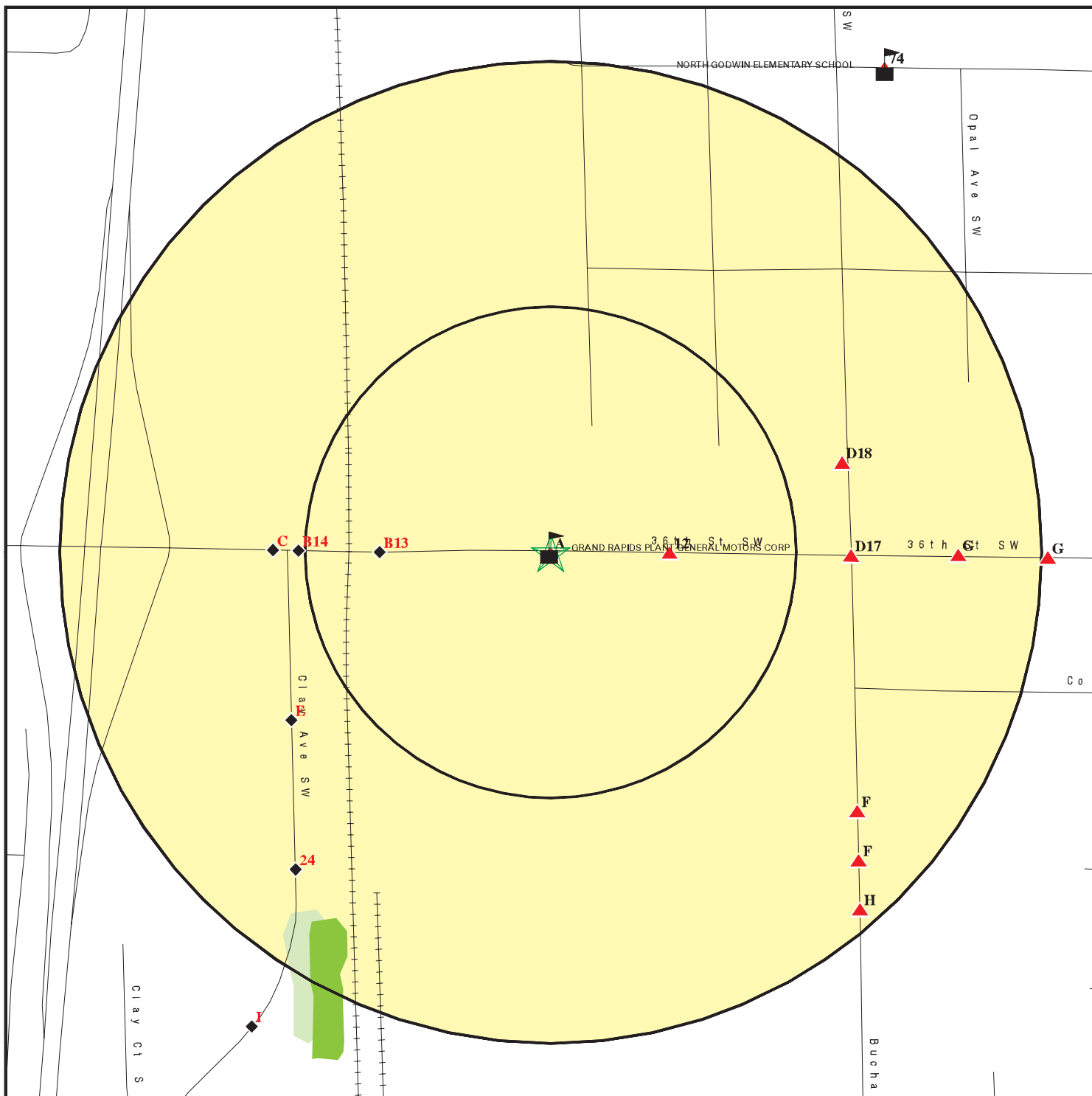
🌿 State Wetlands

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

SITE NAME: 070195 - Wyoming, MI
ADDRESS: 300 36th Street SW
Wyoming MI 49548
LAT/LONG: 42.8987 / 85.6733

CLIENT: Conestoga-Rovers & Associates
CONTACT: Kelly F. Connolly
INQUIRY #: 2751676.2s
DATE: April 21, 2010 1:54 pm

DETAIL MAP - 2751676.2s



★ 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: 070195 - Wyoming, MI
ADDRESS: 300 36th Street SW
Wyoming MI 49548
LAT/LONG: 42.8987 / 85.6733

CLIENT: Conestoga-Rovers & Associates
CONTACT: Kelly F. Connolly
INQUIRY #: 2751676.2s
DATE: April 21, 2010 1:54 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
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL		1.500	0	0	0	1	0	1
Proposed NPL		1.500	0	0	0	0	0	0
NPL LIENS		0.500	0	0	0	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.500	0	0	0	0	0	0
<i>Federal CERCLIS list</i>								
CERCLIS		1.000	0	0	0	1	NR	1
FEDERAL FACILITY		1.500	0	0	0	0	0	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		1.000	0	0	0	2	NR	2
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.500	0	0	0	1	0	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		1.000	0	0	0	0	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.750	0	0	0	1	NR	1
RCRA-SQG	X	0.750	0	1	0	2	NR	3
RCRA-CESQG		0.750	0	4	7	8	NR	19
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		1.000	0	0	0	1	NR	1
US INST CONTROL		1.000	0	0	0	1	NR	1
<i>Federal ERNS list</i>								
ERNS	X	0.500	1	1	1	NR	NR	3
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	X	1.500	0	0	0	6	0	6
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		1.000	0	0	0	0	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST		1.000	0	1	6	15	NR	22
INDIAN LUST		1.000	0	0	0	0	NR	0
<i>State and tribal registered storage tank lists</i>								
UST	X	0.750	1	5	8	17	NR	31

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
AST	X	0.750	0	1	2	2	NR	5
INDIAN UST		0.750	0	0	0	0	NR	0
FEMA UST		0.750	0	0	0	0	NR	0
State and tribal institutional control / engineering control registries								
AUL		1.000	0	0	0	1	NR	1
State and tribal voluntary cleanup sites								
INDIAN VCP		1.000	0	0	0	0	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		1.000	0	0	0	2	NR	2
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		1.000	0	0	0	0	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		1.000	0	0	0	0	NR	0
DEBRIS REGION 9		1.000	0	0	0	0	NR	0
HIST LF		1.000	0	0	0	0	NR	0
INDIAN ODI		1.000	0	0	0	0	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		0.500	0	0	0	NR	NR	0
DEL SHWS		1.500	0	0	0	0	4	4
CDL		0.500	0	0	0	NR	NR	0
US HIST CDL		0.500	0	0	0	NR	NR	0
Local Land Records								
LIENS 2		0.500	0	0	0	NR	NR	0
LUCIS		1.000	0	0	0	0	NR	0
LIENS		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		0.500	0	36	2	NR	NR	38
SPILLS	X	0.500	0	2	1	NR	NR	3
Other Ascertainable Records								
RCRA-NonGen		0.750	0	3	9	8	NR	20
DOT OPS		0.500	0	0	0	NR	NR	0
DOD		1.500	0	0	0	0	0	0
FUDS		1.500	0	0	0	0	0	0
CONSENT		1.500	0	0	0	0	0	0
ROD		1.500	0	0	0	1	0	1
UMTRA		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
MINES		0.750	0	0	0	0	NR	0
TRIS	X	0.500	0	0	0	NR	NR	0
TSCA		0.500	0	0	0	NR	NR	0
FTTS		0.500	0	0	1	NR	NR	1
HIST FTTS		0.500	0	0	1	NR	NR	1
SSTS		0.500	0	0	0	NR	NR	0
ICIS		0.500	0	0	0	NR	NR	0
PADS	X	0.500	0	0	0	NR	NR	0
MLTS		0.500	0	0	0	NR	NR	0
RADINFO		0.500	0	0	0	NR	NR	0
FINDS	X	0.500	0	8	18	NR	NR	26
RAATS		0.500	0	0	0	NR	NR	0
UIC		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.750	0	0	0	0	NR	0
NPDES	X	0.500	0	0	0	NR	NR	0
AIRS	X	0.500	0	0	0	NR	NR	0
BEA		0.500	0	0	5	NR	NR	5
INDIAN RESERV		1.500	0	0	0	0	0	0
SCRD DRYCLEANERS		1.000	0	0	0	0	NR	0
COAL ASH EPA		1.000	0	0	0	0	NR	0
PCB TRANSFORMER		0.500	0	0	0	NR	NR	0
COAL ASH		1.000	0	0	0	0	NR	0
COAL ASH DOE		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		0.500	0	0	0	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.500	0	0	0	0	0	0	0
-------------------------	-------	---	---	---	---	---	---	---

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property

GRAND RAPIDS METAL FABRICATION
300 36TH ST. SW
GRAND RAPIDS, MI 49548

SPILLS
AIRS

S107925469
N/A

Site 1 of 11 in cluster A

Actual:
672 ft.

MI PEAS:

Incident Date: 04/27/2006 04:06 PM
Date Of PEAS Call: Not reported
Complainant / Company: Not reported
Complainant Address: Not reported
Company Involved: GENERAL MOTORS
DEQ Division Involved: RRD
Incident Description: Not reported
Description: LEAK CHECK ON UNDERGROUND GAS TANKS SHOWS IT MIGHT BE LEAKING; THINKS IT MIGHT BE FAULTY SENSER THOUGH, BUT NOT SURE YET.

AIRS:

State Registration Number: B1726
Naics Code: 336370
Contact Name: Not reported
Contact Phone: Not reported
Contact Address: Not reported
Contact City,St,Zip: Not reported
Permit Number: Not reported
Date Received: Not reported
State Registration Number: B1726
Country: USA
Application Reason: Not reported
Record Type: SI
State County FIPS: 26081
Facility Category: 01
SIC Primary: Not reported
Tribal Code: 000
EI Year: Not reported

A2
Target
Property

GENERAL MOTORS GRAND RAPID METAL PLANT
300 35TH STREET SW
GRAND RAPIDS, MI 49548

UST

U003328760
N/A

Site 2 of 11 in cluster A

Actual:
672 ft.

UST:

Facility ID: 00016424
Facility Type: ACTIVE
Latitude: 42.8927870000
Longitude: -85.6746380000
Owner Name: GM Grand Rapids Metal Plant
Owner Address: 300 36th Street DUNS #0060-20408
Owner City,St,Zip: Grand Rapids, MI 49548-2107
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 246-2750
Contact: Bridget Lennon
Contact Phone: (616) 246-2992
Date of Collection: 14-08-2001
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS GRAND RAPID METAL PLANT (Continued)

U003328760

Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 8000
Install Date: Apr 24 1980
Product: Hazardous Substance
Remove Date: Jan 1 1986
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: PLASTIC WRAPPED
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 8000
Install Date: Apr 24 1980
Product: Hazardous Substance
Remove Date: Jan 1 1986
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: PLASTIC WRAPPED
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 8000
Install Date: Apr 24 1980
Product: HYDRAULIC OIL
Remove Date: Jan 1 1986
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: PLASTIC WRAPPED
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 5
Tank Status: **Currently In Use**
Capacity: 8000
Install Date: Apr 24 1985
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Realease Detection: Not reported
Piping Material: NEW PIPE, Fiberglass Reinforced Plastic, Double Walled
Piping Type: Suction: No Valve At Tank

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS GRAND RAPID METAL PLANT (Continued)

U003328760

Constr Material: Cathodically Protected Steel, Double Walled
Impressed Device: No

Tank ID: 6
Tank Status: Currently In Use
Capacity: 3000
Install Date: Apr 24 1985
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Release Detection: Not reported
Piping Material: NEW PIPE, Fiberglass Reinforced Plastic, Double Walled
Piping Type: Suction: No Valve At Tank
Constr Material: Cathodically Protected Steel, Double Walled
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 8000
Install Date: Apr 24 1980
Product: MACHINE OIL
Remove Date: Jan 1 1987
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: PLASTIC WRAPPED
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

A3
Target
Property
300 36TH STREET
300 36TH STREET
GRAND RAPIDS, MI

ERNS **2006795380**
N/A

Site 3 of 11 in cluster A

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

A4
Target
Property
GM-MFD GROUP
300 36TH STREET SW
GRAND RAPIDS, MI 49548

AST **A100171617**
N/A

Site 4 of 11 in cluster A

Actual:
672 ft. **AST:**
Type: CLOSED
Owner Name: GM-MFD Group
Owner Address: 300 36th Street Sw
Owner City,St,Zip: Grand Rapids, MI 49548-2107
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (616) 246-2870
Facility ID: 91041209
District: Grand Rapids District Office
Contact: Scott Murto

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM-MFD GROUP (Continued)

A100171617

Facility Phone: (616) 246-2870
Tank ID: 1
Tank Status: Change in Service
Capacity: 100000
Install Date: Not reported
Close Date: Aug 16 2007
Content: FL/CL
Latitude: 42.8926580000
Longitude: -85.6708830000
Date of Collection: 21-10-2003
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

**A5
Target
Property**

**GMC GRAND RAPIDS METAL CENTER
300 36TH ST. S.W.
GRAND RAPIDS, MI 49548**

**TRIS 1006814737
49508CPCGR30**

Site 5 of 11 in cluster A

**Actual:
672 ft.**

**A6
Target
Property**

**GENERAL MOTORS COMPANY
300 36TH ST SW
GRAND RAPIDS, MI 49548**

**RCRA-SQG 1012180541
MIK467733846**

Site 6 of 11 in cluster A

**Actual:
672 ft.**

RCRA-SQG:
Date form received by agency: 10/13/2009
Facility name: GENERAL MOTORS COMPANY
Facility address: 300 36TH ST SW
GRAND RAPIDS, MI 49548
EPA ID: MIK467733846
Contact: BRIDGET BURNELL
Contact address: 300 36TH ST SW
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (517) 719-9053
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: GENERAL MOTORS COMPANY
Owner/operator address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS COMPANY (Continued)

1012180541

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/10/2009
Owner/Op end date: Not reported

Owner/operator name: GENERAL MOTORS CORP (PROPERTY OWNER)
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/15/1935
Owner/Op end date: Not reported

Owner/operator name: GENERAL MOTORS COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
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: Commercial status unknown

Violation Status: No violations found

A7
Target
Property

GENERAL MOTORS - CPC METALS
300 36TH ST. SW
WYOMING, MI 49509

SHWS S105144229
N/A

Site 7 of 11 in cluster A

Actual:
672 ft.

SHWS:
Facility ID: 41000115
Facility Status: Interim Response in progress
Source: Automotive Stamping

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS - CPC METALS (Continued)

S105144229

SAM Score: 34
SAM Score Date: 10/8/2004
Township: 06N
Range: 12W
Section: 24
Quarter: NE
Quarter/Quarter: NW
Pollutants: TCE; Oil

A8
Target 300 36TH STREET
Property 300 36TH STREET
GRAND RAPIDS, MI

ERNS 2003635949
N/A

Site 8 of 11 in cluster A

Actual:
672 ft.

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

A9
Target GENERAL MOTORS CORPORATION
Property 300 36TH STREET SW
WYOMING, MI 49548

NPDES S107792209
N/A

Site 9 of 11 in cluster A

Actual:
672 ft.

MI NPDES:
Permit Number: MI0043877
Permittee PO Box: N
Permittee Email: Not reported
Issue Date: 7/28/2006
Effective Date: 10/1/2006
Expiration Date: 10/1/2010
Permittee Name: General Motors Corporation
Permittee Address: 100 Renaissance Center
Permittee Addr2: Not reported
Permittee City,St,Zip: Detroit, MI 48243
Permit Type: IP
Facility Name 2: North American Operations
Facility Name 3: Grand Rapids Metal Fabricating Plant
Facility Name 4: Not reported
Designed Name: GM-NAO-Grand Rapids
Latitude: 42.895833000000003
Lat Direction: N
Lat Type Code: LAT
Longitude: -85.677777000000006
Lon Direction: W
Lon Type Code: LON
Hydrologic Unit Code: 4050006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A10
Target
Property
GENERAL MOTORS CORPORATION
300 36TH STREET
GRAND RAPIDS, MI 49548

AIRS
S107696918
N/A

Site 10 of 11 in cluster A

Actual:
672 ft.

AIRS:
State Registration Number: B1726
Naics Code: Not reported
Contact Name: TOM MCLEAN
Contact Phone: (616) 246-3100
Contact Address: GENERAL MOTORS CORPORATION
Contact Address 2: 300 36TH STREET SW
Contact City,St,Zip: GRAND RAPIDS, MI 49548
Permit Number: 79-99
Date Received: 02/24/99
State Registration Number: B1726
Country: Not reported
Application Reason: OPT-OUT
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
EI Year: Not reported

A11
Target
Property
GENERAL MOTORS CORPORATION
300 36TH ST SW
GRAND RAPIDS, MI 49548

RCRA-SQG
PADS
FINDS
MANIFEST
1000116146
MID006020408

Site 11 of 11 in cluster A

Actual:
672 ft.

RCRA-SQG:
Date form received by agency: 05/04/2008
Facility name: GENERAL MOTORS CORPORATION
Facility address: 300 36TH ST SW
GRAND RAPIDS, MI 49548
EPA ID: MID006020408
Contact: SCOTT MURTO
Contact address: 300 36TH ST SW
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 246-2992
Contact email: Not reported
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: GENERAL MOTORS CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/15/1935
Owner/Op end date: Not reported

Owner/operator name: GENERAL MOTORS CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/15/1935
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: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Generated waste on-site: No

Waste type: MERCURY SWITCHES

Accumulated waste on-site: No

Generated waste on-site: No

Historical Generators:

Date form received by agency: 04/04/2006

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 03/01/2006

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 02/01/2005

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 01/01/2005

Facility name: GENERAL MOTORS CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 03/01/2004

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 02/19/2004

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 02/01/2004

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 01/01/2004

Facility name: GENERAL MOTORS CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 11/10/2003

Facility name: GENERAL MOTORS CORPORATION

Classification: Small Quantity Generator

Date form received by agency: 03/01/2002

Facility name: GENERAL MOTORS CORPORATION

Site name: GMC GRAND RAPIDS METAL PLANT

Classification: Large Quantity Generator

Date form received by agency: 02/28/2002

Facility name: GENERAL MOTORS CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 02/29/2000

Facility name: GENERAL MOTORS CORPORATION

Site name: GMC GRAND RAPIDS METAL PLANT

Classification: Large Quantity Generator

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Date form received by agency: 02/20/1998

Facility name: GENERAL MOTORS CORPORATION
Site name: GM MFD GRAND RAPIDS METAL PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/27/1996

Facility name: GENERAL MOTORS CORPORATION
Site name: GM MFD GRAND RAPIDS METAL PLANT
Classification: Large Quantity Generator

Date form received by agency: 08/23/1995

Facility name: GENERAL MOTORS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980

Facility name: GENERAL MOTORS CORPORATION
Classification: Not a generator, verified

Date form received by agency: 08/15/1980

Facility name: GENERAL MOTORS CORPORATION
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/19/1994
Date achieved compliance: 06/13/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/25/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 11/25/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/01/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/17/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Evaluation date: 05/19/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/13/1994
Evaluation lead agency: State

Evaluation date: 11/08/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110001840615

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). AFS 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.

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.

US EPA RACT/BACT/LAER Clearinghouse (RBLC) database contains case-specific information on the "Best Available" air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). RACT, or Reasonably Available Control Technology, is required on existing sources in areas that are not meeting national ambient air quality standards. BACT, or Best Available Control Technology, is required on major new or modified

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MAP FINDINGS

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GENERAL MOTORS CORPORATION (Continued)

1000116146

sources in clean areas. LAER, or Lowest Achievable Emission Rate, is required on major new or modified sources in non-attainment areas.

NY MANIFEST:

EPA ID: MID006020408
Country: USA
Mailing Name: GM-MFD GRAND RAPIDS
Mailing Contact: BRIDGET LENNON
Mailing Address: 300 36TH ST SW
Mailing Address 2: Not reported
Mailing City: GRAND RAPIDS
Mailing State: MI
Mailing Zip: 49548
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 616-246-2750

Document ID: NYB9556866
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 02/26/2003
Trans1 Recv Date: 02/26/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/27/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: PUC3607OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 05797
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9556875
Manifest Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 03/26/2003
Trans1 Recv Date: 03/26/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/27/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: PUR4188OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 05561
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9556884
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 04/02/2003
Trans1 Recv Date: 04/02/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/03/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: TML8562OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 06296
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
Manifest Tracking Num: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

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: NYB9557091
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 12/17/2003
Trans1 Recv Date: 12/17/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/23/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: 0629753ME
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00041
Units: K - Kilograms (2.2 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9557109
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 11/21/2003
Trans1 Recv Date: 11/21/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/24/2003

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: ME0629746
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00090
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9557118
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 10/30/2003
Trans1 Recv Date: 10/30/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/03/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: ME0629746
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00056
Units: K - Kilograms (2.2 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

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: NYB9557127
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 10/09/2003
Trans1 Recv Date: 10/09/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/14/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: 0629746ME
Waste Code: B004 - PCB ARTICLES WITH 50 PPM BUT < 500 PPM
Quantity: 00030
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9557136
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 06/13/2003
Trans1 Recv Date: 06/13/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/17/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: 0629746ME

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00135
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9557145
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 04/23/2003
Trans1 Recv Date: 04/23/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/24/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: PUL8814OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 06759
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Document ID: NYB9557154
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 04/09/2003
Trans1 Recv Date: 04/09/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/10/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: OHTML8481
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 04718
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9557163
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 04/09/2003
Trans1 Recv Date: 04/09/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/10/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: PUR4188OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 07094
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Year: 03
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: NYB9557082
Manifest Status: Not reported
Trans1 State ID: ME0629753
Trans2 State ID: Not reported
Generator Ship Date: 02/11/2004
Trans1 Recv Date: 02/11/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/16/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: OHD068913409
Trans2 EPA ID: Not reported
TSDF ID: NYD049836
Waste Code: D005 - BARIUM 100.0 MG/L TCLP
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00090
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 04
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Document ID: NYB9557073
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 01/04/2005
Trans1 Recv Date: 01/04/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/06/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: T117060TN
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B005 - PCB ARTICLES WITH 500 PPM OR > PCB
Quantity: 00090
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: Not reported
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9569403
Manifest Status: Not reported
Trans1 State ID: OHD068013409
Trans2 State ID: Not reported
Generator Ship Date: 04/16/2002
Trans1 Recv Date: 04/16/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/19/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: PUR4188OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 07421
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Year: 02
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9569421
Manifest Status: Not reported
Trans1 State ID: ALD067138891
Trans2 State ID: Not reported
Generator Ship Date: 06/25/2002
Trans1 Recv Date: 06/25/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/26/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: ITM1040AL
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 09625
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 02
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9569547
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 12/20/2002
Trans1 Recv Date: 12/20/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/23/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: PUH3235
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 05489
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 02
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9569556
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 11/14/2002
Trans1 Recv Date: 11/14/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/15/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: PUC3608OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 08419
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 02
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

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: NYB9569565
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 10/02/2002
Trans1 Recv Date: 10/02/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/03/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: PUR4242OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 05888
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 02
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9569574
Manifest Status: Not reported
Trans1 State ID: MIR000014530
Trans2 State ID: Not reported
Generator Ship Date: 08/15/2002
Trans1 Recv Date: 08/15/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/16/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Trans2 EPA ID: Not reported
TSDf ID: SC004
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 07484
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 02
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYG2988234
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 01/10/2002
Trans1 Recv Date: 01/10/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/11/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049253719
Trans2 EPA ID: Not reported
TSDf ID: OHD068913
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 07711
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION (Continued)

1000116146

Mgmt Method Type Code: Not reported

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

**NPL
Region
North
1/2-1
3905 ft.**

**CHEM CENTRAL
2940 STAFFORD AVE SW
WYOMING TOWNSHIP, MI 49548**

**NPL
CERCLIS
US ENG CONTROLS
US INST CONTROL
ROD**

**1000294559
MID980477079**

NPL:

EPA ID: MID980477079
EPA Region: 05
Federal: N
Final Date: Not reported

Category Details:

NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 100 Feet
Category Value: 170

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

Site Details:

Site Name: CHEM CENTRAL
Site Status: Final
Site Zip: 49548
Site City: WYOMING TOWNSHIP
Site State: MI
Federal Site: No
Site County: KENT
EPA Region: 05
Date Proposed: 12/30/82
Date Deleted: Not reported
Date Finalized: 09/08/83

Substance Details:

NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: A046
Substance: POLYCHLORINATED BIPHENYLS
CAS #: 1336-36-3
Pathway: GROUND WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: A046

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEM CENTRAL (Continued)

1000294559

Substance: POLYCHLORINATED BIPHENYLS
CAS #: 1336-36-3
Pathway: SURFACE WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: U210
Substance: TETRACHLOROETHENE
CAS #: 127-18-4
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: U220
Substance: TOLUENE
CAS #: 108-88-3
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: U239
Substance: XYLENE
CAS #: 1330-20-7
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: W010
Substance: WASTE SOLVENTS
CAS #: Not reported
Pathway: GROUND WATER PATHWAY
Scoring: 2

Summary Details:

Conditions at listing December 1982): The Chem Central Site covers 5 acres in Wyoming Township, Kent County, Michigan. In 1977, the State detected high concentrations of PCBs, heavy metals, phthalates, oils, and organic compounds in oily sediments in a ditch near the site. Despite repeated draining, contaminants continue to leach into the ditch, which discharges to Cle Drain, a tributary of Plaster Creek. Ground water studies conducted by the State have traced the contamination to Chem Central formerly Wolverine Solvents), a chemical distribution facility. The ditch area has been fenced and warning signs posted. In 1980, the State filed suit seeking a permanent injunction to halt Chem Central's discharges to the ground and dry wells and to stop contaminating ground water. Status July 1983): Conditions at this site are currently being addressed through a State enforcement action.

Site Status Details:

NPL Status: Final
Proposed Date: 12/30/1982
Final Date: 09/08/1983
Deleted Date: Not reported

Narratives Details:

NPL Name: CHEM CENTRAL
City: WYOMING TOWNSHIP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEM CENTRAL (Continued)

1000294559

State: MI

CERCLIS:

Site ID: 0502743
Federal Facility: Not a Federal Facility
NPL Status: Currently on the Final NPL
Non NPL Status: Not reported

CERCLIS Site Contact Name(s):

Contact Name: PAMELA MOLITOR
Contact Tel: (312) 886-3543
Contact Title: Remedial Project Manager (RPM)

CERCLIS Site Alias Name(s):

Alias Name: WOLVERINE CHEM SOLV & REC
Alias Address: Not reported
MI
Alias Name: CHEM-CENTRAL
Alias Address: Not reported
KENT, MI
Alias Name: CHEM-CENTRAL
Alias Address: Not reported
Not reported
Alias Name: CHEM-CENTRAL
Alias Address: Not reported
Not reported
Alias Name: CHEM CENTRAL
Alias Address: 2940 STAFFORD AVENUE SOUTHWEST
GRAND RAPIDS, MI 49508
Alias Name: CHEM CENTRAL
Alias Address: 2940 STAFFORD AVE SW
WYOMING TOWNSHIP, MI 49508
Site Description: FORMERLY KNOWN AS WOLVERINE SOLVENTS, THE SITE IN GRAND RAPIDS HAS
CONTAMINATED GROUNDWATER AND SEDIMENTS WITH PCB'S AND HEAVY METALS. STATE LEAD
ENFORCEMENT.

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 10/01/78
Priority Level: Not reported

Action: HAZARD RANKING SYSTEM PACKAGE
Date Started: Not reported
Date Completed: 08/01/82
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 09/01/82
Priority Level: Higher priority for further assessment

Action: PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started: Not reported
Date Completed: 12/30/82

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEM CENTRAL (Continued)

1000294559

Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	01/01/83
Priority Level:	Higher priority for further assessment
Action:	FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started:	Not reported
Date Completed:	09/08/83
Priority Level:	Not reported
Action:	Notice Letters Issued
Date Started:	Not reported
Date Completed:	09/25/86
Priority Level:	Not reported
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	Not reported
Date Completed:	06/30/87
Priority Level:	Not reported
Action:	REMOVAL ASSESSMENT
Date Started:	02/27/90
Date Completed:	06/27/90
Priority Level:	Not reported
Action:	RISK/HEALTH ASSESSMENT
Date Started:	Not reported
Date Completed:	07/15/90
Priority Level:	Not reported
Action:	ECOLOGICAL RISK ASSESSMENT
Date Started:	Not reported
Date Completed:	07/15/90
Priority Level:	Not reported
Action:	REMOVAL ASSESSMENT
Date Started:	04/30/91
Date Completed:	08/01/91
Priority Level:	Not reported
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	06/30/87
Date Completed:	09/30/91
Priority Level:	Not reported
Action:	RECORD OF DECISION
Date Started:	Not reported
Date Completed:	09/30/91
Priority Level:	Final Remedy Selected at Site
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	12/30/91
Date Completed:	03/31/92
Priority Level:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEM CENTRAL (Continued)

1000294559

Action: UNILATERAL ADMIN ORDER
Date Started: Not reported
Date Completed: 03/31/92
Priority Level: Not reported

Action: REMOVAL ASSESSMENT
Date Started: 01/01/93
Date Completed: 01/01/93
Priority Level: Not reported

Action: REMOVAL ASSESSMENT
Date Started: 01/05/93
Date Completed: 01/05/93
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started: 04/07/92
Date Completed: 08/18/94
Priority Level: Not reported

Action: PRELIMINARY CLOSE-OUT REPORT PREPARED
Date Started: Not reported
Date Completed: 09/19/95
Priority Level: Not reported

Action: FIVE-YEAR REVIEW
Date Started: 05/25/99
Date Completed: 11/16/99
Priority Level: Not reported

Action: FIVE-YEAR REVIEW
Date Started: 06/15/04
Date Completed: 11/16/04
Priority Level: Not reported

Action: FIVE-YEAR REVIEW
Date Started: 11/26/08
Date Completed: 11/16/09
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 08/18/94
Date Completed: Not reported
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY LONG-TERM RESPONSE ACTION
Date Started: 09/19/95
Date Completed: Not reported
Priority Level: Not reported

US ENG CONTROLS:

EPA ID: MID980477079
Site ID: 0502743
Name: CHEM CENTRAL
Address: 2940 STAFFORD AVE SW
WYOMING TOWNSHIP, MI 49548

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEM CENTRAL (Continued)

1000294559

EPA Region: 05
County: KENT
Event Code: Not reported
Actual Date: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1991
Planned Complet. date: 9/30/1991
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Air Stripping

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1991
Planned Complet. date: 9/30/1991
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Discharge

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1991
Planned Complet. date: 9/30/1991
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Monitoring

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1991
Planned Complet. date: 9/30/1991
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Oil Water Separation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1991
Planned Complet. date: 9/30/1991
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Operations & Maintenance (O&M)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1991
Planned Complet. date: 9/30/1991
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Publicly Owned Treatment Works (POTW)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1991
Planned Complet. date: 9/30/1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEM CENTRAL (Continued)

1000294559

Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Pump And Treat

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1991
Planned Complet. date: 9/30/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Carbon Adsorption

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1991
Planned Complet. date: 9/30/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Physical/Chemical Treatment, (N.O.S.)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1991
Planned Complet. date: 9/30/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Soil Vapor Extraction (in-situ)

US INST CONTROL:

EPA ID: MID980477079
Site ID: 0502743
Name: CHEM CENTRAL
Action Name: RECORD OF DECISION
Address: 2940 STAFFORD AVE SW
WYOMING TOWNSHIP, MI 49548
EPA Region: 05
County: KENT
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: Not reported
Compleat. Date: 9/30/1991
Operable Unit: 01
Contaminated Media : Groundwater

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

12
East
< 1/8
0.060 mi.
319 ft.

HOEKSTRA TRUCK EQUIPMENT CO INC
260 36TH ST SE
GRAND RAPIDS, MI 49548

UST U003328975
N/A

Relative:
Higher

UST:

Actual:
674 ft.

Facility ID: 00019473
Facility Type: CLOSED
Latitude: 42.8982630000
Longitude: -85.6599220000
Owner Name: Hoekstra Truck Equip Co Inc
Owner Address: 260 36th St SE
Owner City,St,Zip: Grand Rapids, MI 49548-2257
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 241-6664
Contact: KEN HAVERKATE
Contact Phone: (616) 241-6664
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 2000
Install Date: Apr 19 1971
Product: Diesel
Remove Date: Jun 12 1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

B13
West
< 1/8
0.087 mi.
461 ft.

357 36TH ST, SE
357 36TH ST, SE
GRAND RAPIDS, MI 49548

ERNS 93317227
N/A

Site 1 of 2 in cluster B

Relative:
Lower

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

Actual:
665 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

B14
West
1/8-1/4
0.129 mi.
679 ft.

THE SHERWIN WILLIAMS CO
405 36TH ST SE
GRAND RAPIDS, MI 49548

Site 2 of 2 in cluster B

RCRA-CESQG
FINDS

1000465258
MID985598895

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 12/11/1995

Facility name: THE SHERWIN WILLIAMS CO

Facility address: 405 36TH ST SE
GRAND RAPIDS, MI 49548

EPA ID: MID985598895

Contact: TOM SHIRA

Contact address: 405 36TH ST SE
GRAND RAPIDS, MI 49548

Contact country: Not reported

Contact telephone: (616) 241-6553

Contact email: Not reported

EPA Region: 05

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: PARRY WALTER AND PEGGY

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Owner/operator name: PARRY WALTER AND PEGGY

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Handler Activities Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE SHERWIN WILLIAMS CO (Continued)

1000465258

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 11/13/1990
Facility name: THE SHERWIN WILLIAMS CO
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 12/06/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE SHERWIN WILLIAMS CO (Continued)

1000465258

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003647705

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.

C15
West
1/8-1/4
0.141 mi.
747 ft.

CREATIVE SOLUTIONS PLUS INC
425 36TH ST SE
WYOMING, MI 49548

FINDS 1007250236
N/A

Site 1 of 2 in cluster C

Relative:
Lower

FINDS:

Registry ID: 110017223618

Actual:
667 ft.

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.

C16
West
1/8-1/4
0.141 mi.
747 ft.

CREATIVE SOLUTIONS PLUS INC
425 36TH ST SE
WYOMING, MI 49548

RCRA-NonGen 1007202940
MIK646464446

Site 2 of 2 in cluster C

Relative:
Lower

RCRA-NonGen:

Date form received by agency: 04/27/2004
Facility name: CREATIVE SOLUTIONS PLUS INC
Facility address: 425 36TH ST SE
WYOMING, MI 49548
EPA ID: MIK646464446
Contact: RICH DAVIS
Contact address: 425 36TH ST SE
WYOMING, MI 49548

Contact country: Not reported
Contact telephone: (616) 475-5085
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CREATIVE SOLUTIONS PLUS INC (Continued)

1007202940

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/28/2004
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/28/2004
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CREATIVE SOLUTIONS PLUS INC (Continued)

1007202940

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 02/09/2004
Facility name: CREATIVE SOLUTIONS PLUS INC
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

D17
East
1/8-1/4
0.153 mi.
807 ft.

OFFICER: RON WALTERS
INTERSECTION OF 36TH / BUCHANAN
GRAND RAPIDS, MI

SPILLS S109258592
N/A

Site 1 of 2 in cluster D

Relative:
Higher

MI PEAS:
Incident Date: 4/26/2008 11:03:00 AM
Date Of PEAS Call: Not reported
Complainant / Company: BETHANY/DRUG & LAB
Complainant Address: Not reported
Company Involved: OFFICER: RON WALTERS
DEQ Division Involved: WHMD
Incident Description: Not reported
Description: Not reported

Actual:
678 ft.

D18
ENE
1/8-1/4
0.155 mi.
820 ft.

AMOCO OIL CO
3565 BUCHANAN NW & 36TH ST
GRAND RAPIDS, MI 48152

UST U003329075
N/A

Site 2 of 2 in cluster D

Relative:
Higher

UST:
Facility ID: 00021227
Facility Type: CLOSED
Latitude: 42.8981290000
Longitude: -85.5694140000
Owner Name: Amoco Petroleum Products
Owner Address: 17187 N Laurel Park Ste 365
Owner City,St,Zip: Livonia, MI 48152-3954
Owner Country: USA
Owner Contact: Jeff Weston
Owner Phone: (734) 953-7013
Contact: J.E. WESTON
Contact Phone: (313) 855-8388
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET

Actual:
676 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO OIL CO (Continued)

U003329075

Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 2
Tank Status: Closed in Ground
Capacity: 500
Install Date: Jun 1 1977
Product: Not reported
Remove Date: Dec 1 1977
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Closed in Ground
Capacity: 2000
Install Date: Jun 2 1975
Product: Not reported
Remove Date: Jan 1 1974
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Closed in Ground
Capacity: 2000
Install Date: Jun 2 1975
Product: Not reported
Remove Date: Jan 1 1974
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1
Tank Status: Closed in Ground
Capacity: 250
Install Date: Jun 1 1977
Product: Not reported
Remove Date: Dec 1 1977
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO OIL CO (Continued)

U003329075

Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

E19
WSW
1/8-1/4
0.157 mi.
830 ft.

RYDER TRANSPORTATION SERV #2623

3663 CLAY AVE SW
GRAND RAPIDS, MI 49548

UST U003867765
N/A

Site 1 of 3 in cluster E

Relative:
Lower

UST:

Actual:
662 ft.

Facility ID: 00020040
Facility Type: ACTIVE
Latitude: 42.8978610000
Longitude: -85.6760540000
Owner Name: Ryder Transportation Service
Owner Address: C/o Ryder Fuel Services 16155 Park Row Suite 140
Owner City,St,Zip: Houston, TX 77084
Owner Country: USA
Owner Contact: Compliance Dept
Owner Phone: 713-426-4800
Contact: JOE WIERZBECKI
Contact Phone: (616) 538-2800
Date of Collection: 01-12-1998
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Feb 9 1982
Product: Diesel
Remove Date: May 12 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Feb 9 1980
Product: Diesel
Remove Date: Sep 1 1988
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RYDER TRANSPORTATION SERV #2623 (Continued)

U003867765

Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 4000
Install Date: Feb 9 1971
Product: Diesel
Remove Date: Jul 1 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: **Removed from Ground**
Capacity: 4000
Install Date: Feb 9 1971
Product: Diesel
Remove Date: Jul 19 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 9
Tank Status: **Removed from Ground**
Capacity: 4000
Install Date: Feb 9 1971
Product: Gasoline
Remove Date: Jul 19 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 10
Tank Status: **Removed from Ground**
Capacity: 4000
Install Date: Feb 9 1975
Product: Used Oil
Remove Date: Jun 16 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RYDER TRANSPORTATION SERV #2623 (Continued)

U003867765

Tank Status: Removed from Ground
Capacity: 12000
Install Date: Feb 9 1982
Product: Gasoline
Remove Date: May 12 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 11
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Feb 9 1979
Product: Used Oil
Remove Date: May 12 1994
Tank Release Detection: Tank Tightness Testing
Pipe Realease Detection: Line Tightness Testing
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Gravity Fed?,Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 12
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Feb 9 1975
Product: MOTOR OIL
Remove Date: Jun 16 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 13
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Feb 9 1975
Product: MOTOR OIL
Remove Date: Jun 16 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 15
Tank Status: Removed from Ground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RYDER TRANSPORTATION SERV #2623 (Continued)

U003867765

Capacity: 12000
Install Date: Feb 9 1988
Product: Gasoline
Remove Date: May 12 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Cathodically Protected
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Feb 9 1971
Product: Diesel
Remove Date: Jul 19 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Feb 9 1971
Product: Gasoline
Remove Date: Jul 19 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 8
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Feb 9 1971
Product: Gasoline
Remove Date: Jul 19 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 14
Tank Status: Removed from Ground
Capacity: 12000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RYDER TRANSPORTATION SERV #2623 (Continued)

U003867765

Install Date: Feb 9 1988
Product: Diesel
Remove Date: Jun 16 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Cathodically Protected
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 16
Tank Status: Currently In Use
Capacity: 20000
Install Date: Jun 13 1994
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Inter Monitoring/Second Containment,Inventory Control,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping,Line Tightness Testing
Piping Material: Double Walled
Piping Type: Pressure
Constr Material: Double Walled,Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 17
Tank Status: Currently In Use
Capacity: 12000
Install Date: Jun 3 1994
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Inter Monitoring/Second Containment,Inventory Control,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping,Line Tightness Testing
Piping Material: Double Walled,Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Double Walled,Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: Phantom
Tank Status: Non-Registered Tank
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E20
WSW
1/8-1/4
0.157 mi.
830 ft.

3663 CLAY AVE. SW, GRAND RAPIDS, MI
GRAND RAPIDS, MI

Site 2 of 3 in cluster E

SPILLS **S107597207**
N/A

Relative:
Lower

MI PEAS:

Incident Date: 02/01/2006 10:31 PM

Date Of PEAS Call: Not reported

Complainant / Company: Not reported

Complainant Address: Not reported

Company Involved: RYDER TRANSPORTATION SERVICES

DEQ Division Involved: WB

Incident Description: Not reported

Description: VEHICLE ACCIDENT IN PARKING LOT; RUPTURED FUEL TANK RESULTED IN A LOSS OF APPROXIMATELY 50 GALLONS ONTO THE PAVEMENT AND POSSIBLY STORM DRAINS.

Actual:
662 ft.

E21
WSW
1/8-1/4
0.157 mi.
830 ft.

RYDER TRANSPORTATION SERV #2623
3663 CLAY AVE SW
GRAND RAPIDS, MI 49548

Site 3 of 3 in cluster E

LUST **S105551250**
N/A

Relative:
Lower

LUST:

Facility ID: 00020040

Source: STATE OF MICHIGAN

Owner Name: Ryder Transportation Service

Owner Address: C/o Ryder Fuel Services 16155 Park Row Suite 140

Owner City,St,Zip: Houston, TX 77084

Owner Contact: Compliance Dept

Owner Phone: 713-426-4800

Country: USA

District: Grand Rapids District Office

Site Name: Ryder Truck Rental, Inc.

Latitude: 42.8978610000

Longitude: -85.6760540000

Date of Collection: 01-12-1998

Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Accuracy: 10

Accuracy Value Unit: METERS

Horizontal Data: NAD83

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Leak Number: C-0400-94

Release Date: May 3 1994

Substance Released: Other

Release Status: Closed

Release Closed Date: Aug 30 2000

Leak Number: C-0735-94

Release Date: Jul 19 1994

Substance Released: Used Oil,Other

Release Status: Closed

Release Closed Date: Aug 30 2000

Leak Number: C-4022-85

Release Date: Oct 1 1987

Substance Released: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RYDER TRANSPORTATION SERV #2623 (Continued)

S105551250

Release Status: Open
Release Closed Date: Not reported

F22
SE
1/8-1/4
0.204 mi.
1078 ft.
AIRGAS GREAT LAKES
3700 BUCHANAN SW
WYOMING, MI 48708
Site 1 of 6 in cluster F

AST **A100270248**
N/A

Relative:
Higher

AST:

Actual:
679 ft.

Type: CLOSED
Owner Name: AirGas Great Lakes
Owner Address: 311 Columbus Ave
Owner City,St,Zip: Bay City, MI 48708
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (800) 999-6247
Facility ID: 92041114
District: Grand Rapids District Office
Contact: Tom Shaheen
Facility Phone: 616-895-0160
Tank ID: 1
Tank Status: Removed from Premises
Capacity: 1850
Install Date: Not reported
Close Date: Apr 1 1991
Content: Liquid Propane Gas
Latitude: 42.8974600000
Longitude: -85.6699450000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: AirGas Great Lakes
Owner Address: 311 Columbus Ave
Owner City,St,Zip: Bay City, MI 48708
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (800) 999-6247
Facility ID: 92041114
District: Grand Rapids District Office
Contact: Tom Shaheen
Facility Phone: 616-895-0160
Tank ID: 2
Tank Status: Removed from Premises
Capacity: 1000
Install Date: Not reported
Close Date: Apr 1 1991
Content: Liquid Propane Gas
Latitude: 42.8974600000
Longitude: -85.6699450000
Date of Collection: 01-11-2001
Accuracy: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIRGAS GREAT LAKES (Continued)

A100270248

Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: AirGas Great Lakes
Owner Address: 311 Columbus Ave
Owner City,St,Zip: Bay City, MI 48708
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (800) 999-6247
Facility ID: 92041114
District: Grand Rapids District Office
Contact: Tom Shaheen
Facility Phone: 616-895-0160
Tank ID: 3
Tank Status: Removed from Premises
Capacity: 1850
Install Date: Jul 1 1985
Close Date: Jan 1 1995
Content: Liquid Propane Gas
Latitude: 42.8974600000
Longitude: -85.6699450000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: AirGas Great Lakes
Owner Address: 311 Columbus Ave
Owner City,St,Zip: Bay City, MI 48708
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (800) 999-6247
Facility ID: 92041114
District: Grand Rapids District Office
Contact: Tom Shaheen
Facility Phone: 616-895-0160
Tank ID: 4
Tank Status: Removed from Premises
Capacity: 1000
Install Date: Feb 24 1993
Close Date: Jan 1 1995
Content: Liquid Propane
Latitude: 42.8974600000
Longitude: -85.6699450000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIRGAS GREAT LAKES (Continued)

A100270248

Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: AirGas Great Lakes
Owner Address: 311 Columbus Ave
Owner City,St,Zip: Bay City, MI 48708
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (800) 999-6247
Facility ID: 92041114
District: Grand Rapids District Office
Contact: Tom Shaheen
Facility Phone: 616-895-0160
Tank ID: 5
Tank Status: Removed from Premises
Capacity: 1000
Install Date: Apr 1 1991
Close Date: Jan 1 1995
Content: Liquid Propane
Latitude: 42.8974600000
Longitude: -85.6699450000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: AirGas Great Lakes
Owner Address: 311 Columbus Ave
Owner City,St,Zip: Bay City, MI 48708
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (800) 999-6247
Facility ID: 92041114
District: Grand Rapids District Office
Contact: Tom Shaheen
Facility Phone: 616-895-0160
Tank ID: 6
Tank Status: Removed from Premises
Capacity: 12000
Install Date: Jan 23 1995
Close Date: Nov 30 2000
Content: Liquid Propane Gas
Latitude: 42.8974600000
Longitude: -85.6699450000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIRGAS GREAT LAKES (Continued)

A100270248

Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: AirGas Great Lakes
Owner Address: 311 Columbus Ave
Owner City,St,Zip: Bay City, MI 48708
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (800) 999-6247
Facility ID: 92041114
District: Grand Rapids District Office
Contact: Tom Shaheen
Facility Phone: 616-895-0160
Tank ID: 7
Tank Status: Removed from Premises
Capacity: 1000
Install Date: Aug 8 1997
Close Date: Nov 30 2000
Content: Hazardous Substance
Latitude: 42.8974600000
Longitude: -85.6699450000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: AirGas Great Lakes
Owner Address: 311 Columbus Ave
Owner City,St,Zip: Bay City, MI 48708
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (800) 999-6247
Facility ID: 92041114
District: Grand Rapids District Office
Contact: Tom Shaheen
Facility Phone: 616-895-0160
Tank ID: 8
Tank Status: Removed from Premises
Capacity: 1000
Install Date: Aug 8 1997
Close Date: Nov 30 2000
Content: Hazardous Substance
Latitude: 42.8974600000
Longitude: -85.6699450000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIRGAS GREAT LAKES (Continued)

A100270248

Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

F23
SE
1/8-1/4
0.204 mi.
1078 ft.
HARTWICK WELDING SUPPLY
3700 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548
Site 2 of 6 in cluster F

UST **U003867557**
N/A

Relative: UST:
Higher Facility ID: 00017563
Facility Type: CLOSED
Actual: Latitude: 42.8974600000
679 ft. Longitude: -85.6699450000
Owner Name: Hartwick Welding Supply
Owner Address: 3700 Buchanan Ave SW
Owner City,St,Zip: Grand Rapids, MI 49548-3110
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 245-2227
Contact: Not reported
Contact Phone: () -
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 1000
Install Date: Apr 28 1966
Product: Gasoline
Remove Date: Jan 1 1982
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

24
SW
1/8-1/4
0.207 mi.
1094 ft.
CUMMINS BRIDGEWAY LLC
3715 CLAY AVE SW
GRAND RAPIDS, MI 49548

RCRA-SQG **1000300158**
FINDS **MID981775547**

Relative: RCRA-SQG:
Lower Date form received by agency: 03/11/2008
Facility name: CUMMINS BRIDGEWAY LLC
Actual: Facility address: 3715 CLAY AVE SW
661 ft. GRAND RAPIDS, MI 49548

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUMMINS BRIDGEWAY LLC (Continued)

1000300158

EPA ID: MID981775547
Contact: GREG CRYDERMAN
Contact address: 3715 CLAY AVE SW
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 538-2250
Contact email: Not reported
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: CUMMINS BRIDGEWAY LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/01/2003
Owner/Op end date: Not reported

Owner/operator name: CUMMINS BRIDGEWAY LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/01/2003
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
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: Commercial status unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUMMINS BRIDGEWAY LLC (Continued)

1000300158

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 06/14/2005
Facility name: CUMMINS BRIDGEWAY LLC
Classification: Small Quantity Generator

Date form received by agency: 02/22/2005
Facility name: CUMMINS BRIDGEWAY LLC
Classification: Small Quantity Generator

Date form received by agency: 09/05/2003
Facility name: CUMMINS BRIDGEWAY LLC
Classification: Small Quantity Generator

Date form received by agency: 09/10/2002
Facility name: CUMMINS BRIDGEWAY LLC
Classification: Small Quantity Generator

Date form received by agency: 09/05/1986
Facility name: CUMMINS BRIDGEWAY LLC
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/11/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUMMINS BRIDGEWAY LLC (Continued)

1000300158

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/15/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003621091

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.

G25
East
1/8-1/4
0.207 mi.
1095 ft.

36TH STREET AMOCO FOOD SHOP
150 36TH STREEET SW
WYOMING, MI 49345

UST **U003328885**
N/A

Site 1 of 4 in cluster G

Relative:
Higher

UST:

Actual:
679 ft.

Facility ID: 00018071
Facility Type: ACTIVE
Latitude: 42.8985000000
Longitude: -85.6696916700
Owner Name: American Gas & Oil
Owner Address: PO Box 247
Owner City,St,Zip: Sparta, MI 49345
Owner Country: USA
Owner Contact: Jason Maclaren
Owner Phone: (616) 887-0956
Contact: FRANK G BERRIS
Contact Phone: (616) 887-0956
Date of Collection: 16-05-2002
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 4000
Install Date: May 2 1976
Product: Gasoline
Remove Date: Jul 26 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

36TH STREET AMOCO FOOD SHOP (Continued)

U003328885

Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 4000
Install Date: May 2 1976
Product: Gasoline
Remove Date: Jul 26 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 6000
Install Date: May 2 1976
Product: Gasoline
Remove Date: Jul 26 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 10000
Install Date: May 2 1976
Product: Gasoline
Remove Date: Jul 26 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 500
Install Date: May 2 1976
Product: Used Oil
Remove Date: Jul 26 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

36TH STREET AMOCO FOOD SHOP (Continued)

U003328885

Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Currently In Use
Capacity: 10000
Install Date: Jan 1 1989
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Groundwater Monitoring,Manual Tank Gauging,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,FLEX,Secondary Containment
Piping Type: Not reported
Constr Material: Cathodically Protected Steel,STIP-3
Impressed Device: No

Tank ID: 7
Tank Status: Currently In Use
Capacity: 10000
Install Date: Jan 1 1989
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Groundwater Monitoring,Manual Tank Gauging,Tank Tightness Testing,Vapor Monitoring
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,FLEX,Secondary Containment
Piping Type: Not reported
Constr Material: Cathodically Protected Steel,STIP-3
Impressed Device: No

Tank ID: 8
Tank Status: Currently In Use
Capacity: 6000
Install Date: Jan 1 1989
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Groundwater Monitoring,Manual Tank Gauging,Tank Tightness Testing,Vapor Monitoring
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Fiberglass reinforced plastic,FLEX,Secondary Containment
Piping Type: Not reported
Constr Material: Cathodically Protected Steel,STIP-3
Impressed Device: No

Tank ID: 9
Tank Status: Currently In Use
Capacity: 4000
Install Date: Jan 1 1989
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Groundwater Monitoring,Manual Tank Gauging,Tank

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

36TH STREET AMOCO FOOD SHOP (Continued)

U003328885

Tightness Testing
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass reinforced plastic, FLEX, Secondary Containment
Piping Type: Not reported
Constr Material: Cathodically Protected Steel, STIP-3
Impressed Device: No

G26
East
1/8-1/4
0.207 mi.
1095 ft.

AMOCO OIL CO
150 36TH ST SW
WYOMING, MI 49548

RCRA-NonGen **1000704761**
FINDS **MID985633882**

Site 2 of 4 in cluster G

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 12/31/2001

Facility name: AMOCO OIL CO

Facility address: 150 36TH ST SW
WYOMING, MI 49548

EPA ID: MID985633882

Mailing address: 1060 13 MILE NE
SPARTA, MI 49345

Contact: STAN BUTER

Contact address: 150 36TH ST SW
WYOMING, MI 49548

Contact country: Not reported

Contact telephone: (616) 887-0956

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: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/2002

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/2002

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO OIL CO (Continued)

1000704761

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: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 01/22/1992
Facility name: AMOCO OIL CO
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110006411711

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,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO OIL CO (Continued)

1000704761

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.

F27
SE
1/8-1/4
0.222 mi.
1170 ft.

BUCHANAN AUTO AND TRUCK REPAIR
3720 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

RCRA-CESQG
FINDS

1000828104
MID985651603

Site 3 of 6 in cluster F

Relative:
Higher

RCRA-CESQG:

Actual:
679 ft.

Date form received by agency: 09/17/1992
Facility name: BUCHANAN AUTO AND TRUCK REPAIR
Facility address: 3720 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548
EPA ID: MID985651603
Contact: DENNIS PITTSCH
Contact address: 3720 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 245-4100
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: DENNIS PITTSCH (MID985651603)
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: DENNIS PITTSCH (MID985651603)
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUCHANAN AUTO AND TRUCK REPAIR (Continued)

1000828104

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/01/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUCHANAN AUTO AND TRUCK REPAIR (Continued)

1000828104

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110009393334

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.

F28
SE
1/8-1/4
0.222 mi.
1170 ft.

TOTAL TRANSPORTATION SERVICE INC
3720 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

RCRA-NonGen **1000529746**
FINDS **MID985622190**

Site 4 of 6 in cluster F

Relative:
Higher

RCRA-NonGen:

Actual:
679 ft.

Date form received by agency: 12/31/1992
Facility name: TOTAL TRANSPORTATION SERVICE INC
Facility address: 3720 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548
EPA ID: MID985622190
Contact: RICK MAYWALT
Contact address: 3720 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 245-6633
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: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1993
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOTAL TRANSPORTATION SERVICE INC (Continued)

1000529746

Owner/Op start date: 01/01/1993
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: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 09/06/1991
Facility name: TOTAL TRANSPORTATION SERVICE INC
Classification: Small Quantity Generator

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOTAL TRANSPORTATION SERVICE INC (Continued)

1000529746

FINDS:

Registry ID: 110003662938

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.

F29
SE
1/8-1/4
0.223 mi.
1179 ft.

TOERING ELECTRIC
3714 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

FINDS 1007135187
N/A

Site 5 of 6 in cluster F

Relative:
Higher

FINDS:

Registry ID: 110015831484

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.

F30
SE
1/8-1/4
0.223 mi.
1179 ft.

TOERING ELECTRIC
3714 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

RCRA-CESQG 1007098059
MIK454591223

Site 6 of 6 in cluster F

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 04/30/2002

Facility name: TOERING ELECTRIC

Facility address: 3714 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

EPA ID: MIK454591223

Contact: SHANE TOERING

Contact address: 3714 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

Contact country: Not reported

Contact telephone: (616) 245-0271

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOERING ELECTRIC (Continued)

1007098059

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: DAVID L TOERING
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/1974
Owner/Op end date: Not reported

Owner/operator name: DAVID L TOERING
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/31/1974
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOERING ELECTRIC (Continued)

1007098059

Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 01/01/1980
Facility name: TOERING ELECTRIC
Classification: Not a generator, verified

Violation Status: No violations found

H31
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI
Site 1 of 38 in cluster H

HMIRS 2002044910
N/A

Relative:
Higher

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

Actual:
679 ft.
H32
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI
Site 2 of 38 in cluster H

HMIRS 20014576
N/A

Relative:
Higher

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

Actual:
679 ft.

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
MAP FINDINGS			
H33 SE 1/8-1/4 0.240 mi. 1269 ft.	3740 BUCHANAN SW WYOMING, MI Site 3 of 38 in cluster H	HMIRS	2001030294 N/A
Relative: Higher	Click this hyperlink while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 679 ft. H34 SE 1/8-1/4 0.240 mi. 1269 ft.	3740 BUCHANAN SOUTHWEST WYOMING, MI Site 4 of 38 in cluster H	HMIRS	20012425 N/A
Relative: Higher	Click this hyperlink while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 679 ft. H35 SE 1/8-1/4 0.240 mi. 1269 ft.	3740 BUCHANAN SOUTHWEST WYOMING, MI Site 5 of 38 in cluster H	HMIRS	9900011113 N/A
Relative: Higher	Click this hyperlink while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 679 ft. H36 SE 1/8-1/4 0.240 mi. 1269 ft.	3740 BUCHANAN SOUTHWEST WYOMING, MI Site 6 of 38 in cluster H	HMIRS	9999082038 N/A
Relative: Higher	Click this hyperlink while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 679 ft. H37 SE 1/8-1/4 0.240 mi. 1269 ft.	3740 BUCHANAN SOUTHWEST WYOMING, MI Site 7 of 38 in cluster H	HMIRS	2001030403 N/A
Relative: Higher	Click this hyperlink while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 679 ft. H38 SE 1/8-1/4 0.240 mi. 1269 ft.	3740 BUCHANAN SOUTHWEST WYOMING, MI Site 8 of 38 in cluster H	HMIRS	2003128397 N/A
Relative: Higher	Click this hyperlink while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 679 ft.			

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H39
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 9 of 38 in cluster H

HMIRS 9900011103
N/A

Relative:
Higher

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

Actual:
679 ft.
H40
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 10 of 38 in cluster H

HMIRS 2000100696
N/A

Relative:
Higher

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

Actual:
679 ft.
H41
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 11 of 38 in cluster H

HMIRS 2003130106
N/A

Relative:
Higher

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

Actual:
679 ft.
H42
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 12 of 38 in cluster H

HMIRS 20011053
N/A

Relative:
Higher

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

Actual:
679 ft.
H43
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 13 of 38 in cluster H

HMIRS 2000033778
N/A

Relative:
Higher

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

Actual:
679 ft.
H44
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 14 of 38 in cluster H

HMIRS 2000031357
N/A

Relative:
Higher

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

Actual:
679 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H45
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 15 of 38 in cluster H

HMIRS 2002055861
N/A

Relative:
Higher

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

Actual:
679 ft.
H46
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 16 of 38 in cluster H

HMIRS 2000031358
N/A

Relative:
Higher

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

Actual:
679 ft.
H47
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 17 of 38 in cluster H

HMIRS 2000033779
N/A

Relative:
Higher

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

Actual:
679 ft.
H48
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
GRAND RAPIDS, MI

Site 18 of 38 in cluster H

HMIRS 2002082165
N/A

Relative:
Higher

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

Actual:
679 ft.
H49
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 19 of 38 in cluster H

HMIRS 9900006676
N/A

Relative:
Higher

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

Actual:
679 ft.
H50
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 20 of 38 in cluster H

HMIRS 9999040978
N/A

Relative:
Higher

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

Actual:
679 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H51
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 21 of 38 in cluster H

HMIRS 9900010278
N/A

Relative:
Higher

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

Actual:
679 ft.
H52
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 22 of 38 in cluster H

HMIRS 2005710692
N/A

Relative:
Higher

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

Actual:
679 ft.
H53
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 23 of 38 in cluster H

HMIRS 200114141
N/A

Relative:
Higher

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

Actual:
679 ft.
H54
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 24 of 38 in cluster H

HMIRS 2000023819
N/A

Relative:
Higher

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

Actual:
679 ft.
H55
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 25 of 38 in cluster H

HMIRS 9999082027
N/A

Relative:
Higher

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

Actual:
679 ft.
H56
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 26 of 38 in cluster H

HMIRS 2000023820
N/A

Relative:
Higher

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

Actual:
679 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

H57
SE
1/8-1/4
0.240 mi.
1269 ft.

FED EX FREIGHT
3740 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

Site 27 of 38 in cluster H

RCRA-CESQG
FINDS
UST

1000465296
MID985599281

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 08/04/2003

Facility name: FED EX FREIGHT

Facility address: 3740 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

EPA ID: MID985599281

Contact: KIM BANOTCHEN

Contact address: 3740 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

Contact country: Not reported

Contact telephone: (616) 475-9985

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: FED EX FREIGHT EAST

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 08/04/2003

Owner/Op end date: Not reported

Owner/operator name: FED EX FREIGHT EAST

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 08/04/2003

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FED EX FREIGHT (Continued)

1000465296

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 11/19/1990
Facility name: FED EX FREIGHT
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110003647974

Environmental Interest/Information System

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FED EX FREIGHT (Continued)

1000465296

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.

UST:

Facility ID: 00000465
Facility Type: CLOSED
Latitude: 42.8965930000
Longitude: -85.6699230000
Owner Name: David L Toering
Owner Address: 3714 Buchanan Ave SW
Owner City,St,Zip: Grand Rapids, MI 49548-3110
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 245-0271
Contact: DAVID L. TOERING
Contact Phone: (616) 245-0271
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 12000
Install Date: Mar 17 1966
Product: Diesel
Remove Date: Sep 27 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 15000
Install Date: Mar 17 1966
Product: Gasoline
Remove Date: Sep 27 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H58
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 28 of 38 in cluster H

HMIRS 9999061281
N/A

Relative:
Higher

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

Actual:
679 ft.
H59
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 29 of 38 in cluster H

HMIRS 9900017056
N/A

Relative:
Higher

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

Actual:
679 ft.
H60
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 30 of 38 in cluster H

HMIRS 2003126833
N/A

Relative:
Higher

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

Actual:
679 ft.
H61
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 31 of 38 in cluster H

HMIRS 2003124986
N/A

Relative:
Higher

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

Actual:
679 ft.
H62
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 32 of 38 in cluster H

HMIRS 9900003834
N/A

Relative:
Higher

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

Actual:
679 ft.
H63
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 33 of 38 in cluster H

HMIRS 200110659
N/A

Relative:
Higher

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

Actual:
679 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H64
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 34 of 38 in cluster H

HMIRS 9998110292
N/A

Relative:
Higher

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

Actual:
679 ft.
H65
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 35 of 38 in cluster H

HMIRS 9900014609
N/A

Relative:
Higher

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

Actual:
679 ft.
H66
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SW
3740 BUCHANAN SW
WYOMING, MI 49548

Site 36 of 38 in cluster H

ERNS 93307552
N/A

Relative:
Higher

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

Actual:
679 ft.
H67
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 37 of 38 in cluster H

HMIRS 9999081164
N/A

Relative:
Higher

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

Actual:
679 ft.
H68
SE
1/8-1/4
0.240 mi.
1269 ft.

3740 BUCHANAN SOUTHWEST
WYOMING, MI

Site 38 of 38 in cluster H

HMIRS 20011009
N/A

Relative:
Higher

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

Actual:
679 ft.
G69
East
1/4-1/2
0.253 mi.
1336 ft.

GODWIN HEIGHTS SCHOOLS
111 36TH ST SW
GRAND RAPIDS, MI 49548

Site 3 of 4 in cluster G

RCRA-CESQG 1007096995
MIK283969483

Relative:
Higher

RCRA-CESQG:
Date form received by agency: 07/26/2001
Facility name: GODWIN HEIGHTS SCHOOLS
Facility address: 111 36TH ST SW
GRAND RAPIDS, MI 49548

Actual:
680 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GODWIN HEIGHTS SCHOOLS (Continued)

1007096995

EPA ID: MIK283969483
Contact: BRIAN SARTIN
Contact address: 111 36TH ST SW
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 245-0375
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: GODWIN HEIGHTS PUBLIC SCHOOLS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 07/26/2001
Owner/Op end date: Not reported

Owner/operator name: GODWIN HEIGHTS PUBLIC SCHOOLS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: District
Owner/Operator Type: Operator
Owner/Op start date: 07/26/2001
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GODWIN HEIGHTS SCHOOLS (Continued)

1007096995

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

G70
East
1/4-1/2
0.253 mi.
1336 ft.

GODWIN HEIGHTS SCHOOLS
111 36TH ST SW
GRAND RAPIDS, MI 49548
Site 4 of 4 in cluster G

FINDS 1007137017
N/A

Relative:
Higher

FINDS:

Registry ID: 110015851112

Actual:
680 ft.

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

I71
SSW
1/4-1/2
0.285 mi.
1506 ft.

3773 CLAY AVE SW
3773 CLAY AVE SW
GRAND RAPIDS, MI

Site 1 of 3 in cluster I

HMIRS 2008435092
N/A

Relative:
Lower

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

Actual:
664 ft.
I72
SSW
1/4-1/2
0.285 mi.
1506 ft.

VITRAN EXPRESS
3773 CLAY AVE SW
GRAND RAPIDS, MI 49548

Site 2 of 3 in cluster I

RCRA-CESQG 1001077825
FINDS MIR000007930
LUST
UST

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 12/31/2001

Facility name: VITRAN EXPRESS

Facility address: 3773 CLAY AVE SW
GRAND RAPIDS, MI 49548

EPA ID: MIR000007930
Mailing address: PO BOX 7004
INDIANAPOLIS, IN 46207

Contact: STEVE AMAN
Contact address: 3773 CLAY AVE SW
GRAND RAPIDS, MI 49548

Contact country: Not reported
Contact telephone: (317) 803-4060
Contact email: Not reported

EPA Region: 05
Land type: Private

Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: VITRAN EXPRESS MIR000007930

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 06/05/1999

Owner/Op end date: Not reported

Owner/operator name: VITRAN EXPRESS MIR000007930

Owner/operator address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VITRAN EXPRESS (Continued)

1001077825

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/05/1999
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VITRAN EXPRESS (Continued)

1001077825

Historical Generators:

Date form received by agency: 08/19/2001
Facility name: VITRAN EXPRESS
Classification: Small Quantity Generator

Date form received by agency: 12/21/2000
Facility name: VITRAN EXPRESS
Classification: Not a generator, verified

Date form received by agency: 10/31/1995
Facility name: VITRAN EXPRESS
Classification: Small Quantity Generator

Date form received by agency: 09/12/1995
Facility name: VITRAN EXPRESS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/09/1980
Facility name: VITRAN EXPRESS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: VITRAN EXPRESS
Classification: Not a generator, verified

Date form received by agency: 01/01/1980
Facility name: VITRAN EXPRESS
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 10/24/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003691434

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.

LUST:

Facility ID: 00016761
Source: STATE OF MICHIGAN
Owner Name: Overland Trans
Owner Address: 3773 CLAY S W

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VITRAN EXPRESS (Continued)

1001077825

Owner City,St,Zip: GRAND RAPIDS, MI 49548
Owner Contact: Not reported
Owner Phone: (616) 249-9060
Country: USA
District: Grand Rapids District Office
Site Name: Overland Transportation
Latitude: 42.8967170000
Longitude: -85.6760280000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1543-90
Release Date: Aug 16 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Jul 19 1995

UST:

Facility ID: 00016761
Facility Type: CLOSED
Latitude: 42.8967170000
Longitude: -85.6760280000
Owner Name: Overland Trans
Owner Address: 3773 CLAY S W
Owner City,St,Zip: GRAND RAPIDS, MI 49548
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 249-9060
Contact: JOHN DEPIETRO
Contact Phone: (616) 249-9060
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: Apr 18 1972
Product: Diesel
Remove Date: Aug 17 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I73
SSW
1/4-1/2
0.285 mi.
1506 ft.
3773 CLAY AVE SW
3773 CLAY AVE SW
GRAND RAPIDS, MI
Site 3 of 3 in cluster I

HMIRS
2008443941
N/A

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

Actual:
664 ft.
74
NE
1/4-1/2
0.300 mi.
1582 ft.
NORTH GODWIN ELEMENTARY SCHOOL
161 34TH STREET SW
WYOMING, MI 49548

FINDS
1008286150
N/A

Relative:
Higher
FINDS:

Registry ID: 110036844467

Actual:
675 ft.
Environmental Interest/Information System
NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

75
West
1/4-1/2
0.316 mi.
1670 ft.
WYOMING SELF STORAGE
533 36TH ST SW
WYOMING, MI 49509

RCRA-NonGen
FINDS
1006808467
MIK715885711

Relative:
Higher
RCRA-NonGen:
Date form received by agency: 12/31/2002
Facility name: WYOMING SELF STORAGE
Facility address: 533 36TH ST SW

Actual:
673 ft.
WYOMING, MI 49509
EPA ID: MIK715885711
Contact: TONY MANGIONE
Contact address: 533 36TH ST SW
WYOMING, MI 49509

Contact country: Not reported
Contact telephone: (616) 531-7560
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: CREMCO LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WYOMING SELF STORAGE (Continued)

1006808467

Owner/Op end date: Not reported

Owner/operator name: CREMCO LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2000
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WYOMING SELF STORAGE (Continued)

1006808467

Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 06/21/2002
Facility name: WYOMING SELF STORAGE
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 04/23/2002
Date achieved compliance: 11/13/2002
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

Evaluation Action Summary:

Evaluation date: 04/23/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - Container Use and Management
Date achieved compliance: 11/13/2002
Evaluation lead agency: State

FINDS:

Registry ID: 110013385121

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.

J76
SSE
1/4-1/2
0.321 mi.
1698 ft.

3818 BUCHANAN AVENUE
3818 BUCHANAN AVENUE
WYOMING, MI

Site 1 of 4 in cluster J

ERNS 2008861832
N/A

Relative:
Higher

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

Actual:
679 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

K77
ENE
1/4-1/2
0.329 mi.
1739 ft.
GODWIN HEIGHTS SENIOR HIGH SCHOOL
50 35TH STREET SW
WYOMING, MI 49548
Site 1 of 2 in cluster K

FINDS **1008286149**
N/A

Relative:
Higher

FINDS:

Actual:
677 ft.

Registry ID: 110021772991

Environmental Interest/Information System

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

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.

K78
ENE
1/4-1/2
0.329 mi.
1739 ft.
GODWIN HEIGHTS SCHOOLS
50 35TH ST SW
WYOMING, MI 49548
Site 2 of 2 in cluster K

RCRA-CESQG **1004723866**
MID985650365

Relative:
Higher

RCRA-CESQG:

Actual:
677 ft.

Date form received by agency: 08/24/1992

Facility name: GODWIN HEIGHTS SCHOOLS

Facility address: 50 35TH ST SW
WYOMING, MI 49548

EPA ID: MID985650365

Contact: BRIAN SARTUB

Contact address: 50 35TH ST SW
WYOMING, MI 49548

Contact country: Not reported

Contact telephone: (616) 245-0375

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GODWIN HEIGHTS SCHOOLS (Continued)

1004723866

Owner/Operator Summary:

Owner/operator name: GODWIN HEIGHTS PUBLIC HS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1972
Owner/Op end date: Not reported

Owner/operator name: GODWIN HEIGHTS PUBLIC HS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: District
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1972
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GODWIN HEIGHTS SCHOOLS (Continued)

1004723866

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 01/01/1980
Facility name: GODWIN HEIGHTS SCHOOLS
Classification: Not a generator, verified

Violation Status: No violations found

J79
SSE
1/4-1/2
0.337 mi.
1780 ft.

GRAND RAPIDS COMMERCIAL HEAT
3832 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

UST U003329134
N/A

Site 2 of 4 in cluster J

Relative:
Higher

UST:

Actual:
679 ft.

Facility ID: 00032880
Facility Type: CLOSED
Latitude: 42.8945990000
Longitude: -85.6698670000
Owner Name: Grand Rapids Commercial Heat
Owner Address: 2199 15 Mile Rd Se
Owner City,St,Zip: Sparta, MI 49548-8556
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 698-3209
Contact: John Hickey
Contact Phone: (616) 696-3209
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 8000
Install Date: Jun 23 1980
Product: QUENCH OIL
Remove Date: Feb 7 2001
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAND RAPIDS COMMERCIAL HEAT (Continued)

U003329134

Impressed Device: No

Tank ID: 2

Tank Status: Removed from Ground

Capacity: 100

Install Date: Not reported

Product: Gasoline

Remove Date: Feb 7 2001

Tank Release Detection: Not reported

Pipe Release Detection: Not reported

Piping Material: Bare Steel

Piping Type: Suction: Valve at Tank

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

J80
SSE
1/4-1/2
0.337 mi.
1780 ft.
3832 BUCHANAN AVE.
3832 BUCHANAN AVE.
WYOMING, MI
Site 3 of 4 in cluster J

BEA S105094880
N/A

Relative:
Higher

BEA:

Secondary Address: Not reported

BEA Number: 938

District: Grand Rapids

Date Received: 8/31/2001 12:59:00 AM

Submitter Name: 3832 Buchanan Properties, LLC

Petition Determination: No Request

Petition Disclosure: 0

Category: No Hazardous Substance(s)

Determination 20107A: No Request

Reviewer: obrient1

Division Assigned: Environmental Response Division

J81
SSE
1/4-1/2
0.346 mi.
1827 ft.
COMMERCIAL HEAT TREATING CO
3840 BUCHANAN SW
WYOMING, MI 49548
Site 4 of 4 in cluster J

UST U003790707
N/A

Relative:
Higher

UST:

Facility ID: 00040617

Facility Type: CLOSED

Latitude: 42.8959590000

Longitude: -85.6694410000

Owner Name: Grand Rapids Commercial Heat

Owner Address: 2199 15 Mile Rd Se

Owner City,St,Zip: Sparta, MI 49548-8556

Owner Country: USA

Owner Contact: Not reported

Owner Phone: (616) 698-3209

Contact: MR JOHN HICKEY

Contact Phone: (616) 696-3209

Date of Collection: 07-03-2006

Accuracy: 15

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMMERICAL HEAT TREATING CO (Continued)

U003790707

Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Not reported
Method of Collection: Interpolation-Map

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Gasoline
Remove Date: Feb 7 2001
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

82
SW
1/4-1/2
0.364 mi.
1924 ft.

MODERN MOLDS, INC
3831 CLAY AVE
WYOMING, MI 49508

UST U003866459
N/A

Relative:
Lower

UST:
Facility ID: 00003756
Facility Type: CLOSED
Latitude: 42.8958800000
Longitude: -85.6760450000
Owner Name: Modern Molds, Inc
Owner Address: 3831 CLAY AVE
Owner City,St,Zip: WYOMING, MI 49508
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 538-3190
Contact: T. KUSMIERSKI
Contact Phone: (616) 538-3190
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Actual:
670 ft.

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Apr 22 1972
Product: Gasoline
Remove Date: Jan 3 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MODERN MOLDS, INC (Continued)

U003866459

Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

L83
West
1/4-1/2
0.385 mi.
2031 ft.

PRO-GAS SALES & SERVICE CO
601 36TH ST SW
WYOMING, MI 49509
Site 1 of 2 in cluster L

AST A100206860
N/A

Relative:
Higher

AST:
Type: CLOSED
Owner Name: Pro-Gas Sales & Service Co
Owner Address: 0-13751 Ironwood Dr
Owner City,St,Zip: Grand Rapids, MI 49504
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (616) 677-5227
Facility ID: 92041162
District: Grand Rapids District Office
Contact: TIM MEDENDORP
Facility Phone: (616) 531-2700
Tank ID: 1
Tank Status: Removed from Premises
Capacity: 1850
Install Date: Dec 6 1982
Close Date: May 16 1995
Content: Liquid Propane Gas
Latitude: 42.8988450000
Longitude: -85.6802960000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

M84
SSE
1/4-1/2
0.403 mi.
2128 ft.

CONICAL TOOL COMPANY
3890 BUCHANAN AVENUE SW
WYOMING, MI 49548
Site 1 of 3 in cluster M

BEA S106425655
N/A

Relative:
Higher

BEA:
Secondary Address: Not reported
BEA Number: 1428
District: Grand Rapids
Date Received: 5/19/2004 12:59:00 AM
Submitter Name: Conical Real Estate, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: pawlosj2
Division Assigned: Environmental Response Division

Actual:
679 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONICAL TOOL COMPANY (Continued)

S106425655

Secondary Address: Not reported
BEA Number: 1427
District: Grand Rapids
Date Received: 5/19/2004 12:59:00 AM
Submitter Name: Cut Above Tool Company, Inc.
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: pawlosj2
Division Assigned: Environmental Response Division

**M85
SSE
1/4-1/2
0.403 mi.
2128 ft.**

**CONICAL TOLL CO
3890 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548**

**RCRA-CESQG 1004722281
FINDS MI0000264929**

Site 2 of 3 in cluster M

**Relative:
Higher**

RCRA-CESQG:

Date form received by agency: 05/02/1994

Facility name: CONICAL TOLL CO

Facility address: 3890 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

EPA ID: MI0000264929

Contact: HARRIET STANABACK

Contact address: 3890 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

Contact country: Not reported

Contact telephone: (616) 531-8500

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: STANBACK HARRIET

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONICAL TOLL CO (Continued)

1004722281

Owner/operator name: STANBACK HARRIET
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONICAL TOLL CO (Continued)

1004722281

Violation Status: No violations found

FINDS:

Registry ID: 110003564768

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.

N86
East
1/4-1/2
0.404 mi.
2132 ft.

3603 SOUTH DIVISION
GRAND RAPIDS, MI

Site 1 of 4 in cluster N

Relative:
Higher

MI PEAS:

Incident Date: 06/15/2001
Date Of PEAS Call: 06/15/2001
Complainant / Company: Cheryl w/Consumers Energy
Complainant Address: 4000 Clay Ave.
Company Involved: Cheryl w/Consumers Energy
DEQ Division Involved: ERD
Incident Description: Transformer overheated and released mineral oil onto the pavement.
Clean-up has been completed.
Description: Not reported

N87
East
1/4-1/2
0.404 mi.
2132 ft.

TIMMERS SERVICE CENTER
3600 DIVISION AVE S
GRAND RAPIDS, MI 49548

Site 2 of 4 in cluster N

Relative:
Higher

LUST:

Facility ID: 00034055
Source: STATE OF MICHIGAN
Owner Name: Charles C. Saur
Owner Address: 1415 Forrester St SE
Owner City,St,Zip: Grand Rapids, MI 49508-1427
Owner Contact: Not reported
Owner Phone: (616) 245-7552
Country: USA
District: Grand Rapids District Office
Site Name: Timmer's Service
Latitude: 42.8983610000
Longitude: -85.6650630000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT

SPILLS **S105977329**
N/A

LUST **U003867943**
UST **N/A**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIMMERS SERVICE CENTER (Continued)

U003867943

Desc Category: Plant Entrance (Freight)

Leak Number: C-1128-90
Release Date: Jun 20 1990
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00034055
Facility Type: CLOSED
Latitude: 42.8983610000
Longitude: -85.6650630000
Owner Name: Charles C. Saur
Owner Address: 1415 Forrester St SE
Owner City,St,Zip: Grand Rapids, MI 49508-1427
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 245-7552
Contact: GERALD B. TIMMER
Contact Phone: (616) 245-3688
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Not reported
Product: Gasoline
Remove Date: Jun 19 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

N88
East
1/4-1/2
0.405 mi.
2136 ft.

ENAMELITE INDUSTRIES INC
3610 DIVISION AVE S
GRAND RAPIDS, MI 49548
Site 3 of 4 in cluster N

RCRA-NonGen **1000297421**
FINDS **MID006409403**

Relative:
Higher

RCRA-NonGen:
Date form received by agency: 04/06/1983
Facility name: ENAMELITE INDUSTRIES INC
Facility address: 3610 DIVISION AVE S
GRAND RAPIDS, MI 49548
EPA ID: MID006409403
Contact: EDWARD NASH
Contact address: 3610 DIVISION AVE S
GRAND RAPIDS, MI 49548

Actual:
679 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENAMELITE INDUSTRIES INC (Continued)

1000297421

Contact country: Not reported
Contact telephone: (616) 452-1591
Contact email: Not reported
EPA Region: 05
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/03/1970
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/03/1970
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: 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENAMELITE INDUSTRIES INC (Continued)

1000297421

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
Waste type:	DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site:	No
Generated waste on-site:	No
Waste type:	MERCURY THERMOMETERS
Accumulated waste on-site:	No
Generated waste on-site:	No
Waste type:	MERCURY SWITCHES
Accumulated waste on-site:	No
Generated waste on-site:	No

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	02/02/1994
Date achieved compliance:	04/01/1994
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	02/02/1994
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	01/11/1989
Date achieved compliance:	01/24/1989
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	01/12/1989
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	LDR - General
Date violation determined:	01/11/1989
Date achieved compliance:	01/24/1989
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	01/12/1989
Enf. disposition status:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENAMELITE INDUSTRIES INC (Continued)

1000297421

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: 07/30/1987
Date achieved compliance: 09/04/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/07/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 07/30/1987
Date achieved compliance: 09/04/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/07/1987
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: 07/08/1986
Date achieved compliance: 09/10/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/08/1986
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

Evaluation Action Summary:
Evaluation date: 01/31/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/01/1994
Evaluation lead agency: State

Evaluation date: 01/11/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENAMELITE INDUSTRIES INC (Continued)

1000297421

Area of violation: Generators - General
Date achieved compliance: 01/24/1989
Evaluation lead agency: State

Evaluation date: 01/11/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 01/24/1989
Evaluation lead agency: State

Evaluation date: 02/19/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/30/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/04/1987
Evaluation lead agency: State

Evaluation date: 07/30/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 09/04/1987
Evaluation lead agency: State

Evaluation date: 07/08/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/10/1986
Evaluation lead agency: State

FINDS:

Registry ID: 110003584283

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.

N89
East
1/4-1/2
0.408 mi.
2153 ft.

RITE AID #1823
3617 DIVISION AVE S
GRAND RAPIDS, MI 49548

Site 4 of 4 in cluster N

Relative:
Higher

LUST:

Facility ID: 00039023
Source: STATE OF MICHIGAN
Owner Name: Rite Aid of Michigan
Owner Address: Po Box 3165

Actual:
680 ft.

LUST **U003329613**
UST **N/A**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID #1823 (Continued)

U003329613

Owner City,St,Zip: Harrisburg, PA 17105-3165
Owner Contact: Not reported
Owner Phone: (419) 578-2757
Country: USA
District: Grand Rapids District Office
Site Name: Rite Aid #1823
Latitude: 42.8979650000
Longitude: -85.6654180000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0302-96
Release Date: May 13 1996
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00039023
Facility Type: CLOSED
Latitude: 42.8979650000
Longitude: -85.6654180000
Owner Name: Rite Aid of Michigan
Owner Address: Po Box 3165
Owner City,St,Zip: Harrisburg, PA 17105-3165
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (419) 578-2757
Contact: KAREN SMITH
Contact Phone: (717) 731-4700
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: Not reported
Product: Gasoline
Remove Date: May 2 1996
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel,Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel,Unknown
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID #1823 (Continued)

U003329613

Tank ID: Phantom
Tank Status: Non-Registered Tank
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

90
East
1/4-1/2
0.414 mi.
2183 ft.

GODWIN HEIGHTS BODY SHOP
3622 DIVISION AVE S
GRAND RAPIDS, MI 49548

RCRA-CESQG
FINDS
MANIFEST

1004722925
MID982426744

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 12/02/1991
Facility name: GODWIN HEIGHTS BODY SHOP
Facility address: 3622 DIVISION AVE S
GRAND RAPIDS, MI 49548
EPA ID: MID982426744
Contact: MARVIN TE SLAA
Contact address: 3622 DIVISION AVE S
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 245-1231
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: ROBERT YANDER PLOEG
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/03/1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GODWIN HEIGHTS BODY SHOP (Continued)

1004722925

Owner/Op end date: Not reported

Owner/operator name: ROBERT YANDER PLOEG
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/03/1991
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GODWIN HEIGHTS BODY SHOP (Continued)

1004722925

Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

FINDS:

Registry ID: 110003629360

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.

WI MANIFEST:

Year: 04
EPA ID: MID982426744
FID: 0
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact First Name: Not reported
Contact Last Name: Not reported
Contact Title: Not reported
Contact Address: Not reported
Contact State: Not reported
Contact City: Not reported
Contact Zip: Not reported
Contact Telephone: Not reported
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -
Manifest DOC ID: Not reported
Copy Type: Not reported
Gen EPA ID: Not reported
Gen Date: Not reported
TSD Date: Not reported
TSD EPA ID: Not reported
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

WI MANIFEST TRANS: -

Mifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GODWIN HEIGHTS BODY SHOP (Continued)

1004722925

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: 07
EPA ID: MID982426744
FID: 0
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact First Name: Not reported
Contact Last Name: Not reported
Contact Title: Not reported
Contact Address: Not reported
Contact State: Not reported
Contact City: Not reported
Contact Zip: 0
Contact Telephone: 0
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -
Manifest DOC ID: Not reported
Copy Type: Not reported
Gen EPA ID: Not reported
Gen Date: Not reported
TSD Date: Not reported
TSD EPA ID: Not reported
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

WI MANIFEST TRANS: -
Mifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported
TRAN Date: Not reported

Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GODWIN HEIGHTS BODY SHOP (Continued)

1004722925

Waste LBS: Not reported

L91
West
1/4-1/2
0.419 mi.
2215 ft.

FOXCROFT APARTMENTS
636 36 N STREET
WYOMING, MI 49509

Site 2 of 2 in cluster L

FTTS
HIST FTTS
FINDS

1008154968
N/A

Relative:
Higher

FTTS INSP:

Inspection Number: 20020709FAH13 2
Region: 05
Inspection Date: 07/09/02
Inspector: PATRONIK
Violation occurred: No
Investigation Type: Lead, Section 1018, SEE
Investigation Reason: For Cause, Government
Legislation Code: TSCA
Facility Function: Landlord/Renter Facility

Actual:
676 ft.

HIST FTTS INSP:

Inspection Number: 20020709FAH13 2
Region: 05
Inspection Date: Not reported
Inspector: PATRONIK
Violation occurred: No
Investigation Type: Lead, Section 1018, SEE
Investigation Reason: For Cause, Government
Legislation Code: TSCA
Facility Function: Landlord/Renter Facility

FINDS:

Registry ID: 110020511882

Environmental Interest/Information System

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.

O92
ENE
1/4-1/2
0.433 mi.
2284 ft.

VALUE MKT EXPRESS #0476
3470 DIVISION AVE
GRAND RAPIDS, MI 49090

Site 1 of 4 in cluster O

LUST
UST

U003330586
N/A

Relative:
Higher

LUST:

Facility ID: 00012334
Source: STATE OF MICHIGAN
Owner Name: Fleming Brothers Oil Co

Actual:
679 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALUE MKT EXPRESS #0476 (Continued)

U003330586

Owner Address: 6912 109th Avenue
Owner City,St,Zip: South Haven, MI 49090-9544
Owner Contact: Not reported
Owner Phone: (616) 637-5255
Country: USA
District: Grand Rapids District Office
Site Name: Clark Store #476
Latitude: 42.9006240000
Longitude: -85.6648960000
Date of Collection: 16-04-2001
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0144-04
Release Date: Apr 15 2004
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-1158-97
Release Date: Nov 20 1997
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00012334
Facility Type: ACTIVE
Latitude: 42.9006240000
Longitude: -85.6648960000
Owner Name: Fleming Brothers Oil Co
Owner Address: 6912 109th Avenue
Owner City,St,Zip: South Haven, MI 49090-9544
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 637-5255
Contact: Eric O'Connor
Contact Phone: (616) 742-0950
Date of Collection: 16-04-2001
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: May 2 1957
Product: Gasoline
Remove Date: Nov 19 1997
Tank Release Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALUE MKT EXPRESS #0476 (Continued)

U003330586

Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: May 2 1957
Product: Gasoline
Remove Date: Nov 19 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 8000
Install Date: May 3 1971
Product: Gasoline
Remove Date: Nov 19 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: **Currently In Use**
Capacity: 12000
Install Date: Nov 21 1997
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Constr Material: Fiberglass Reinforced Plastic, Double Walled
Impressed Device: No

Tank ID: 5
Tank Status: **Currently In Use**
Capacity: 12000
Install Date: Nov 21 1997
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors, Line Tightness Testing

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALUE MKT EXPRESS #0476 (Continued)

U003330586

Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Constr Material: Fiberglass Reinforced Plastic, Double Walled
Impressed Device: No

Tank ID: Phantom
Tank Status: Non-Registered Tank
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

O93
ENE
1/4-1/2
0.433 mi.
2284 ft.

CLARK OIL CO
3470 S DIVISION AVE
GRAND RAPIDS, MI 49548

RCRA-CESQG 1000909302
FINDS MI0000858860

Site 2 of 4 in cluster O

Relative:
Higher

RCRA-CESQG:

Actual:
679 ft.

Date form received by agency: 12/31/2001
Facility name: CLARK OIL CO
Facility address: 3470 S DIVISION AVE
GRAND RAPIDS, MI 49548
EPA ID: MI0000858860
Mailing address: 3003 BUTTERFIELD ROAD
OAK BROOK, IL 60523
Contact: ERIC LARSON
Contact address: 3470 S DIVISION AVE
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (734) 669-6155
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CLARK OIL CO (Continued)

1000909302

Owner/operator name: CLARK REFINING AND MARKETING INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: CLARK RETAIL ENTERPRISES, INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/23/2003
Owner/Op end date: Not reported

Owner/operator name: CLARK RETAIL ENTERPRISES, INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/23/2003
Owner/Op end date: Not reported

Owner/operator name: CLARK REFINING AND MARKETING INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
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: Commercial status unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CLARK OIL CO (Continued)

1000909302

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 09/27/1994
Facility name: CLARK OIL CO
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110003568461

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

M94
SSE
1/4-1/2
0.434 mi.
2289 ft.

TRAVIS TRUCK & AUTO COLLISION INC
148 39TH ST SW
WYOMING, MI 49548
Site 3 of 3 in cluster M

RCRA-NonGen
FINDS
1000324433
MID985577857

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 12/31/2001

Facility name: TRAVIS TRUCK & AUTO COLLISION INC

Facility address: 148 39TH ST SW
WYOMING, MI 49548

EPA ID: MID985577857

Contact: SCOTT TRAVIS

Contact address: 148 39TH ST SW
WYOMING, MI 49548

Contact country: Not reported

Contact telephone: (616) 532-2286

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: SCOTT C TRAVIS

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 12/01/1998

Owner/Op end date: Not reported

Owner/operator name: SCOTT C TRAVIS

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 12/01/1998

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRAVIS TRUCK & AUTO COLLISION INC (Continued)

1000324433

Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 04/16/1990
Facility name: TRAVIS TRUCK & AUTO COLLISION INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110006517242

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

O95
ENE
1/4-1/2
0.436 mi.
2304 ft.
3462 SOUTH DIVISION AVENUE
3462 SOUTH DIVISION AVENUE
WYOMING, MI 49548
Site 3 of 4 in cluster O

BEA **S110055407**
N/A

Relative:
Higher

BEA:
Secondary Address: Not reported
BEA Number: 2608
District: Grand Rapids
Date Received: 11/10/2009 12:59:00 AM
Submitter Name: Swerbs Motors Inc
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: colesb
Division Assigned: Environmental Response Division

Actual:
679 ft.

P96
ESE
1/4-1/2
0.440 mi.
2326 ft.
GODWIN PLUMBING INC
3703 DIVISION AVE S
GRAND RAPIDS, MI 49548
Site 1 of 4 in cluster P

LUST **U003866750**
UST **N/A**

Relative:
Higher

LUST:
Facility ID: 00007787
Source: STATE OF MICHIGAN
Owner Name: Godwin Plumbing Inc
Owner Address: 3703 Division Ave S
Owner City,St,Zip: Grand Rapids, MI 49548-3249
Owner Contact: Not reported
Owner Phone: (616) 243-3131
Country: USA
District: Grand Rapids District Office
Site Name: Godwin Plumbing Inc
Latitude: 42.8966750000
Longitude: -85.6653740000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
679 ft.

Leak Number: C-0274-98
Release Date: Apr 15 1998
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: Jun 8 1999

UST:
Facility ID: 00007787
Facility Type: CLOSED
Latitude: 42.8966750000
Longitude: -85.6653740000
Owner Name: Godwin Plumbing Inc
Owner Address: 3703 Division Ave S
Owner City,St,Zip: Grand Rapids, MI 49548-3249

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GODWIN PLUMBING INC (Continued)

U003866750

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 243-3131
Contact: WALT DEVRIES
Contact Phone: (616) 243-3131
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Mar 27 1974
Product: Gasoline
Remove Date: Apr 14 1998
Tank Release Detection: Tank Tightness Testing
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: Yes

Tank ID: Phantom
Tank Status: Non-Registered Tank
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

O97
ENE
1/4-1/2
0.443 mi.
2338 ft.

CRYSTAL FLASH ENERGY
3449 DIVISION AVE S
GRAND RAPIDS, MI 49548

Site 4 of 4 in cluster O

AST A100172226
N/A

Relative:
Higher

AST:
Type: CLOSED
Owner Name: Crystal Flash Energy
Owner Address: 1754 Alpine Ave NW
Owner City,St,Zip: Grand Rapids, MI 49504-2810
Owner Country: USA
Owner Contact: Not reported
Owner Telephone: (616) 363-4851
Facility ID: 92041170
District: Grand Rapids District Office
Contact: AL REURINK

Actual:
679 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CRYSTAL FLASH ENERGY (Continued)

A100172226

Facility Phone: (616) 241-2925
Tank ID: 1
Tank Status: Removed from Premises
Capacity: Not reported
Install Date: Not reported
Close Date: Sep 4 1991
Content: Liquid Propane Gas
Latitude: 42.9015310000
Longitude: -85.6655780000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Crystal Flash Energy
Owner Address: 1754 Alpine Ave NW
Owner City,St,Zip: Grand Rapids, MI 49504-2810
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (616) 363-4851
Facility ID: 92041170
District: Grand Rapids District Office
Contact: AL REURINK
Facility Phone: (616) 241-2925
Tank ID: 2
Tank Status: Removed from Premises
Capacity: 1000
Install Date: Sep 4 1991
Close Date: Apr 25 2000
Content: Liquid Propane Gas
Latitude: 42.9015310000
Longitude: -85.6655780000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

Type: CLOSED
Owner Name: Crystal Flash Energy
Owner Address: 1754 Alpine Ave NW
Owner City,St,Zip: Grand Rapids, MI 49504-2810
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (616) 363-4851
Facility ID: 92041170
District: Grand Rapids District Office
Contact: AL REURINK
Facility Phone: (616) 241-2925

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CRYSTAL FLASH ENERGY (Continued)

A100172226

Tank ID: 3
Tank Status: Removed from Premises
Capacity: 1000
Install Date: Apr 27 2000
Close Date: Jan 10 2003
Content: Liquid Propane Gas
Latitude: 42.9015310000
Longitude: -85.6655780000
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Nu

**P98
ESE
1/4-1/2
0.446 mi.
2353 ft.**

**GODWIN HEIGHTS
3712 S DIVISION
WYOMING, MI 99999
Site 2 of 4 in cluster P**

**LUST U000257377
N/A**

**Relative:
Higher**

LUST:

**Actual:
679 ft.**

Facility ID: 00014553
Source: STATE OF MICHIGAN
Owner Name: OWNER ADDRESS UNKNOWN
Owner Address: Not Recorded
Owner City,St,Zip: Not Recorded, XX 99999
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Grand Rapids District Office
Site Name: Godwin Heights Service Station (
Latitude: 42.8965800000
Longitude: -85.6649960000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0262-89
Release Date: Jun 14 1989
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P99
ESE
1/4-1/2
0.446 mi.
2353 ft.

B AND R AUTOMOTIVE CENTER INC
3712 DIVISION AVE S
GRAND RAPIDS, MI 49548

RCRA-NonGen **1000529249**
FINDS **MID985616853**

Site 3 of 4 in cluster P

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 12/31/2001

Facility name: B AND R AUTOMOTIVE CENTER INC

Facility address: 3712 DIVISION AVE S
GRAND RAPIDS, MI 49548

EPA ID: MID985616853

Contact: RANDY GILLES

Contact address: 3712 DIVISION AVE S
GRAND RAPIDS, MI 49548

Contact country: Not reported

Contact telephone: (616) 245-8833

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: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/2002

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/2002

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B AND R AUTOMOTIVE CENTER INC (Continued)

1000529249

Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 06/14/1991
Facility name: B AND R AUTOMOTIVE CENTER INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110003659755

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

P100
ESE
1/4-1/2
0.446 mi.
2354 ft.

NAPA AUTO PARTS
3746 DIVISION AVE S
GRAND RAPIDS, MI 49548

Site 4 of 4 in cluster P

RCRA-NonGen
FINDS

1000465220
MID985598499

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 12/15/1995

Facility name: NAPA AUTO PARTS

Facility address: 3746 DIVISION AVE S
GRAND RAPIDS, MI 49548

EPA ID: MID985598499

Contact: MIKE BRAAT

Contact address: 3746 DIVISION AVE S
GRAND RAPIDS, MI 49548

Contact country: Not reported

Contact telephone: (616) 241-4486

Contact email: Not reported

EPA Region: 05

Land type: Private

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: GENUINE PARTS INC

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Owner/operator name: GENUINE PARTS INC

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/1970

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAPA AUTO PARTS (Continued)

1000465220

Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 11/02/1990
Facility name: NAPA AUTO PARTS
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 11/22/1995
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003647439

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAPA AUTO PARTS (Continued)

1000465220

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

101
SE
1/4-1/2
0.460 mi.
2429 ft.

MORALES AUTO BODY
100 39TH ST SW
WYOMING, MI 49548

RCRA-NonGen **1000299946**
FINDS **MID982625139**

Relative:
Higher

RCRA-NonGen:

Actual:
679 ft.

Date form received by agency: 11/17/2008
Facility name: MORALES AUTO BODY
Facility address: 100 39TH ST SW
WYOMING, MI 49548
EPA ID: MID982625139
Contact: JOSE MORALES
Contact address: 100 39TH ST SW
WYOMING, MI 49548
Contact country: Not reported
Contact telephone: (616) 726-8022
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: JOSE L MORALES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/17/2008
Owner/Op end date: Not reported

Owner/operator name: JOSE L MORALES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/17/2008
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORALES AUTO BODY (Continued)

1000299946

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

Historical Generators:

Date form received by agency: 09/02/2003
Facility name: MORALES AUTO BODY
Classification: Not a generator, verified

Date form received by agency: 04/20/1989
Facility name: MORALES AUTO BODY
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110003631703

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.

Q102
North
1/4-1/2
0.466 mi.
2462 ft.
SUN PLASTIC COATING CO
3000 HILLCROFT AVE SW
GRAND RAPIDS, MI 49548

RCRA-NonGen **1000127961**
FINDS **MID080345127**

Site 1 of 2 in cluster Q

Relative:
Equal

RCRA-NonGen:
Date form received by agency: 08/19/1980
Facility name: SUN PLASTIC COATING CO
Facility address: 3000 HILLCROFT AVE SW
GRAND RAPIDS, MI 49548

Actual:
672 ft.

EPA ID: MID080345127
Contact: GEORGE OSTERHOUT
Contact address: 3000 HILLCROFT AVE SW
GRAND RAPIDS, MI 49548

Contact country: Not reported
Contact telephone: (313) 453-0822
Contact email: Not reported

EPA Region: 05
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUN PLASTIC COATING CO (Continued)

1000127961

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/20/1980
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/20/1980
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUN PLASTIC COATING CO (Continued)

1000127961

Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 06/24/1997
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003605055

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.

R103
SSW
1/4-1/2
0.479 mi.
2527 ft.
RYDER TRUCK RENTAL
3663 CLAY AVE SW
GRAND RAPIDS, MI 49548
Site 1 of 2 in cluster R

RCRA-NonGen **1000465709**
FINDS **MID985603505**

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 12/01/2008
Facility name: RYDER TRUCK RENTAL
Facility address: 3663 CLAY AVE SW
GRAND RAPIDS, MI 49548

EPA ID: MID985603505
Contact: JAMES LADNER
Contact address: 3663 CLAY AVE SW
GRAND RAPIDS, MI 49548

Contact country: Not reported
Contact telephone: (616) 538-2800
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: RYDER TRUCK RENTAL INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RYDER TRUCK RENTAL (Continued)

1000465709

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/1990
Owner/Op end date: Not reported

Owner/operator name: RYDER TRUCK RENTAL INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/31/1990
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

Historical Generators:

Date form received by agency: 10/21/2008
Facility name: RYDER TRUCK RENTAL
Classification: Large Quantity Generator

Date form received by agency: 08/29/2002
Facility name: RYDER TRUCK RENTAL
Classification: Small Quantity Generator

Date form received by agency: 12/31/1990
Facility name: RYDER TRUCK RENTAL
Classification: Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: RYDER TRUCK RENTAL
Classification: Not a generator, verified

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RYDER TRUCK RENTAL (Continued)

1000465709

Evaluation Action Summary:

Evaluation date: 01/31/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/30/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003651539

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.

R104
SSW
1/4-1/2
0.479 mi.
2531 ft.

3940 CLAY AVENUE SW
3940 CLAY AVENUE SW
WYOMING, MI

BEA S109171379
N/A

Site 2 of 2 in cluster R

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 2325
District: Grand Rapids
Date Received: 6/27/2008 12:59:00 AM
Submitter Name: K&B Property Holdings LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: wierzbid
Division Assigned: Environmental Response Division

Actual:
688 ft.

Q105
North
1/4-1/2
0.480 mi.
2535 ft.

EMCO MILLWORK INC
3117 HILLCROFT AVE SW
GRAND RAPIDS, MI 49548

RCRA-NonGen 1000326250
FINDS MID006012884

Site 2 of 2 in cluster Q

Relative:
Equal

RCRA-NonGen:

Date form received by agency: 03/19/1996
Facility name: EMCO MILLWORK INC
Facility address: 3117 HILLCROFT AVE SW
GRAND RAPIDS, MI 49548

Actual:
672 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMCO MILLWORK INC (Continued)

1000326250

EPA ID: MID006012884
Contact: RICHARD LEMSON
Contact address: 3117 HILLCROFT AVE SW
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 452-2244
Contact email: Not reported
EPA Region: 05
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/03/1970
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/03/1970
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMCO MILLWORK INC (Continued)

1000326250

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 10/02/1989
Facility name: EMCO MILLWORK INC
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 07/11/2008
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003583186

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

S106
NE
1/4-1/2
0.491 mi.
2592 ft.
3364 SOUTH DIVISION AVENUE
3364 SOUTH DIVISION AVENUE
WYOMING, MI 49548
Site 1 of 4 in cluster S

BEA **S110055406**
N/A

Relative: BEA:
Higher Secondary Address: Not reported
BEA Number: 2609
District: Grand Rapids
Actual: Date Received: 11/10/2009 12:59:00 AM
678 ft. Submitter Name: Swerbs Motors Inc.
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: heytg
Division Assigned: Environmental Response Division

S107
NE
1/4-1/2
0.498 mi.
2627 ft.
AUTO BARN INC
3355 DIVISION AVE S
WYOMING, MI 49548
Site 2 of 4 in cluster S

FINDS **1007136624**
N/A

Relative: FINDS:
Higher Registry ID: 110015847020
Actual: Environmental Interest/Information System
678 ft. 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.

S108
NE
1/4-1/2
0.498 mi.
2627 ft.
AUTO BARN INC
3355 DIVISION AVE S
WYOMING, MI 49548
Site 3 of 4 in cluster S

RCRA-CESQG **1007097185**
MIK319411278

Relative: RCRA-CESQG:
Higher Date form received by agency: 01/30/2002
Facility name: AUTO BARN INC
Actual: Facility address: 3355 DIVISION AVE S
678 ft. WYOMING, MI 49548
EPA ID: MIK319411278
Contact: TOM JACOB
Contact address: 3355 DIVISION AVE S
WYOMING, MI 49548
Contact country: Not reported
Contact telephone: (616) 247-1106
Contact email: Not reported
EPA Region: 05
Land type: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO BARN INC (Continued)

1007097185

Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: AUTO BARN INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/29/2002
Owner/Op end date: Not reported

Owner/operator name: H & H MGMT
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/29/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: 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: Commercial status unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO BARN INC (Continued)

1007097185

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 09/06/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

S109
NE
1/2-1
0.503 mi.
2655 ft.

FOX MOTOR GROUP LLC DBA FOX SAAB
3340 DIVISION AVE S
WYOMING, MI 49548

Site 4 of 4 in cluster S

RCRA-NonGen **1004722899**
FINDS **MID982204604**
LUST
UST

Relative:
Higher

RCRA-NonGen:
Date form received by agency: 07/10/2001
Facility name: FOX MOTOR GROUP LLC DBA FOX SAAB
Facility address: 3340 DIVISION AVE S
WYOMING, MI 49548
EPA ID: MID982204604
Contact: JOSEPH NIEWIEK
Contact address: 3340 DIVISION AVE S
WYOMING, MI 49548
Contact country: Not reported
Contact telephone: (616) 241-5623
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator

Actual:
678 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOX MOTOR GROUP LLC DBA FOX SAAB (Continued)

1004722899

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/18/2001
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/18/2001
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: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOX MOTOR GROUP LLC DBA FOX SAAB (Continued)

1004722899

Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 06/08/1987
Facility name: FOX MOTOR GROUP LLC DBA FOX SAAB
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110003627754

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.

LUST:

Facility ID: 00002507
Source: STATE OF MICHIGAN
Owner Name: Green Castle Properties LLC
Owner Address: 200 Ottawa Avenue NW
Owner City,St,Zip: Grand Rapids, MI 49503
Owner Contact: Not reported
Owner Phone: (616) 774-4044
Country: USA
District: Grand Rapids District Office
Site Name: Fox Motor Group Llc
Latitude: 42.9032260000
Longitude: -85.6652670000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0831-00
Release Date: Oct 6 2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOX MOTOR GROUP LLC DBA FOX SAAB (Continued)

1004722899

Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00002507
Facility Type: CLOSED
Latitude: 42.9032260000
Longitude: -85.6652670000
Owner Name: Green Castle Properties LLC
Owner Address: 200 Ottawa Avenue NW
Owner City,St,Zip: Grand Rapids, MI 49503
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 774-4044
Contact: JOE NIEWICK
Contact Phone: (616) 241-5623
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 500
Install Date: Jun 23 1972
Product: Used Oil
Remove Date: Oct 20 1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Gravity Fed?
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 250
Install Date: Not reported
Product: Used Oil
Remove Date: Oct 6 2000
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: Phantom
Tank Status: **Non-Registered Tank**
Capacity: Not reported
Install Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOX MOTOR GROUP LLC DBA FOX SAAB (Continued)

1004722899

Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

110
West
1/2-1
0.507 mi.
2675 ft.

PILGRIM CLEANERS
725 36TH ST SW
GRAND RAPIDS, MI 49509

RCRA-NonGen **1000375068**
FINDS **MID020884854**

Relative:
Higher

RCRA-NonGen:
Date form received by agency: 10/23/1986
Facility name: PILGRIM CLEANERS
Facility address: 725 36TH ST SW
GRAND RAPIDS, MI 49509
EPA ID: MID020884854
Contact: HENRY ROMEYN
Contact address: 725 36TH ST SW
GRAND RAPIDS, MI 49509
Contact country: Not reported
Contact telephone: (616) 532-5868
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
680 ft.

Owner/Operator Summary:

Owner/operator name: ROWE MANAGEMENT CO INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/19/1994
Owner/Op end date: Not reported

Owner/operator name: ROWE MANAGEMENT CO INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/19/1994
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PILGRIM CLEANERS (Continued)

1000375068

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: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

FINDS:

Registry ID: 110003591355

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

111
SE
1/2-1
0.511 mi.
2696 ft.

JIM WILLIAMS MOTEL
3821 DIVISION AVE S
GRAND RAPIDS, MI 49548

RCRA-NonGen **1007100533**
MIK845298397

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 05/16/2001

Facility name: JIM WILLIAMS MOTEL

Facility address: 3821 DIVISION AVE S
GRAND RAPIDS, MI 49548

EPA ID: MIK845298397

Contact: RAJ PATEL

Contact address: 3821 DIVISION AVE S
GRAND RAPIDS, MI 49548

Contact country: Not reported

Contact telephone: (616) 241-5461

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: JIM WILLIAMS MOTEL

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 05/16/2001

Owner/Op end date: Not reported

Owner/operator name: JIM WILLIAMS MOTEL

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 05/16/2001

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIM WILLIAMS MOTEL (Continued)

1007100533

Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

T112
North
1/2-1
0.512 mi.
2703 ft.

METAL SOURCE
440 32ND ST SW
WYOMING, MI 60633

Site 1 of 2 in cluster T

UST U003329161
N/A

Relative:
Lower

Actual:
661 ft.

UST:

Facility ID: 00033195
Facility Type: CLOSED
Latitude: 42.9057640000
Longitude: -85.6756240000
Owner Name: US Steel Supply
Owner Address: 13535 S Torrence
Owner City,St,Zip: Chicago, IL 60633
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (312) 646-3211
Contact: DAVID POTTS
Contact Phone: (616) 241-4425
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METAL SOURCE (Continued)

U003329161

Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 002
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Diesel
Remove Date: Jan 2 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 003
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: Not reported
Product: COOLANT
Remove Date: Jan 2 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Concrete
Impressed Device: No

Tank ID: 005
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: Not reported
Product: COOLANT
Remove Date: Jan 2 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Concrete
Impressed Device: No

Tank ID: 004
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: Not reported
Product: COOLANT
Remove Date: Jan 2 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Concrete

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METAL SOURCE (Continued)

U003329161

Impressed Device: No

Tank ID: 001

Tank Status: Removed from Ground

Capacity: 1000

Install Date: Not reported

Product: Diesel

Remove Date: Jan 2 1990

Tank Release Detection: Not reported

Pipe Release Detection: Not reported

Piping Material: Galvanized Steel

Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

T113
NNW
1/2-1
0.515 mi.
2718 ft.

AMERICAN METAL AND PLASTICS INC
450 32ND ST SW
GRAND RAPIDS, MI 49548

RCRA-CESQG
FINDS

1000359454
MID004950846

Site 2 of 2 in cluster T

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 04/29/2003

Facility name: AMERICAN METAL AND PLASTICS INC

Facility address: 450 32ND ST SW
GRAND RAPIDS, MI 49548

EPA ID: MID004950846

Contact: JONAH BRYANT

Contact address: 450 32ND ST SW
GRAND RAPIDS, MI 49548

Contact country: Not reported

Contact telephone: (616) 452-6061

Contact email: Not reported

EPA Region: 05

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: COOK THOMAS M

Owner/operator address: Not reported

Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN METAL AND PLASTICS INC (Continued)

1000359454

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: COOK THOMAS M
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN METAL AND PLASTICS INC (Continued)

1000359454

Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 12/31/2002
Facility name: AMERICAN METAL AND PLASTICS INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/27/1988
Facility name: AMERICAN METAL AND PLASTICS INC
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/21/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/08/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003578209

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.

114
NE
1/2-1
0.524 mi.
2769 ft.

**SPEEDWAY #3571
3315 DIVISION AVE S
WYOMING, MI 49548**

**LUST U003867027
UST N/A**

**Relative:
Higher**

LUST:

**Actual:
678 ft.**

Facility ID: 00011072
Source: STATE OF MICHIGAN
Owner Name: Speedway SuperAmerica LLC
Owner Address: PO Box 1500
Owner City, St, Zip: Springfield, OH 45501-1500
Owner Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #3571 (Continued)

U003867027

Owner Phone: (937) 864-3000
Country: USA
District: Grand Rapids District Office
Site Name: Crystal Flash-s. Division
Latitude: 42.9038430000
Longitude: -85.6660490000
Date of Collection: 16-04-2001
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1915-90
Release Date: Sep 28 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Aug 27 1998

UST:

Facility ID: 00011072
Facility Type: ACTIVE
Latitude: 42.9038430000
Longitude: -85.6660490000
Owner Name: Speedway SuperAmerica LLC
Owner Address: PO Box 1500
Owner City,St,Zip: Springfield, OH 45501-1500
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (937) 864-3000
Contact: Sean Cole
Contact Phone: (616) 452-1933
Date of Collection: 16-04-2001
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: **Currently In Use**
Capacity: 12000
Install Date: Nov 1 1990
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: ATG, Inventory Control, Automatic Tank Gauging
Pipe Release Detection: ALLD, Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Constr Material: CLAD, Composite (Steel with Fiberglass)
Impressed Device: No

Tank ID: 3
Tank Status: **Currently In Use**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #3571 (Continued)

U003867027

Capacity: 10000
Install Date: Nov 1 1990
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Inventory Control, Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Constr Material: Composite (Steel with Fiberglass)
Impressed Device: No

Tank ID: 2
Tank Status: Currently In Use
Capacity: 10000
Install Date: Nov 1 1990
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: ATG, Inventory Control, Automatic Tank Gauging
Pipe Realease Detection: ALLD, Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Constr Material: Composite (Steel with Fiberglass)
Impressed Device: No

Tank ID: 1401
Tank Status: Removed from Ground
Capacity: 12000
Install Date: May 7 1974
Product: Gasoline
Remove Date: Oct 30 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1403
Tank Status: Removed from Ground
Capacity: 6000
Install Date: May 7 1966
Product: Gasoline
Remove Date: Oct 30 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Currently In Use
Capacity: 4000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #3571 (Continued)

U003867027

Install Date: May 7 1985
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Inventory Control, Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Constr Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 1404
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: May 7 1984
Product: Gasoline
Remove Date: Oct 30 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel,Cathodically Protected
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

U115
SSW
1/2-1
0.544 mi.
2874 ft.

GRAND RAPIDS SERVICE CENTER
4000 CLAY AVE
WYOMING, MI 49201

Site 1 of 2 in cluster U

LUST **U000257428**
UST **N/A**

Relative:
Higher

Actual:
689 ft.

LUST:
Facility ID: 00017429
Source: STATE OF MICHIGAN
Owner Name: Consumers Energy Co
Owner Address: 1945 W Parnall Rd P-24-501A
Owner City,St,Zip: Jackson, MI 49201
Owner Contact: Robert Newman
Owner Phone: (517) 788-0350
Country: USA
District: Grand Rapids District Office
Site Name: Consumers Power- Ser.center - G.
Latitude: 42.8894130000
Longitude: -85.6764780000
Date of Collection: 19-10-2001
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0577-94
Release Date: Jun 9 1994
Substance Released: Other
Release Status: Closed
Release Closed Date: Jan 20 1995

Leak Number: C-1037-90

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAND RAPIDS SERVICE CENTER (Continued)

U000257428

Release Date: Jun 11 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Jun 15 1993

Leak Number: C-1363-01
Release Date: Nov 2 2001
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: Feb 7 2002

Leak Number: C-1423-92
Release Date: Aug 24 1992
Substance Released: Used Oil
Release Status: Closed
Release Closed Date: Dec 4 1992

Leak Number: C-2735-90
Release Date: Dec 18 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Dec 20 1991

UST:

Facility ID: 00017429
Facility Type: CLOSED
Latitude: 42.8894130000
Longitude: -85.6764780000
Owner Name: Consumers Energy Co
Owner Address: 1945 W Parnall Rd P-24-501A
Owner City,St,Zip: Jackson, MI 49201
Owner Country: USA
Owner Contact: Robert Newman
Owner Phone: (517) 788-0350
Contact: ROBERT G NEUMANN
Contact Phone: 517-788-0350
Date of Collection: 19-10-2001
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 15000
Install Date: Apr 24 1967
Product: Gasoline
Remove Date: Oct 18 2001
Tank Release Detection: Automatic Tank Gauging,Tank Tightness Testing
Pipe Release Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled
Piping,Line Tightness Testing
Piping Material: Double Walled,Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel,Lined Interior
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAND RAPIDS SERVICE CENTER (Continued)

U000257428

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 500
Install Date: Apr 24 1967
Product: Used Oil
Remove Date: Aug 19 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Cathodically Protected
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 500
Install Date: Apr 24 1967
Product: Used Oil
Remove Date: Aug 19 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Cathodically Protected
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: Apr 23 1980
Product: Diesel
Remove Date: Oct 18 2001
Tank Release Detection: Automatic Tank Gauging,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled
Piping,Line Tightness Testing
Piping Material: Double Walled,Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 5
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: Apr 23 1976
Product: USED TRANS OIL
Remove Date: Aug 17 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Cathodically Protected
Piping Type: Gravity Fed?
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAND RAPIDS SERVICE CENTER (Continued)

U000257428

Tank ID: 6
Tank Status: **Removed from Ground**
Capacity: 1200
Install Date: Apr 24 1967
Product: Diesel
Remove Date: Oct 25 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel,Cathodically Protected
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 7
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: Apr 23 1980
Product: TRANS OIL
Remove Date: Oct 12 1994
Tank Release Detection: Automatic Tank Gauging,Tank Tightness Testing
Pipe Release Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled
Piping,Line Tightness Testing
Piping Material: Double Walled,Fiberglass reinforced plastic,Secondary Containment
Piping Type: Gravity Fed?,Pressure
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 8
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: Apr 23 1980
Product: TRANS OIL
Remove Date: Oct 13 1994
Tank Release Detection: Automatic Tank Gauging,Tank Tightness Testing
Pipe Release Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled
Piping,Line Tightness Testing
Piping Material: Double Walled,Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 9
Tank Status: **Removed from Ground**
Capacity: 500
Install Date: Apr 24 1967
Product: Kerosene
Remove Date: Sep 30 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel,Cathodically Protected
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAND RAPIDS SERVICE CENTER (Continued)

U000257428

Tank ID: Phantom
Tank Status: Non-Registered Tank
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

U116
SSW
1/2-1
0.544 mi.
2874 ft.

CONSUMERS ENERGY CO
4000 CLAY AVE SW
GRAND RAPIDS, MI 49548

RCRA-CESQG
FINDS
MANIFEST

1000390278
MID079297453

Site 2 of 2 in cluster U

Relative:
Higher

RCRA-CESQG:

Actual:
689 ft.

Date form received by agency: 03/12/2009
Facility name: CONSUMERS ENERGY CO
Facility address: 4000 CLAY AVE SW
GRAND RAPIDS, MI 49548
EPA ID: MID079297453
Mailing address: 1945 W PARNALL RD
JACKSON, MI 49201
Contact: PATRICK ZOMBO
Contact address: 4000 CLAY AVE SW
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (517) 788-0647
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: CONSUMERS ENERGY CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSUMERS ENERGY CO (Continued)

1000390278

Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: CONSUMERS ENERGY CO
Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
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

Historical Generators:

Date form received by agency: 07/28/2008
Facility name: CONSUMERS ENERGY CO
Classification: Small Quantity Generator

Date form received by agency: 09/30/2006
Facility name: CONSUMERS ENERGY CO
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/30/2005
Facility name: CONSUMERS ENERGY CO
Classification: Small Quantity Generator

Date form received by agency: 04/17/2003
Facility name: CONSUMERS ENERGY CO
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/31/2001
Facility name: CONSUMERS ENERGY CO
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/14/1998
Facility name: CONSUMERS ENERGY CO
Site name: CONSUMERS ENERGY CO., GRAND RAPIDS SERVI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSUMERS ENERGY CO (Continued)

1000390278

Classification: Large Quantity Generator

Date form received by agency: 12/15/1993

Facility name: CONSUMERS ENERGY CO

Classification: Small Quantity Generator

Date form received by agency: 08/12/1985

Facility name: CONSUMERS ENERGY CO

Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110003604939

Environmental Interest/Information System

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.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: MID079297453

Country: USA

Mailing Name: CONSUMERS POWER COPANY-GRAND RAPIDS

Mailing Contact: CONSUMERS POWER COPANY-GRAND RAPIDS

Mailing Address: SERVICE CTR - 4000 CLAY AVE SW

Mailing Address 2: Not reported

Mailing City: GRAND RAPIDS

Mailing State: MI

Mailing Zip: 49508

Mailing Zip4: Not reported

Mailing Country: USA

Mailing Phone: 616-538-7000

Document ID: NYA5912874

Manifest Status: Completed copy

Trans1 State ID: 12418NMI

Trans2 State ID: Not reported

Generator Ship Date: 870618

Trans1 Recv Date: 870618

Trans2 Recv Date: Not reported

TSD Site Recv Date: 870629

Part A Recv Date: 870625

Part B Recv Date: 870707

Generator EPA ID: MID079297453

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSUMERS ENERGY CO (Continued)

1000390278

Trans1 EPA ID: MID072790710
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00015
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 87
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

V117
SE
1/2-1
0.556 mi.
2934 ft.

MR EASY CLEANERS
3887 DIVISION AVE S
GRAND RAPIDS, MI 49548

RCRA-CESQG
FINDS

1000200269
MID049246374

Relative:
Higher

RCRA-CESQG:

Actual:
678 ft.

Date form received by agency: 12/21/1995
Facility name: MR EASY CLEANERS
Facility address: 3887 DIVISION AVE S
GRAND RAPIDS, MI 49548
EPA ID: MID049246374
Contact: DONNA KIMBLE
Contact address: 3887 DIVISION AVE S
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 534-3110
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MR EASY CLEANERS (Continued)

1000200269

hazardous waste

Owner/Operator Summary:

Owner/operator name: HARRP CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/02/1986
Owner/Op end date: Not reported

Owner/operator name: HARRP CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/02/1986
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: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MR EASY CLEANERS (Continued)

1000200269

Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 09/02/1986
Facility name: MR EASY CLEANERS
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 12/08/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003595440

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.

V118 **3887 S. DIVISION AVE**
SE **3887 S. DIVISION**
1/2-1 **WYOMING, MI 49548**
0.562 mi.
2970 ft. **Site 2 of 5 in cluster V**

SHWS **S108632572**
 N/A

Relative:
Higher

SHWS:
Facility ID: 41001048
Facility Status: Inactive - no actions taken to address contamination
Source: Not reported
SAM Score: 31
SAM Score Date: 5/2/2007
Township: 6N
Range: 12W
Section: 24
Quarter: NE

Actual:
678 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

3887 S. DIVISION AVE (Continued)

S108632572

Quarter/Quarter: SE
Pollutants: PCE

**W119
NNW
1/2-1
0.573 mi.
3027 ft.**

**ETNA SUPPLY CO
529 32ND ST
WYOMING, MI 49508

Site 1 of 2 in cluster W**

**LUST U003327885
UST N/A**

**Relative:
Higher**

LUST:

**Actual:
681 ft.**

Facility ID: 00005170
Source: STATE OF MICHIGAN
Owner Name: Potgeter Rental Property
Owner Address: 529 32ND ST
Owner City,St,Zip: WYOMING, MI 49508
Owner Contact: Not reported
Owner Phone: (616) 241-5414
Country: USA
District: Grand Rapids District Office
Site Name: Potgeter Rental Property
Latitude: 42.9061230000
Longitude: -85.6792430000
Date of Collection: 10-05-2004
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-2200-92
Release Date: Dec 14 1992
Substance Released: Diesel,Gasoline
Release Status: Closed
Release Closed Date: Sep 24 1996

UST:

Facility ID: 00005170
Facility Type: CLOSED
Latitude: 42.9061230000
Longitude: -85.6792430000
Owner Name: Potgeter Rental Property
Owner Address: 529 32ND ST
Owner City,St,Zip: WYOMING, MI 49508
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 241-5414
Contact: RUSSELL VISNER
Contact Phone: (616) 241-5414
Date of Collection: 10-05-2004
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ETNA SUPPLY CO (Continued)

U003327885

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 2000
Install Date: Apr 15 1980
Product: Diesel
Remove Date: Dec 14 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 1500
Install Date: Apr 15 1980
Product: Gasoline
Remove Date: Dec 14 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: Phantom
Tank Status: Non-Registered Tank
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

W120
NNW
1/2-1
0.576 mi.
3039 ft.

M & E MANUFACTURING INC
530 32ND ST SE
GRAND RAPIDS, MI 49548

RCRA-NonGen 1000866205
FINDS MID985663533

Site 2 of 2 in cluster W

Relative:
Higher

RCRA-NonGen:
Date form received by agency: 08/14/2002
Facility name: M & E MANUFACTURING INC
Facility address: 530 32ND ST SE
GRAND RAPIDS, MI 49548
EPA ID: MID985663533
Contact: MIKE MAC FARLANE
Contact address: 530 32ND ST SE
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 241-2001

Actual:
681 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M & E MANUFACTURING INC (Continued)

1000866205

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: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/15/2002
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/15/2002
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M & E MANUFACTURING INC (Continued)

1000866205

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 12/31/2001
Facility name: M & E MANUFACTURING INC
Classification: Not a generator, verified

Date form received by agency: 06/29/1993
Facility name: M & E MANUFACTURING INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110003683880

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.

V121
SE
1/2-1
0.580 mi.
3062 ft.
DWAR OIL CO
3910 DIVISION AVE S
GRAND RAPIDS, MI 49548
Site 3 of 5 in cluster V

LUST **U003328541**
UST **N/A**

Relative:
Higher

LUST:

Actual:
678 ft.

Facility ID: 00013770
Source: STATE OF MICHIGAN
Owner Name: Dwar Oil Co
Owner Address: PO Box 146
Owner City,St,Zip: Martin, MI 49070-0146
Owner Contact: Not reported
Owner Phone: (616) 458-8243
Country: USA
District: Grand Rapids District Office
Site Name: Dwar Oil Co
Latitude: 42.8924250000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DWAR OIL CO (Continued)

U003328541

Longitude: -85.6648400000
Date of Collection: 01-12-1998
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0596-98
Release Date: Jul 8 1998
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00013770
Facility Type: CLOSED
Latitude: 42.8924250000
Longitude: -85.6648400000
Owner Name: Dwar Oil Co
Owner Address: PO Box 146
Owner City,St,Zip: Martin, MI 49070-0146
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 458-8243
Contact: MR RON VANDENBERG
Contact Phone: (616) 458-8243
Date of Collection: 01-12-1998
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: May 7 1971
Product: Gasoline
Remove Date: Oct 14 1999
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: May 7 1971
Product: Gasoline
Remove Date: Oct 14 1999
Tank Release Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DWAR OIL CO (Continued)

U003328541

Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 4000
Install Date: May 7 1971
Product: Gasoline
Remove Date: Oct 14 1999
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 4000
Install Date: May 7 1971
Product: Kerosene
Remove Date: Oct 14 1999
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 4000
Install Date: May 7 1971
Product: Diesel
Remove Date: Oct 14 1999
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 4000
Install Date: May 7 1971
Product: Diesel
Remove Date: Oct 14 1999
Tank Release Detection: Not reported
Pipe Release Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DWAR OIL CO (Continued)

U003328541

Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: Removed from Ground
Capacity: 2000
Install Date: May 7 1971
Product: Diesel
Remove Date: Oct 14 1999
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 8
Tank Status: Removed from Ground
Capacity: 1000
Install Date: May 7 1971
Product: Used Oil
Remove Date: Oct 14 1999
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: Phantom
Tank Status: Non-Registered Tank
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

V122
SE
1/2-1
0.580 mi.
3062 ft.

DWAR OIL CO
3910 DIVISION AVE S
WYOMING, MI 49548
Site 4 of 5 in cluster V

SHWS S109029639
N/A

Relative:
Higher

SHWS:
Facility ID: 41000977
Facility Status: See Leaking Underground Storage Tank Site Database
Source: Not reported
SAM Score: 35

Actual:
678 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DWAR OIL CO (Continued)

S109029639

SAM Score Date: 8/29/2006
Township: 6N
Range: 11W
Section: 19
Quarter: NW
Quarter/Quarter: SW
Pollutants: 1,2,4 TMB; 1,3,5 TMB; Benzene; Benzo(a)pyrene; Ethylbenzene; MTBE;
Naphthalene; Xylenes; n-Propylbenzene

**V123
SE
1/2-1
0.580 mi.
3062 ft.**

**DWAR OIL CO.
3910 DIVISION AVE S
GRAND RAPIDS, MI
Site 5 of 5 in cluster V**

**BROWNFIELDS S107135986
N/A**

**Relative:
Higher**

BROWNFIELD:

Facility ID: 00013770
Region: 1
Status: Monitoring
Property Use: Not reported
BEA: No
Ernie Id Number: 41000977
Redevelop Status: Not reported
Before Redevelopment: <images/13770 before 1.jpg> target=photoviewer>Photo
After Redevelopment: Not reported

**Actual:
678 ft.**

**X124
West
1/2-1
0.591 mi.
3119 ft.**

**THRIFTY PETROLEUM - CLYDE PARK
3600 CLYDE PARK AVE., SW
WYOMING, MI 49509
Site 1 of 3 in cluster X**

**AUL S108986944
N/A**

**Relative:
Higher**

AUL:

Status: Pending
Site Name: Not reported
Property: 3600 Clyde Park Ave., SW, Wyoming
Land Use Restriction Type: RC
Program Type: Part 213
Program Support Assigned User: Not reported
Program Support Assigned Date: Not reported
Legal Description Of Property: Not reported
Based On The Deq Ref #: 11121308019
MDEQ Reference Number: RC-RRD-213-08-019
Property Or Description Restricted Area: Not reported
Lead Division: RRD
File Name Of Hyperlinked Legal Doc: Not reported
Mapped Polygon S Area In Acres: Not reported
Mapped Polygon S Area In Square Miles: Not reported
Date Data Entry Started: Not reported
Date Data Entry Finished: Not reported
Individual Or Staff Assoc With The Mapping: Not reported
Program Used To Map Restricted Features: Not reported
Map Comments: Not reported
Comment: 2/8/08, QC requested reference number.
Date Legal Paperwork Stamped/Filed/Register Of Deeds: Not reported
Commercial I Land Use Restriction: 0

**Actual:
681 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY PETROLEUM - CLYDE PARK (Continued)

S108986944

Commercial Ii Land Use Restriction: 0
Commercial Iii Land Use Restriction: 0
Commercial Iv Land Use Restriction: 0
Industrial Land Use Restriction: 0
Residential Land Use Restriction: 0
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 0
Groundwater Consumption Restrictions: 0
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 0
Soil Movement Requirements: 0
There Is A Restriction On All Construction: 0
Monitoring Well Protected, No Tampering Or Removal: 0
There Is An Exposure Barrier In Place: 0
There Is A Health And Safety Plan: 0
There Is A Permanent Marker On The Site: 0

X125 SDP CORP
West 3600 CLYDE PARK AVE SW
1/2-1 WYOMING, MI 49509
0.591 mi.
3119 ft. Site 2 of 3 in cluster X

LUST U000257353
UST N/A

Relative:
Higher

LUST:

Actual:
681 ft.

Facility ID: 00004192
Source: STATE OF MICHIGAN
Owner Name: Sdp Corporation
Owner Address: 3600 Clyde Park Ave SW
Owner City,St,Zip: Wyoming, MI 49509-4024
Owner Contact: Not reported
Owner Phone: (616) 532-7431
Country: USA
District: Grand Rapids District Office
Site Name: Thrifty Petroleum-clyde Park/36t
Latitude: 42.8985700000
Longitude: -85.6845300000
Date of Collection: 19-04-2001
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0149-90
Release Date: Jan 23 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: May 29 2008

UST:

Facility ID: 00004192
Facility Type: ACTIVE
Latitude: 42.8985700000
Longitude: -85.6845300000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SDP CORP (Continued)

U000257353

Owner Name: Sdp Corporation
Owner Address: 3600 Clyde Park Ave SW
Owner City,St,Zip: Wyoming, MI 49509-4024
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 532-7431
Contact: PAVAN OR DALVAR
Contact Phone: (616) 522-7431
Date of Collection: 19-04-2001
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 2500
Install Date: Apr 16 1976
Product: Gasoline
Remove Date: Nov 11 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: **Currently In Use**
Capacity: 12000
Install Date: Nov 15 1990
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Cathodically Protected Steel,Epoxy Coated Steel
Impressed Device: No

Tank ID: 8
Tank Status: **Currently In Use**
Capacity: 10000
Install Date: Nov 15 1990
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Cathodically Protected Steel,Epoxy Coated Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SDP CORP (Continued)

U000257353

Tank ID: 5
Tank Status: **Removed from Ground**
Capacity: 5000
Install Date: Apr 16 1976
Product: Gasoline
Remove Date: Nov 11 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 9
Tank Status: **Currently In Use**
Capacity: 4000
Install Date: Nov 15 1990
Product: Gasohol
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Cathodically Protected Steel,Epoxy Coated Steel
Impressed Device: No

Tank ID: 10
Tank Status: **Currently In Use**
Capacity: 4000
Install Date: Nov 15 1990
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Cathodically Protected Steel,Epoxy Coated Steel
Impressed Device: No

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 1000
Install Date: Apr 16 1976
Product: Kerosene
Remove Date: Nov 11 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SDP CORP (Continued)

U000257353

Tank Status: Removed from Ground
Capacity: 4000
Install Date: Apr 16 1976
Product: Gasoline
Remove Date: Nov 11 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Apr 16 1976
Product: Gasoline
Remove Date: Nov 11 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Currently In Use
Capacity: 12000
Install Date: Nov 15 1990
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Cathodically Protected Steel,Epoxy Coated Steel
Impressed Device: No

Tank ID: 11
Tank Status: Currently In Use
Capacity: 4000
Install Date: Nov 15 1990
Product: Kerosene
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Cathodically Protected Steel,Epoxy Coated Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

126
West
1/2-1
0.592 mi.
3126 ft.

DAVID DEYOUNG INC
3662 CLYDE PARK AVE SW
WYOMING, MI 49509

RCRA-CESQG
FINDS

1000343323
MID985572965

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 04/24/2007

Facility name: DAVID DEYOUNG INC

Facility address: 3662 CLYDE PARK AVE SW
WYOMING, MI 49509

EPA ID: MID985572965

Contact: DAVID DEYOUNG

Contact address: 3662 CLYDE PARK AVE SW
WYOMING, MI 49509

Contact country: Not reported

Contact telephone: (616) 534-1142

Contact email: Not reported

EPA Region: 05

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: DAVID DEYOUNG INC

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 10/16/1989

Owner/Op end date: Not reported

Owner/operator name: DAVID DEYOUNG INC

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 10/16/1989

Owner/Op end date: Not reported

Handler Activities Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DAVID DEYOUNG INC (Continued)

1000343323

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 10/16/1989
Facility name: DAVID DEYOUNG INC
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 04/24/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DAVID DEYOUNG INC (Continued)

1000343323

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/12/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110006517126

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.

**Y127
NE
1/2-1
0.600 mi.
3166 ft.**

**ADMIRAL PETROLEUM #23
3221 S DIVISION
WYOMING, MI 49404**

Site 1 of 2 in cluster Y

**LUST U003330516
UST N/A**

**Relative:
Higher**

LUST:

Facility ID: 00005993
Source: STATE OF MICHIGAN
Owner Name: Admiral Petroleum Co
Owner Address: 13 E Randall St
Owner City,St,Zip: Coopersville, MI 49404-1422
Owner Contact: Not reported
Owner Phone: (616) 837-6218
Country: USA
District: Grand Rapids District Office
Site Name: Action Auto #57
Latitude: 42.9054900000
Longitude: -85.6658830000
Date of Collection: 02-08-2001
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0541-92
Release Date: Apr 7 1992
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00005993
Facility Type: ACTIVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADMIRAL PETROLEUM #23 (Continued)

U003330516

Latitude: 42.9054900000
Longitude: -85.6658830000
Owner Name: Admiral Petroleum Co
Owner Address: 13 E Randall St
Owner City,St,Zip: Coopersville, MI 49404-1422
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 837-6218
Contact: Dennis Lemmen
Contact Phone: (616) 837-6218
Date of Collection: 02-08-2001
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: **Currently In Use**
Capacity: 10000
Install Date: May 6 1987
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Inventory Control,Manual Tank Gauging,Vapor Monitoring
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 2
Tank Status: **Currently In Use**
Capacity: 8000
Install Date: May 6 1987
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Inventory Control,Manual Tank Gauging,Vapor Monitoring
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 3
Tank Status: **Currently In Use**
Capacity: 8000
Install Date: May 6 1987
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Inventory Control,Manual Tank Gauging,Vapor Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADMIRAL PETROLEUM #23 (Continued)

U003330516

Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 4
Tank Status: Currently In Use
Capacity: 6000
Install Date: May 6 1987
Product: Kerosene
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Inter Monitoring/Second Containment, Inventory Control, Manual Tank Gauging, Vapor Monitoring
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 5
Tank Status: Currently In Use
Capacity: 6000
Install Date: May 6 1987
Product: Kerosene
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Inventory Control, Manual Tank Gauging, Vapor Monitoring
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 1000
Install Date: May 6 1987
Product: Used Oil
Remove Date: Jul 19 1995
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Cathodically Protected, Fiberglass reinforced plastic, Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 7
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Jun 1 1988
Product: BULK OIL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADMIRAL PETROLEUM #23 (Continued)

U003330516

Remove Date: Jul 19 1995
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure,Suction: No Valve At Tank
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: Phantom
Tank Status: Non-Registered Tank
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

Y128
NE
1/2-1
0.600 mi.
3166 ft.

ACTION AUTO STORE
3221 DIVISION AVE S
WYOMING, MI 49548
Site 2 of 2 in cluster Y

RCRA-NonGen **1000828536**
FINDS **MID985656073**

Relative:
Higher

RCRA-NonGen:

Actual:
680 ft.

Date form received by agency: 09/15/1995
Facility name: ACTION AUTO STORE
Facility address: 3221 DIVISION AVE S
WYOMING, MI 49548
EPA ID: MID985656073
Mailing address: 1 WOODWARD AVE
DETROIT, MI 48226
Contact: JEFFREY CHIMOVITZ
Contact address: 3221 DIVISION AVE S
WYOMING, MI 49548
Contact country: Not reported
Contact telephone: (313) 961-8380
Contact email: Not reported
EPA Region: 05
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/16/1995
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACTION AUTO STORE (Continued)

1000828536

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/16/1995
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACTION AUTO STORE (Continued)

1000828536

Historical Generators:

Date form received by agency: 01/14/1993
Facility name: ACTION AUTO STORE
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 09/13/1995
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003678529

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.

X129
West
1/2-1
0.600 mi.
3167 ft.

CVS CLYDE PARK INC/MICHIGAN CORP
3601 CLYDE PARK AVE SW
WYOMING, MI 49509

Site 3 of 3 in cluster X

LUST U003758863
UST N/A

Relative:
Higher

LUST:

Actual:
681 ft.

Facility ID: 00040405
Source: STATE OF MICHIGAN
Owner Name: CVS 8141 Michigan LLC
Owner Address: One Cvs Drive
Owner City,St,Zip: Woonsocket, RI 02875
Owner Contact: Not reported
Owner Phone: (330) 487-6965
Country: USA
District: Grand Rapids District Office
Site Name: Cvs Clyde Park Inc/michigan Corp
Latitude: 42.8985710000
Longitude: -85.6857710000
Date of Collection: 10-05-2004
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0695-00
Release Date: Jul 28 2000
Substance Released: Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS CLYDE PARK INC/MICHIGAN CORP (Continued)

U003758863

Release Status: Open
Release Closed Date: Not reported

Leak Number: C-4032-85
Release Date: Aug 12 1988
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00040405
Facility Type: CLOSED
Latitude: 42.8985710000
Longitude: -85.6857710000
Owner Name: CVS 8141 Michigan LLC
Owner Address: One Cvs Drive
Owner City,St,Zip: Woonsocket, RI 02875
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (330) 487-6965
Contact: BRATT SHONFF
Contact Phone: (734) 994-4000
Date of Collection: 10-05-2004
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 500
Install Date: Not reported
Product: Used Oil
Remove Date: May 1 2000
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: Phantom
Tank Status: **Non-Registered Tank**
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
Z130 East 1/2-1 0.613 mi. 3235 ft.	GRANTEX INC. 3560 JEFFERSON AVE S.E. WYOMING, MI 49548 Site 1 of 2 in cluster Z	SHWS	S105144247 N/A
Relative: Higher	SHWS: Facility ID: 41000862 Facility Status: Interim Response in progress		
Actual: 680 ft.	Source: Dry Cleaning Plants SAM Score: 36 SAM Score Date: 8/18/2004 Township: 41 Range: 6N Section: 11 Quarter: Not reported Quarter/Quarter: Not reported Pollutants: PCE		
AA131 North 1/2-1 0.613 mi. 3237 ft.	UNIVERSAL ELECTRIC COATERS 3059 HILLCROFT AVE SW GRAND RAPIDS, MI 49548 Site 1 of 3 in cluster AA	RCRA-CESQG FINDS	1004722174 MI0000072009
Relative: Higher	RCRA-CESQG: Date form received by agency: 12/03/1993 Facility name: UNIVERSAL ELECTRIC COATERS Facility address: 3059 HILLCROFT AVE SW GRAND RAPIDS, MI 49548 EPA ID: MI0000072009 Contact: JESSICA EDWARDS Contact address: 3059 HILLCROFT AVE SW GRAND RAPIDS, MI 49548 Contact country: Not reported Contact telephone: (616) 452-9110 Contact email: Not reported EPA Region: 05 Classification: Conditionally Exempt Small Quantity Generator Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste		
	Owner/Operator Summary: Owner/operator name: LOSEY CHARLES Owner/operator address: Not reported Not reported Owner/operator country: Not reported		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVERSAL ELECTRIC COATERS (Continued)

1004722174

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: LOSEY CHARLES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVERSAL ELECTRIC COATERS (Continued)

1004722174

Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

FINDS:

Registry ID: 110003560931

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.

Z132
East
1/2-1
0.613 mi.
3238 ft.

NORTHTOWN CENTER
3540 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548

LUST **U000715362**
UST **N/A**

Site 2 of 2 in cluster Z

Relative:
Higher

LUST:

Facility ID: 00035735
Source: STATE OF MICHIGAN
Owner Name: H & H Development
Owner Address: 2920 FULLER NE
Owner City,St,Zip: GRAND RAPIDS, MI 49505
Owner Contact: Not reported
Owner Phone: (616) 363-9064
Country: USA
District: Grand Rapids District Office
Site Name: Pestka And Rogers
Latitude: 42.8996080000
Longitude: -85.6609800000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-2151-91
Release Date: Oct 14 1991
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Dec 5 1991

UST:

Facility ID: 00035735
Facility Type: CLOSED
Latitude: 42.8996080000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHTOWN CENTER (Continued)

U000715362

Longitude: -85.6609800000
Owner Name: H & H Development
Owner Address: 2920 FULLER NE
Owner City,St,Zip: GRAND RAPIDS, MI 49505
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 363-9064
Contact: HENRY PESTKA
Contact Phone: (616) 363-9064
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 550
Install Date: Not reported
Product: Gasoline
Remove Date: Nov 7 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Suction: No Valve At Tank,Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: Phantom
Tank Status: **Non-Registered Tank**
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

133
East
1/2-1
0.620 mi.
3273 ft.

TOWN CLUB PLANT
3650 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548

UST U003329211
N/A

Relative:
Higher

UST:
Facility ID: 00033694
Facility Type: CLOSED
Latitude: 42.8976340000
Longitude: -85.6609030000
Owner Name: First National Bank of America (FNBA)
Owner Address: 241 E Saginaw

Actual:
679 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN CLUB PLANT (Continued)

U003329211

Owner City,St,Zip: East Lansing, MI 48823
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (517) 333-7719
Contact: DONALD W. GRANT
Contact Phone: (616) 351-5351
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 6000
Install Date: Jan 1 1970
Product: Gasoline
Remove Date: Mar 22 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

134
ENE
1/2-1
0.624 mi.
3295 ft.

GRANTEX INC
3560 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548

RCRA-NonGen **1000988474**
FINDS **MIT270013055**

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 01/24/1995
Facility name: GRANTEX INC
Facility address: 3560 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548
EPA ID: MIT270013055
Contact: DOUGLAS SINGER
Contact address: 3560 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 245-1191
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
680 ft.

Owner/Operator Summary:

Owner/operator name: GRANTEX CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRANTEX INC (Continued)

1000988474

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: GRANTEX CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
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: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRANTEX INC (Continued)

1000988474

Generated waste on-site: No

Waste type: MERCURY SWITCHES

Accumulated waste on-site: No

Generated waste on-site: No

Historical Generators:

Date form received by agency: 01/10/1994

Facility name: GRANTEX INC

Site name: GRANTEX

Classification: Large Quantity Generator

Date form received by agency: 01/06/1992

Facility name: GRANTEX INC

Site name: GRANTEX

Classification: Large Quantity Generator

Date form received by agency: 04/24/1981

Facility name: GRANTEX INC

Classification: Not a generator, verified

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 06/17/1993

Date achieved compliance: 06/17/1993

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/17/1993

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: 08/14/1989

Date achieved compliance: 12/19/1989

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/22/1989

Enf. disposition status: Not reported

Enf. disp. status date: Not reported

Enforcement lead agency: State

Proposed penalty amount: Not reported

Final penalty amount: Not reported

Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 06/06/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported

Date achieved compliance: Not reported

Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRANTEX INC (Continued)

1000988474

Evaluation date: 06/17/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/17/1993
Evaluation lead agency: State

Evaluation date: 04/14/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/22/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/19/1989
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/14/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/19/1989
Evaluation lead agency: State

FINDS:

Registry ID: 110003718941

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.

135
ESE
1/2-1
0.629 mi.
3324 ft.

RIVERSHORES BUILDING PRODUCTS INC
3690 JEFFERSON SE
GRAND RAPIDS, MI 49548

RCRA-SQG 1001202385
FINDS MIR000025809

Relative:
Higher

RCRA-SQG:

Date form received by agency: 04/28/2009
Facility name: RIVERSHORES BUILDING PRODUCTS INC
Facility address: 3690 JEFFERSON SE
GRAND RAPIDS, MI 49548
EPA ID: MIR000025809
Contact: DARLA MIKITA
Contact address: 3690 JEFFERSON SE
GRAND RAPIDS, MI 49548

Actual:
679 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSHORES BUILDING PRODUCTS INC (Continued)

1001202385

Contact country: Not reported
Contact telephone: (616) 243-7000
Contact email: Not reported
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: STEVEN C VANDER WEIDE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/01/1992
Owner/Op end date: Not reported

Owner/operator name: STEVEN C VANDER WEIDE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/01/1992
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

Historical Generators:

Date form received by agency: 04/16/2008
Facility name: RIVERSHORES BUILDING PRODUCTS INC
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSHORES BUILDING PRODUCTS INC (Continued)

1001202385

Date form received by agency: 04/29/2004
Facility name: RIVERSHORES BUILDING PRODUCTS INC
Classification: Small Quantity Generator

Date form received by agency: 04/23/2003
Facility name: RIVERSHORES BUILDING PRODUCTS INC
Classification: Small Quantity Generator

Date form received by agency: 07/17/1997
Facility name: RIVERSHORES BUILDING PRODUCTS INC
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 08/17/1998
Date achieved compliance: 09/24/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/17/1998
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: 05/05/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/24/1998
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/24/1998
Evaluation lead agency: State

Evaluation date: 08/12/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/24/1998
Evaluation lead agency: State

FINDS:

Registry ID: 110003702191

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

136
ENE
1/2-1
0.648 mi.
3421 ft.

WIKOFF COLOR CORP
3410 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548

RCRA-CESQG **1004722172**
FINDS **MI0000066746**

Relative:
Higher

RCRA-CESQG:

Actual:
680 ft.

Date form received by agency: 11/24/1993
Facility name: WIKOFF COLOR CORP
Facility address: 3410 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548
EPA ID: MI0000066746
Contact: CLIFFORD PARKS
Contact address: 3410 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 245-3930
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: WIKOFF COLOR CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: WIKOFF COLOR CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WIKOFF COLOR CORP (Continued)

1004722172

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

FINDS:

Registry ID: 110003560799

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WIKOFF COLOR CORP (Continued)

1004722172

corrective action activities required under RCRA.

AA137
North
1/2-1
0.652 mi.
3440 ft.

INTERNAL GRINDING ABRASIVE
3011 HILLCROFT AVE
GRAND RAPIDS, MI 49548

RCRA-CESQG
FINDS

1000216805
MID006014237

Site 2 of 3 in cluster AA

Relative:
Higher

RCRA-CESQG:

Actual:
679 ft.

Date form received by agency: 03/16/2004
Facility name: INTERNAL GRINDING ABRASIVES
Facility address: 3011 HILLCROFT AVE SW
GRAND RAPIDS, MI 49548
EPA ID: MID006014237
Contact: JAMES MENERICK
Contact address: 3011 HILLCROFT AVE SW
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 243-5566
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: INTERNAL GRINDING ABRASIVES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/01/1958
Owner/Op end date: Not reported

Owner/operator name: INTERNAL GRINDING ABRASIVES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERNAL GRINDING ABRASIVE (Continued)

1000216805

Owner/Op start date: 12/01/1958
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: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 08/04/1980
Facility name: INTERNAL GRINDING ABRASIVES
Classification: Small Quantity Generator

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERNAL GRINDING ABRASIVE (Continued)

1000216805

Evaluation Action Summary:

Evaluation date: 06/22/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/16/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110001679078

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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.

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AA138
North
1/2-1
0.652 mi.
3440 ft.

3011 HILLCROFT SW
3011 HILLCROFT SW
WYOMING, MI 49548
Site 3 of 3 in cluster AA

SHWS S108632577
N/A

Relative:
Higher

SHWS:

Facility ID: 41001053
Facility Status: Inactive - no actions taken to address contamination
Source: Not reported
SAM Score: 30
SAM Score Date: 5/4/2007
Township: 6N
Range: 12W
Section: 13
Quarter: NE
Quarter/Quarter: SW
Pollutants: PCE

Actual:
679 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AB139
NE
1/2-1
0.663 mi.
3503 ft.
FORMER NORTHERN LIGHT PROPERTY
3158 DIVISION AVE S
WYOMING, MI 49548
Site 1 of 4 in cluster AB

UST **U003758985**
N/A

Relative:
Higher

UST:

Actual:
681 ft.

Facility ID: 00040585
Facility Type: CLOSED
Latitude: 42.9074000000
Longitude: -85.7673820000
Owner Name: Etta Lassman Trust
Owner Address: 264 Rogan Rd
Owner City,St,Zip: Chula Vista, CA 91910-3021
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (619) 422-4066
Contact: ESTHER LASSMAN
Contact Phone: (619) 674-5554
Date of Collection: 07-03-2006
Accuracy: 15
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Not reported
Method of Collection: Interpolation-Map

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Jan 1 1930
Product: Gasoline
Remove Date: Dec 6 2000
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 2000
Install Date: Jan 1 1930
Product: Gasoline
Remove Date: Dec 6 2000
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AB140
NE
1/2-1
0.667 mi.
3522 ft.
SPEEDWAY #6275
3155 S DIVISION
WYOMING, MI 45501
Site 2 of 4 in cluster AB

LUST
UST
U002301855
N/A

Relative:
Higher

LUST:

Facility ID: 00011831
Source: STATE OF MICHIGAN
Owner Name: Speedway SuperAmerica LLC
Owner Address: PO Box 1500
Owner City,St,Zip: Springfield, OH 45501-1500
Owner Contact: Not reported
Owner Phone: (937) 864-3000
Country: USA
District: Grand Rapids District Office
Site Name: United Station #6275
Latitude: 42.9063520000
Longitude: -85.6657830000
Date of Collection: 01-12-1998
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0321-91
Release Date: Mar 4 1991
Substance Released: Not reported
Release Status: Closed
Release Closed Date: May 1 1996

UST:

Facility ID: 00011831
Facility Type: ACTIVE
Latitude: 42.9063520000
Longitude: -85.6657830000
Owner Name: Speedway SuperAmerica LLC
Owner Address: PO Box 1500
Owner City,St,Zip: Springfield, OH 45501-1500
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (937) 864-3000
Contact: Sandy Vickie
Contact Phone: 616-247-7725
Date of Collection: 01-12-1998
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 8000
Install Date: May 2 1968
Product: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #6275 (Continued)

U002301855

Remove Date: Apr 11 1995
Tank Release Detection: Inventory Control,Manual Tank Gauging,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: Removed from Ground
Capacity: 8000
Install Date: May 2 1968
Product: EMPTY
Remove Date: Apr 11 1995
Tank Release Detection: Inventory Control,Manual Tank Gauging,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 6000
Install Date: May 2 1968
Product: Kerosene
Remove Date: Apr 12 1995
Tank Release Detection: Inventory Control,Manual Tank Gauging,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 8000
Install Date: May 2 1968
Product: Gasoline
Remove Date: Apr 11 1995
Tank Release Detection: Inventory Control,Manual Tank Gauging,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 8000
Install Date: May 2 1968
Product: Diesel
Remove Date: Apr 11 1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #6275 (Continued)

U002301855

Tank Release Detection: Inventory Control,Manual Tank Gauging,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground

Capacity: 8000
Install Date: May 2 1968
Product: Gasoline
Remove Date: Apr 11 1995

Tank Release Detection: Inventory Control,Manual Tank Gauging,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground

Capacity: 8000
Install Date: May 2 1968
Product: Gasoline
Remove Date: Apr 11 1995

Tank Release Detection: Inventory Control,Manual Tank Gauging,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 9
Tank Status: Currently In Use

Capacity: 10000
Install Date: Jul 14 1995
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 10
Tank Status: Currently In Use

Capacity: 4000
Install Date: Jul 17 1995
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #6275 (Continued)

U002301855

Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 11
Tank Status: Currently In Use
Capacity: 4000
Install Date: Jul 17 1995
Product: Kerosene
Remove Date: Not reported
Tank Release Detection: Inventory Control
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic
Piping Type: Suction: No Valve At Tank
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 8
Tank Status: Currently In Use
Capacity: 15000
Install Date: Jul 14 1995
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

AB141
NE
1/2-1
0.667 mi.
3522 ft.
SPEEDWAY SUPERAMERICA LLC
3155 S DIVISION
GRAND RAPIDS, MI 49548
Site 3 of 4 in cluster AB

RCRA-CESQG
FINDS
1004723060
MID985576875

Relative:
Higher

RCRA-CESQG:

Actual:
680 ft.

Date form received by agency: 05/25/2005
Facility name: SPEEDWAY SUPERAMERICA LLC
Facility address: 3155 S DIVISION
GRAND RAPIDS, MI 49548
EPA ID: MID985576875
Mailing address: PO BOX 1500
SPRINGFIELD, OH 45501
Contact: CHARLES BESSE
Contact address: 3155 S DIVISION
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (937) 863-6272
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY SUPERAMERICA LLC (Continued)

1004723060

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: SPEEDWAY/SUPERAMERICA LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1998
Owner/Op end date: Not reported

Owner/operator name: SPEEDWAY/SUPERAMERICA LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1998
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: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY SUPERAMERICA LLC (Continued)

1004723060

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 03/27/1990
Facility name: SPEEDWAY SUPERAMERICA LLC
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110003638458

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.

AC142
North
1/2-1
0.676 mi.
3568 ft.

CHEM CENTRAL
2940 STAFFORD AVE SW
GRAND RAPIDS, MI

BROWNFIELDS **S108417474**
N/A

Site 1 of 4 in cluster AC

Relative:
Lower

BROWNFIELD:
Facility ID: Not reported
Region: 1
Status: PLP
Property Use: Not reported
BEA: No
Ernie Id Number: 41000011
Redevelop Status: Not reported

Actual:
655 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEM CENTRAL (Continued)

S108417474

Before Redevelopment: Not reported
After Redevelopment: Not reported

AC143
North
1/2-1
0.676 mi.
3568 ft.

CHEMCENTRAL GRAND RAPIDS
2940 STAFFORD AVENUE
WYOMING, MI 49548

RCRA-LQG **1000296944**
FINDS **MID017108192**

Site 2 of 4 in cluster AC

Relative:
Lower

RCRA-LQG:

Actual:
655 ft.

Date form received by agency: 04/23/2009
Facility name: UNIVAR USA INC
Facility address: 2940 STAFFORD AVE SW
WYOMING, MI 49548
EPA ID: MID017108192
Contact: BOB MIDDENDORP
Contact address: 2940 STAFFORD AVE SW
WYOMING, MI 49548
Contact country: Not reported
Contact telephone: (616) 245-9112
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: UNIVAR USA INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/01/2007
Owner/Op end date: Not reported

Owner/operator name: UNIVAR USA INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/01/2007
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMCENTRAL GRAND RAPIDS (Continued)

1000296944

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

Historical Generators:

Date form received by agency: 02/18/2009
Facility name: UNIVAR USA INC
Classification: Large Quantity Generator

Date form received by agency: 03/01/2008
Facility name: UNIVAR USA INC
Classification: Large Quantity Generator

Date form received by agency: 02/26/2008
Facility name: UNIVAR USA INC
Classification: Large Quantity Generator

Date form received by agency: 09/10/2007
Facility name: UNIVAR USA INC
Classification: Large Quantity Generator

Date form received by agency: 03/19/2007
Facility name: UNIVAR USA INC
Classification: Large Quantity Generator

Date form received by agency: 03/14/2006
Facility name: UNIVAR USA INC
Classification: Large Quantity Generator

Date form received by agency: 03/01/2006
Facility name: UNIVAR USA INC
Site name: CHEMCENTRAL
Classification: Large Quantity Generator

Date form received by agency: 03/23/2004
Facility name: UNIVAR USA INC
Classification: Large Quantity Generator

Date form received by agency: 03/01/2004
Facility name: UNIVAR USA INC
Site name: CHEMCENTRAL
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMCENTRAL GRAND RAPIDS (Continued)

1000296944

Date form received by agency: 03/01/2002
Facility name: UNIVAR USA INC
Site name: CHEMCENTRAL/GRAND RAPIDS
Classification: Large Quantity Generator

Date form received by agency: 02/26/2002
Facility name: UNIVAR USA INC
Classification: Large Quantity Generator

Date form received by agency: 02/08/2000
Facility name: UNIVAR USA INC
Site name: CHEMCENTRAL/GRAND RAPIDS
Classification: Large Quantity Generator

Date form received by agency: 02/22/1996
Facility name: UNIVAR USA INC
Site name: CHEMCENTRAL/GRAND RAPIDS
Classification: Large Quantity Generator

Date form received by agency: 09/06/1995
Facility name: UNIVAR USA INC
Classification: Large Quantity Generator

Date form received by agency: 02/17/1994
Facility name: UNIVAR USA INC
Site name: CHEMCENTRAL/GRAND RAPIDS
Classification: Large Quantity Generator

Date form received by agency: 06/09/1992
Facility name: UNIVAR USA INC
Site name: CHEM CENTRAL/GRAND RAPIDS
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Facility name: UNIVAR USA INC
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2007

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A 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.

Amount (Lbs): 41542.9

Waste code: D008
Waste name: LEAD
Amount (Lbs): 1369.5

Waste code: D009
Waste name: MERCURY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMCENTRAL GRAND RAPIDS (Continued)

1000296944

Amount (Lbs): 1369.5

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 1369.5

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 05/14/2007
Date achieved compliance: 07/24/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/14/2007
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: 05/14/2007
Date achieved compliance: 07/24/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/14/2007
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: 07/29/2003
Date achieved compliance: 09/22/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/29/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 08/29/1995
Date achieved compliance: 09/13/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/30/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMCENTRAL GRAND RAPIDS (Continued)

1000296944

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: 08/29/1995
Date achieved compliance: 09/13/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/30/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/29/1995
Date achieved compliance: 09/13/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/30/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 11/29/1993
Date achieved compliance: 12/17/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/02/1993
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: LDR - General
Date violation determined: 11/29/1993
Date achieved compliance: 12/17/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/02/1993
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMCENTRAL GRAND RAPIDS (Continued)

1000296944

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: 05/20/1992
Date achieved compliance: 09/01/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/29/1992
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: 04/02/1991
Date achieved compliance: 04/16/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/03/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/12/1987
Date achieved compliance: 08/28/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/17/1987
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: 08/12/1987
Date achieved compliance: 08/28/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/17/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMCENTRAL GRAND RAPIDS (Continued)

1000296944

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/14/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 07/24/2007
Evaluation lead agency: State

Evaluation date: 05/14/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 07/24/2007
Evaluation lead agency: State

Evaluation date: 07/29/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/22/2003
Evaluation lead agency: State

Evaluation date: 11/16/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/19/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/13/1995
Evaluation lead agency: State

Evaluation date: 08/29/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 09/13/1995
Evaluation lead agency: State

Evaluation date: 08/29/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 09/13/1995
Evaluation lead agency: State

Evaluation date: 11/29/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMCENTRAL GRAND RAPIDS (Continued)

1000296944

Date achieved compliance: 12/17/1993
Evaluation lead agency: State

Evaluation date: 11/29/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 12/17/1993
Evaluation lead agency: State

Evaluation date: 09/01/1992
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/20/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/01/1992
Evaluation lead agency: State

Evaluation date: 04/16/1991
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/02/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/16/1991
Evaluation lead agency: State

Evaluation date: 01/24/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/12/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/28/1987
Evaluation lead agency: State

Evaluation date: 08/12/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/28/1987
Evaluation lead agency: State

Evaluation date: 06/18/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMCENTRAL GRAND RAPIDS (Continued)

1000296944

Evaluation date: 03/18/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110000411901

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.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMCENTRAL GRAND RAPIDS (Continued)

1000296944

that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

AC144
North
1/2-1
0.676 mi.
3568 ft.

CHEM CENTRAL
2940 STAFFORD AVENUE SW
WYOMING, MI 49508

SHWS S103084954
N/A

Site 3 of 4 in cluster AC

Relative:
Lower

SHWS:

Facility ID: 41000011

Facility Status: Interim Response in progress

Actual:
655 ft.

Source: Chemicals and Allied Products

SAM Score: 38

SAM Score Date: 11/8/2006

Township: 06N

Range: 12W

Section: 13

Quarter: NE

Quarter/Quarter: NW

Pollutants: 1,1,1 TCA; 1,1 DCA; Ethylbenzene; PCE; TCE; VC; Xylenes; cis-1,2 DCE

AC145
North
1/2-1
0.676 mi.
3568 ft.

UNIVAR USA
2940 STAFFORD AVE
WYOMING, MI 49548

AST 1005551418
N/A

Site 4 of 4 in cluster AC

Relative:
Lower

AST:

Type: ACTIVE

Owner Name: Univar USA

Owner Address: PO Box 34325

Owner City,St,Zip: Seattle, WA 98124-1325

Owner County: USA

Owner Contact: Account's Payable

Owner Telephone: (425) 889-3677

Facility ID: 91041051

District: Grand Rapids District Office

Contact: Bob Middendorp

Facility Phone: (616) 245-9112

Tank ID: 1

Tank Status: Currently In Use

Capacity: 12000

Install Date: Not reported

Close Date: Not reported

Content: Flammable Liquid

Latitude: 42.9106450000

Longitude: -85.6753450000

Date of Collection: 19-06-2006

Accuracy: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVAR USA (Continued)

1005551418

Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 2
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 3
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVAR USA (Continued)

1005551418

Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 4
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 5
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVAR USA (Continued)

1005551418

Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 6
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 7
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVAR USA (Continued)

1005551418

Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 8
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 9
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVAR USA (Continued)

1005551418

Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 10
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 11
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVAR USA (Continued)

1005551418

Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 12
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 13
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVAR USA (Continued)

1005551418

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 14
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 15
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVAR USA (Continued)

1005551418

Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 16
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 17
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVAR USA (Continued)

1005551418

Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 18
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 19
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVAR USA (Continued)

1005551418

Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 20
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: Univar USA
Owner Address: PO Box 34325
Owner City,St,Zip: Seattle, WA 98124-1325
Owner County: USA
Owner Contact: Account's Payable
Owner Telephone: (425) 889-3677
Facility ID: 91041051
District: Grand Rapids District Office
Contact: Bob Middendorp
Facility Phone: (616) 245-9112
Tank ID: 37
Tank Status: Currently In Use
Capacity: 10000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.9106450000
Longitude: -85.6753450000
Date of Collection: 19-06-2006
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AB146
NE
1/2-1
0.684 mi.
3611 ft.
C.D. FORTUIN
3130 S DIVISION
WYOMING, MI 49508
Site 4 of 4 in cluster AB

UST **U003327727**
N/A

Relative:
Higher

UST:

Actual:
680 ft.

Facility ID: 00003053
Facility Type: CLOSED
Latitude: 42.9068010000
Longitude: -85.6654300000
Owner Name: C.D. Fortuin
Owner Address: 3130 S DIVISION
Owner City,St,Zip: WYOMING, MI 49508
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 243-4441
Contact: C.D. FORTUIN
Contact Phone: (616) 243-4441
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Used Oil
Remove Date: Jan 1 1986
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

147
ENE
1/2-1
0.684 mi.
3612 ft.
THE SHERWIN WILLIAMS CO
3380 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548

RCRA-NonGen **1000451953**
FINDS **MID985586619**

Relative:
Higher

RCRA-NonGen:

Actual:
681 ft.

Date form received by agency: 12/31/1990
Facility name: THE SHERWIN WILLIAMS CO
Facility address: 3380 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548
EPA ID: MID985586619
Contact: TOM SHIRA
Contact address: 3380 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 241-6553
Contact email: Not reported
EPA Region: 05

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE SHERWIN WILLIAMS CO (Continued)

1000451953

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1991
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1991
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: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE SHERWIN WILLIAMS CO (Continued)

1000451953

Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 09/17/1990
Facility name: THE SHERWIN WILLIAMS CO
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110003645002

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.

148
North
1/2-1
0.696 mi.
3673 ft.

LARKO CHEMICAL CO
2954 HILLCROFT SW
WYOMING, MI 49418

UST U003328513
N/A

Relative:
Higher

UST:

Actual:
677 ft.

Facility ID: 00013506
Facility Type: CLOSED
Latitude: 42.9101170000
Longitude: -85.6732730000
Owner Name: Larko Chemical Co
Owner Address: 3181 Prairie St SW Ste 110
Owner City,St,Zip: Grandville, MI 49418-2076
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 534-0507
Contact: RICHARD SLAGTER
Contact Phone: (616) 245-6722
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LARKO CHEMICAL CO (Continued)

U003328513

Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 4000
Install Date: May 7 1971
Product: LACQUER
Remove Date: Jul 23 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 2000
Install Date: May 7 1971
Product: THINNER
Remove Date: Jul 23 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

AD149
ENE
1/2-1
0.713 mi.
3765 ft.

COFFMAN ELECTRICAL EQUIPMENT CO
3300 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548

RCRA-SQG **1007099100**
MIK622738979

Site 1 of 2 in cluster AD

Relative:
Higher

RCRA-SQG:
Date form received by agency: 02/21/2002
Facility name: COFFMAN ELECTRICAL EQUIPMENT CO
Facility address: 3300 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548

Actual:
681 ft.

EPA ID: MIK622738979
Contact: LARRY BRUGEL
Contact address: 3300 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548

Contact country: Not reported
Contact telephone: (616) 452-8708
Contact email: Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COFFMAN ELECTRICAL EQUIPMENT CO (Continued)

1007099100

Owner/Operator Summary:

Owner/operator name: COFFMAN ELECTRICAL EQUIP CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/21/2002
Owner/Op end date: Not reported

Owner/operator name: COFFMAN ELECTRICAL EQUIP CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/21/2002
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COFFMAN ELECTRICAL EQUIPMENT CO (Continued)

1007099100

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 12/16/2008
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/21/2009
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: 12/16/2008
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: State Statute or Regulation
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/05/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

AE150 **INERGY PROPANE LLC (DBA) PROGAS PROPANE**
SE **4044 DIVISION AVE S**
1/2-1 **GRAND RAPIDS, MI 49548**
0.716 mi.
3779 ft. **Site 1 of 2 in cluster AE**

AST **A100172223**
N/A

Relative:
Higher

AST:
Type: CLOSED
Owner Name: Inergy Propane LLC (dba) ProGas Propane
Owner Address: 1535 S Walker Rd
Owner City,St,Zip: Muskegon, MI 49441
Owner County: USA
Owner Contact: Not reported
Owner Telephone: 231-773-3261
Facility ID: 92041135
District: Grand Rapids District Office
Contact: William Groundman
Facility Phone: (616) 534-4965

Actual:
677 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INERGY PROPANE LLC (DBA) PROGAS PROPANE (Continued)

A100172223

Tank ID: 2
Tank Status: Removed from Premises
Capacity: 1850
Install Date: Jul 2 1985
Close Date: Mar 30 2009
Content: Liquid Propane Gas
Latitude: 42.8902170000
Longitude: -85.6647030000
Date of Collection: 21-10-2003
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

AD151
NE
1/2-1
0.735 mi.
3882 ft.
INTERSTATE BRANDS CORP
3230 JEFFERSON AVE SE
GRAND RAPIDS, MI 49548
Site 2 of 2 in cluster AD

UST **U003328727**
N/A

Relative:
Higher

UST:

Actual:
681 ft.

Facility ID: 00015893
Facility Type: CLOSED
Latitude: 42.9046020000
Longitude: -85.6611610000
Owner Name: Interstate Brands Corp
Owner Address: 1100 Oakman Blvd
Owner City,St,Zip: Detroit, MI 48238-2949
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 868-5600
Contact: Scott Razier
Contact Phone: (313) 963-2332
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: Apr 2 1981
Product: Diesel
Remove Date: May 6 1996
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERSTATE BRANDS CORP (Continued)

U003328727

Tank ID: SA-02
Tank Status: NON-Registered Tank
Capacity: Not reported
Install Date: Not reported
Product: Not reported
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

AE152 HOBART SALES & SERVICE
SE 4064 DIVISION AVE S
1/2-1 GRAND RAPIDS, MI 49548
0.740 mi.
3906 ft. Site 2 of 2 in cluster AE

LUST U000257440
UST N/A

Relative:
Higher

LUST:

Facility ID: 00008170
Source: STATE OF MICHIGAN
Owner Name: Hobart Sales & Serv
Owner Address: 4064 Division Ave S
Owner City,St,Zip: Grand Rapids, MI 49548-3369
Owner Contact: Not reported
Owner Phone: (616) 538-1470
Country: USA
District: Grand Rapids District Office
Site Name: Hobart Food Equipment
Latitude: 42.8896830000
Longitude: -85.6647200000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1897-92
Release Date: Oct 26 1992
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: Oct 18 2001

UST:

Facility ID: 00008170
Facility Type: CLOSED
Latitude: 42.8896830000
Longitude: -85.6647200000
Owner Name: Hobart Sales & Serv
Owner Address: 4064 Division Ave S
Owner City,St,Zip: Grand Rapids, MI 49548-3369
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 538-1470
Contact: ED VERBURG

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOBART SALES & SERVICE (Continued)

U000257440

Contact Phone: (616) 538-1470
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 550
Install Date: Mar 31 1969
Product: Gasoline
Remove Date: Oct 26 1992
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel,Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: Phantom
Tank Status: **Non-Registered Tank**
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

153
East
1/2-1
0.748 mi.
3951 ft.

GUARDMANS CHEMICAL CO INC
3503 LOUSMA DR SE
GRAND RAPIDS, MI 49548

RCRA-NonGen **1000354774**
FINDS **MID980568661**

Relative:
Higher

RCRA-NonGen:
Date form received by agency: 02/21/2001
Facility name: GUARDMANS CHEMICAL CO INC
Facility address: 3503 LOUSMA DR SE
GRAND RAPIDS, MI 49548
EPA ID: MID980568661
Contact: DAVID BOCKHEIM
Contact address: 3503 LOUSMA DR SE
GRAND RAPIDS, MI 49548

Actual:
680 ft.

Contact country: Not reported
Contact telephone: (616) 247-7651
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUARDMANS CHEMICAL CO INC (Continued)

1000354774

Owner/Operator Summary:

Owner/operator name: GUARDSMAN CHEMICAL CO INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: GUARDMANS CHEMICAL CO INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: GUARDSMAN CHEMICAL CO INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: GUARDMANS CHEMICAL CO INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUARDMANS CHEMICAL CO INC (Continued)

1000354774

Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 02/13/2001
Facility name: GUARDMANS CHEMICAL CO INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/13/2001
Facility name: GUARDMANS CHEMICAL CO INC
Classification: Not a generator, verified

Date form received by agency: 11/14/1980
Facility name: GUARDMANS CHEMICAL CO INC
Classification: Not a generator, verified

Date form received by agency: 08/07/1980
Facility name: GUARDMANS CHEMICAL CO INC
Classification: Not a generator, verified

Date form received by agency: 01/01/1980
Facility name: GUARDMANS CHEMICAL CO INC
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUARDMANS CHEMICAL CO INC (Continued)

1000354774

Registry ID: 110009396162

Environmental Interest/Information System

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.

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.

154
SSE
1/2-1
0.817 mi.
4316 ft.

**PONY EXPRESS COURIER CORP
4130 S DIVISION
WYOMING, MI 48216**

**LUST U003328761
UST N/A**

**Relative:
Higher**

LUST:

Facility ID: 00016455
Source: STATE OF MICHIGAN
Owner Name: Pony Express Courier Corp
Owner Address: 2950 Rosa Parks Blvd
Owner City,St,Zip: Detroit, MI 48216-1217
Owner Contact: Not reported
Owner Phone: (313) 965-7420
Country: USA
District: Grand Rapids District Office
Site Name: Pony Express Courier Corp.
Latitude: 42.8888000000
Longitude: -85.6646800000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

**Actual:
677 ft.**

Leak Number: C-1088-98
Release Date: Nov 2 1998
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00016455
Facility Type: CLOSED
Latitude: 42.8888000000
Longitude: -85.6646800000
Owner Name: Pony Express Courier Corp
Owner Address: 2950 Rosa Parks Blvd
Owner City,St,Zip: Detroit, MI 48216-1217

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PONY EXPRESS COURIER CORP (Continued)

U003328761

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 965-7420
Contact: GEORGE HUNTER
Contact Phone: (616) 531-2910
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 4000
Install Date: Apr 13 1966
Product: Gasoline
Remove Date: Nov 2 1998
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: Phantom
Tank Status: **Non-Registered Tank**
Capacity: Not reported
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Constr Material: Not reported
Impressed Device: No

155
North
1/2-1
0.834 mi.
4402 ft.

PKG CORP OF AMERICA
200 COLRAIN SW
WYOMING, MI 49509

LUST **U000257071**
UST **N/A**

Relative:
Higher

LUST:
Facility ID: 00015454
Source: STATE OF MICHIGAN
Owner Name: Kenneth M Faber
Owner Address: 2550 Oaklane St SW
Owner City,St,Zip: Wyoming, MI 49509-3129
Owner Contact: Not reported
Owner Phone: (616) 774-2031
Country: USA
District: Grand Rapids District Office
Site Name: Ken Faber

Actual:
673 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PKG CORP OF AMERICA (Continued)

U000257071

Latitude: 42.9104130000
Longitude: -85.6708700000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0871-91
Release Date: May 6 1991
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Jun 10 1994

UST:

Facility ID: 00015454
Facility Type: CLOSED
Latitude: 42.9104130000
Longitude: -85.6708700000
Owner Name: Kenneth M Faber
Owner Address: 2550 Oaklane St SW
Owner City,St,Zip: Wyoming, MI 49509-3129
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 774-2031
Contact: KENNETH M FABER
Contact Phone: (616) 774-2031
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 10000
Install Date: Apr 16 1976
Product: Diesel
Remove Date: Jun 5 1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 5000
Install Date: Apr 16 1976
Product: Diesel
Remove Date: Jun 5 1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PKG CORP OF AMERICA (Continued)

U000257071

Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

**156
East
1/2-1
0.846 mi.
4464 ft.**

**BENTELER INDUSTRIES
3721 HAGEN DRIVE SOUTHEAST
WYOMING, MI 49548**

**CERC-NFRAP
CORRACTS
RCRA-SQG
FINDS
MANIFEST**

**1000400112
MID000776104**

**Relative:
Higher**

CERC-NFRAP:
Site ID: 0506892
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

**Actual:
680 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: 01/28/1992
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 09/11/1992
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 12/18/1995
Priority Level: Not reported

CORRACTS:

EPA ID: MID000776104
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 3/31/1992
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BENTELER INDUSTRIES (Continued)

1000400112

NAICS Code(s): 336312
Gasoline Engine and Engine Parts Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID000776104
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 5/29/1992
Action: CA050 - RFA Completed
NAICS Code(s): 336312
Gasoline Engine and Engine Parts Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-SQG:

Date form received by agency: 04/13/2009
Facility name: BENTELER AUTOMOTIVE
Facility address: 3721 HAGEN DR SE
WYOMING, MI 49548

EPA ID: MID000776104
Contact: NICK MIEDEMA
Contact address: 3721 HAGEN DR SE
WYOMING, MI 49548

Contact country: Not reported
Contact telephone: (616) 475-5935
Contact email: Not reported
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: MIKE CORNELL
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2005
Owner/Op end date: Not reported

Owner/operator name: BENTELER CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1987
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BENTELER INDUSTRIES (Continued)

1000400112

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

Historical Generators:

Date form received by agency: 02/10/2009
Facility name: BENTELER AUTOMOTIVE
Classification: Small Quantity Generator

Date form received by agency: 01/12/2009
Facility name: BENTELER AUTOMOTIVE
Classification: Large Quantity Generator

Date form received by agency: 06/24/2008
Facility name: BENTELER AUTOMOTIVE
Classification: Small Quantity Generator

Date form received by agency: 06/02/2008
Facility name: BENTELER AUTOMOTIVE
Classification: Large Quantity Generator

Date form received by agency: 03/25/2008
Facility name: BENTELER AUTOMOTIVE
Classification: Small Quantity Generator

Date form received by agency: 03/09/2007
Facility name: BENTELER AUTOMOTIVE
Classification: Small Quantity Generator

Date form received by agency: 03/06/2006
Facility name: BENTELER AUTOMOTIVE
Classification: Small Quantity Generator

Date form received by agency: 02/23/2004
Facility name: BENTELER AUTOMOTIVE
Classification: Small Quantity Generator

Date form received by agency: 07/28/2003
Facility name: BENTELER AUTOMOTIVE
Classification: Small Quantity Generator

Date form received by agency: 12/21/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BENTELER INDUSTRIES (Continued)

1000400112

Facility name: BENTELER AUTOMOTIVE
Classification: Not a generator, verified

Date form received by agency: 08/20/1980
Facility name: BENTELER AUTOMOTIVE
Classification: Small Quantity Generator

Corrective Action Summary:

Event date: 03/31/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 05/29/1992
Event: RFA Completed

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 11/08/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/30/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/12/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003577157

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).

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BENTELER INDUSTRIES (Continued)

1000400112

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.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

NY MANIFEST:

EPA ID: MID000776104
Country: USA
Mailing Name: WILSON SPORTING GOODS COMPANY
Mailing Contact: WILSON SPORTING GOODS COMPANY
Mailing Address: 3721 HAGEN DRIVE
Mailing Address 2: Not reported
Mailing City: GRAND RAPIDS
Mailing State: MI
Mailing Zip: 49508
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 616-245-0451

Document ID: NYA3933358
Manifest Status: Completed copy
Trans1 State ID: 199196STI
Trans2 State ID: Not reported
Generator Ship Date: 860609
Trans1 Recv Date: 860609
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860611
Part A Recv Date: 860612
Part B Recv Date: 860620
Generator EPA ID: MID000776104
Trans1 EPA ID: ILD980682728
Trans2 EPA ID: Not reported
TSDF ID: NYD043815703

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BENTELER INDUSTRIES (Continued)

1000400112

Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 86
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: NYA3933180
Manifest Status: Completed copy
Trans1 State ID: 1034
Trans2 State ID: Not reported
Generator Ship Date: 860410
Trans1 Recv Date: 860410
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860412
Part A Recv Date: 860415
Part B Recv Date: 860418
Generator EPA ID: MID000776104
Trans1 EPA ID: ILD980682728
Trans2 EPA ID: Not reported
TSDF ID: NYD043815703
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 04400
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 008
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 86
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AF157
SSW
1/2-1
0.931 mi.
4918 ft.
ICS MI LLC
4336 HANSEN AVE SW
GRAND RAPIDS, MI 49548
Site 1 of 2 in cluster AF

CERC-NFRAP
RCRA-NonGen
FINDS
1000228215
MID017073222

Relative:
Higher

CERC-NFRAP:
Site ID: 0502418
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

Actual:
675 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: 08/26/1986
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 12/31/1986
Priority Level: Higher priority for further assessment

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 08/21/1990
Priority Level: NFRAP: No further Remedial Action planned

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 09/28/1994
Priority Level: Not reported

Action: SH
Date Started: Not reported
Date Completed: 09/28/1994
Priority Level: Not reported

RCRA-NonGen:

Date form received by agency: 08/07/2003
Facility name: ICS MI LLC
Facility address: 4336 HANSEN AVE SW
GRAND RAPIDS, MI 49548
EPA ID: MID017073222
Contact: DAN BELFER
Contact address: 4336 HANSEN AVE SW
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 534-9668

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ICS MI LLC (Continued)

1000228215

Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: ICS MI LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/01/2002
Owner/Op end date: Not reported

Owner/operator name: ICS MI LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/01/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: 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: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ICS MI LLC (Continued)

1000228215

Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 01/07/1992
Facility name: ICS MI LLC
Site name: BELFER GEORGE DRUM & BARREL CO
Classification: Large Quantity Generator

Date form received by agency: 02/26/1990
Facility name: ICS MI LLC
Site name: BELFER GEORGE DRUM & BARREL CO
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Facility name: ICS MI LLC
Classification: Not a generator, verified

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 05/13/1991
Date achieved compliance: 05/21/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/14/1991
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: Generators - General
Date violation determined: 11/13/1989
Date achieved compliance: 12/04/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/21/1989
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ICS MI LLC (Continued)

1000228215

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: 02/01/1988
Date achieved compliance: 05/05/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/01/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/30/1987
Date achieved compliance: 02/19/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/02/1987
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: 01/23/1985
Date achieved compliance: 02/06/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/25/1985
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: 05/19/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/13/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ICS MI LLC (Continued)

1000228215

Area of violation: LDR - General
Date achieved compliance: 05/21/1991
Evaluation lead agency: State

Evaluation date: 11/13/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/04/1989
Evaluation lead agency: State

Evaluation date: 05/05/1988
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/01/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/05/1988
Evaluation lead agency: State

Evaluation date: 02/18/1987
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/30/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/19/1987
Evaluation lead agency: State

Evaluation date: 02/03/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/23/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/06/1985
Evaluation lead agency: State

FINDS:

Registry ID: 110001295018

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ICS MI LLC (Continued)

1000228215

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).

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.

AF158
SSW
1/2-1
0.931 mi.
4918 ft.

BELFER DRUM AND BARREL
4336 HANSEN AVENUE
WYOMING, MI 49509

SHWS S105144206
N/A

Site 2 of 2 in cluster AF

Relative:
Higher

SHWS:

Facility ID: 41000006

Facility Status: Interim Response in progress

Actual:
675 ft.

Source: Misc Services

SAM Score: 19

SAM Score Date: 10/12/2004

Township: 06N

Range: 12W

Section: 24

Quarter: SW

Quarter/Quarter: SE

Pollutants: PCB's

159
North
1/2-1
0.932 mi.
4919 ft.

MANSCO/LAKESHORE
2851 BUCHANAN AVE SW
GRAND RAPIDS, MI 49548

LUST U000257230
UST N/A

Relative:
Lower

LUST:

Facility ID: 00033447

Source: STATE OF MICHIGAN

Owner Name: Jacob C. Mol

Owner Address: 2851 Buchanan Ave SW

Owner City,St,Zip: Grand Rapids, MI 49548-1025

Owner Contact: Not reported

Owner Phone: (616) 241-2611

Country: USA

District: Grand Rapids District Office

Site Name: Mansco/lakeshore

Latitude: 42.9119270000

Longitude: -85.6709370000

Date of Collection: 01-11-2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANSOCO/LAKESHORE (Continued)

U000257230

Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0549-90
Release Date: Mar 29 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Aug 26 1991

UST:

Facility ID: 00033447
Facility Type: CLOSED
Latitude: 42.9119270000
Longitude: -85.6709370000
Owner Name: Jacob C. Mol
Owner Address: 2851 Buchanan Ave SW
Owner City,St,Zip: Grand Rapids, MI 49548-1025
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 241-2611
Contact: JACOB C. MOL
Contact Phone: (616) 241-2611
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 550
Install Date: Mar 14 1982
Product: Gasoline
Remove Date: Mar 14 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Used Oil
Remove Date: Mar 19 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: CLAY TILE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANSKO/LAKESHORE (Continued)

U000257230

Piping Type: Not reported
Constr Material: Concrete
Impressed Device: No

160
NNE
1/2-1
0.988 mi.
5218 ft.

ERB LUMBER CO INC
2850 DIVISION AVE S
GRAND RAPIDS, MI 49548

LUST
UST
U003867001
N/A

Relative:
Lower

LUST:

Facility ID: 00010848
Source: STATE OF MICHIGAN
Owner Name: Erb Lumber Co
Owner Address: 2155 Butterfield Dr Ste 300
Owner City,St,Zip: Troy, MI 48084-3452
Owner Contact: Not reported
Owner Phone: (248) 614-6200
Country: USA
District: Grand Rapids District Office
Site Name: Erb Lumber Co Inc
Latitude: 42.9117560000
Longitude: -85.6656380000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0147-91
Release Date: Jan 31 1991
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Jul 2 1991

UST:

Facility ID: 00010848
Facility Type: CLOSED
Latitude: 42.9117560000
Longitude: -85.6656380000
Owner Name: Erb Lumber Co
Owner Address: 2155 Butterfield Dr Ste 300
Owner City,St,Zip: Troy, MI 48084-3452
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 614-6200
Contact: JOHN DOROSZ
Contact Phone: (313) 644-5300
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ERB LUMBER CO INC (Continued)

U003867001

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 2000
Install Date: May 2 1985
Product: Diesel
Remove Date: Sep 30 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 1000
Install Date: May 2 1986
Product: Gasoline
Remove Date: Sep 30 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: May 3 1971
Product: Gasoline
Remove Date: Jun 1 1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

161
NE
> 1
1.141 mi.
6022 ft.

RAPID PATTERN & PLASTICS INC
2935 MADISON SE
GRAND RAPIDS, MI 49548

DEL SHWS S105965944
N/A

Relative:
Lower

DELETED HWS:
Facility ID: 41000214
Status: Delisted - no longer meets criteria specified in rules

Actual:
670 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

162
North
> 1
1.231 mi.
6501 ft.

2610 BUCHANAN AVENUE SW
2610 BUCHANAN AVENUE SW
GRAND RAPIDS, MI 49548

DEL SHWS

S105965953
N/A

Relative:
Lower

DELETED HWS:
Facility ID: 41000944
Status: Delisted - no longer meets criteria specified in rules

Actual:
641 ft.

163
NW
> 1
1.361 mi.
7185 ft.

1021 28TH STREET SW
1021 28TH STREET SW
WYOMING, MI 49509

DEL SHWS
BEA

S106174342
N/A

Relative:
Higher

DELETED HWS:
Facility ID: 41001008
Status: Deleted - available documentation does not support listing

Actual:
677 ft.

BEA:
Secondary Address: Not reported
BEA Number: 1346
District: Grand Rapids
Date Received: 1/26/2004 12:59:00 AM
Submitter Name: Wright & Filippis, Inc.
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: monetd
Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 1345
District: Grand Rapids
Date Received: 1/26/2004 12:59:00 AM
Submitter Name: G R Investments, LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: monetd
Division Assigned: Environmental Response Division

164
East
> 1
1.383 mi.
7302 ft.

3664 EASTERN AVE. SE
3664 EASTERN AVE. SE
GRAND RAPIDS, MI 49508

DEL SHWS

S109029667
N/A

Relative:
Higher

DELETED HWS:
Facility ID: 41001058
Status: Deleted - available documentation does not support listing

Actual:
693 ft.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GRAND RAPIDS	1001960970	GRAND AUTO SALES AND LEASING	3105 DIVISION AVE S	49548	FINDS,RCRA-CESQG
GRAND RAPIDS	1004533845	CADILLAC PLASTIC & CHEMICAL CO	3015 S DIVISION	49508	FTTS,FINDS,HIST FTTS INSP
GRAND RAPIDS	1004722117	CHRISTIAN MUSIC CTR	2145 DIVISION AVE S	49507	FINDS,RCRA-CESQG
GRAND RAPIDS	1004723738	FLOYDS ELECTRIC SERVICE	3781 CLAY CT SW	49548	FINDS,RCRA-CESQG
GRAND RAPIDS	1004724554	PARIS MOTORS	4112 DIVISION AVE S	49548	FINDS,RCRA-CESQG
WYOMING	1007098453	MIDWAY ENTERPRISES INC	5039 DIVISION AVE S	49548	RCRA-NLR
GRAND RAPIDS	1007100429	FASTENERS INC	2909 BUCHANAN AVE SW	49548	RCRA-CESQG
WYOMING	1007100889	SPEEDWAY SUPERAMERICA LLC	3315 S DIVISION	49508	RCRA-CESQG
GRAND RAPIDS	1007880589	MI DEPT/TRANSPORTATION	US-131 UNDER BURTON STREET	49509	RCRA-CESQG
WYOMING	1007880734	MCGRAW TIRE CO	4359 DIVISION AVE S	49548	RCRA-CESQG
WYOMING	1008193151	WYOMING PUBLIC SCHOOLS	3575 GLADIOLA S.W.	49505	HIST FTTS INSP
GRAND RAPIDS	1008373451	HANKS TIRE & AUTO REPAIR LLC	6600 DIVISION AVE S	49548	RCRA-CESQG
KENTWOOD	1008880929	ADVANCE AUTO PARTS	4424 DIVISION AVE S	49548	RCRA-CESQG
WYOMING	1010012068	WYOMING PUBLIC SCHOOLS	3575 GLADIOLA S.W.	49505	FTTS
WYOMING	1010038339	WYOMING	3647 LINDEN	49509	FINDS
WYOMING	1010320209	SDP CORP	3600 CLYDE PARK AVE SW	49509	RCRA-CESQG
WYOMING	1010320793	MI DEPT/TRANSPORTATION	LAT:42.88417 LONG:85.68061	49550	RCRA-CESQG
GRAND RAPIDS	1010438390	MI DEPT/TRANSPORTATION	LAT:42.88417 LONG:85.68061	49550	FINDS
WYOMING	1010785793	MI DEPT/ENVIRONMENTAL QUALITY	T 06N R 12W WYOMING TWP	49509	RCRA-NLR
TRAVERSE CITY	U003319450	PARKER MOTOR FREIGHT	211 SOUTH US-31 211 S MEMORIAL	49508	LUST,UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 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: 07/26/2010
	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: 07/26/2010
	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: 07/26/2010
	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: 04/14/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/26/2010
	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: 04/16/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/19/2010
	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: 04/16/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/19/2010
	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: 04/16/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/19/2010
	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: 04/16/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/19/2010
	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: Contaminated Sites

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: 02/01/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/03/2010	Telephone: 517-373-9541
Date Made Active in Reports: 02/26/2010	Last EDR Contact: 02/03/2010
Number of Days to Update: 23	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Semi-Annually

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

SWF/LF: Solid Waste Facilities Database

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: 02/03/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/04/2010	Telephone: 517-335-4035
Date Made Active in Reports: 02/26/2010	Last EDR Contact: 04/05/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

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: 03/29/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 04/01/2010	Telephone: 517-373-9837
Date Made Active in Reports: 04/13/2010	Last EDR Contact: 04/01/2010
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/07/2010
	Data Release Frequency: Annually

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2010	Telephone: 415-972-3372
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 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	Source: EPA Region 4
Date Data Arrived at EDR: 03/16/2010	Telephone: 404-562-8677
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

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	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: 02/01/2010
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Quarterly

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/24/2009
Date Data Arrived at EDR: 05/20/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 28

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/01/2010
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
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 46

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Facility List

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: 03/29/2010
Date Data Arrived at EDR: 04/01/2010
Date Made Active in Reports: 04/14/2010
Number of Days to Update: 13

Source: Department of Natural Resources & Environment
Telephone: 517-335-4035
Last EDR Contact: 04/01/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 02/05/2010
Date Data Arrived at EDR: 03/12/2010
Date Made Active in Reports: 04/14/2010
Number of Days to Update: 33

Source: Department of Natural Resources & Environment
Telephone: 517-373-8168
Last EDR Contact: 02/23/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 46

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 02/01/2010
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
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

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

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 02/01/2010
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
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: 404-562-9424
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Semi-Annually

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
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: 02/17/2010
Next Scheduled EDR Contact: 05/17/2010
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
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 9

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/11/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 02/01/2010
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/19/2010
Next Scheduled EDR Contact: 08/02/2010
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 03/26/2010
Date Data Arrived at EDR: 03/26/2010
Date Made Active in Reports: 04/13/2010
Number of Days to Update: 18

Source: Department of Natural Resources & Environment
Telephone: 517-373-4828
Last EDR Contact: 03/08/2010
Next Scheduled EDR Contact: 06/21/2010
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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

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

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 02/12/2010
Date Data Arrived at EDR: 02/12/2010
Date Made Active in Reports: 02/26/2010
Number of Days to Update: 14

Source: Department of Natural Resources & Environment
Telephone: 517-373-4805
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 05/01/2007
Number of Days to Update: 21

Source: Economic Development Corporation
Telephone: 888-522-0103
Last EDR Contact: 03/08/2010
Next Scheduled EDR Contact: 06/21/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 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

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

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

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/28/2003	Telephone: 517-335-4034
Date Made Active in Reports: 03/06/2003	Last EDR Contact: 02/28/2003
Number of Days to Update: 6	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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 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

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support its listing or the site no longer meets criteria specified in rules.

Date of Government Version: 02/04/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/04/2010	Telephone: 517-373-9541
Date Made Active in Reports: 02/26/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008	Source: Department of Community Health
Date Data Arrived at EDR: 11/18/2008	Telephone: 517-373-3740
Date Made Active in Reports: 11/21/2008	Last EDR Contact: 02/02/2010
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/17/2010
	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 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	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 03/17/2010
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/07/2010
	Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 01/05/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/29/2010	Telephone: 517-373-9837
Date Made Active in Reports: 02/26/2010	Last EDR Contact: 01/27/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/10/2010
	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	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/06/2010	Telephone: 202-366-4555
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 04/07/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Annually

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 12/08/2009	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 03/12/2010	Telephone: 517-373-8427
Date Made Active in Reports: 03/23/2010	Last EDR Contact: 03/15/2010
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Quarterly

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	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: 04/16/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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: 04/21/2010
Next Scheduled EDR Contact: 08/02/2010
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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: 04/21/2010
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.

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: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/13/2010	Telephone: 202-343-9775
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 04/14/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/26/2010
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/19/2009	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

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 02/02/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 03/03/2010	Telephone: 517-241-1515
Date Made Active in Reports: 03/23/2010	Last EDR Contact: 02/01/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/26/2010
Date Data Arrived at EDR: 02/05/2010
Date Made Active in Reports: 02/26/2010
Number of Days to Update: 21

Source: Department of Natural Resources & Environment
Telephone: 517-335-4586
Last EDR Contact: 01/25/2010
Next Scheduled EDR Contact: 05/10/2010
Data Release Frequency: Varies

NPDES: List of Active NPDES Permits

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

Date of Government Version: 01/12/2010
Date Data Arrived at EDR: 01/13/2010
Date Made Active in Reports: 01/27/2010
Number of Days to Update: 14

Source: Department of Natural Resources & Environment
Telephone: 517-241-1300
Last EDR Contact: 04/14/2010
Next Scheduled EDR Contact: 07/26/2010
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 11/17/2009
Number of Days to Update: 39

Source: Department of Natural Resources & Environment
Telephone: 517-373-7074
Last EDR Contact: 04/02/2010
Next Scheduled EDR Contact: 07/12/2010
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 03/01/2010
Date Data Arrived at EDR: 03/02/2010
Date Made Active in Reports: 03/23/2010
Number of Days to Update: 21

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541
Last EDR Contact: 02/23/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/21/2010
Next Scheduled EDR Contact: 08/02/2010
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/21/2010
Number of Days to Update: 339	Next Scheduled EDR Contact: 08/02/2010
	Data Release Frequency: N/A

FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/28/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/03/2010	Telephone: 517-335-6610
Date Made Active in Reports: 02/26/2010	Last EDR Contact: 04/12/2010
Number of Days to Update: 23	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/03/2010	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/04/2010	Telephone: 517-335-4034
Date Made Active in Reports: 02/26/2010	Last EDR Contact: 04/05/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/19/2010
	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.

Date of Government Version: 11/09/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/18/2009	Telephone: N/A
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 03/16/2010
Number of Days to Update: 54	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/18/2009	Telephone: 202-566-0517
Date Made Active in Reports: 05/29/2009	Last EDR Contact: 02/24/2010
Number of Days to Update: 100	Next Scheduled EDR Contact: 05/17/2010
	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	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 01/27/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 05/03/2010
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 01/25/2010

Date Data Arrived at EDR: 01/25/2010

Date Made Active in Reports: 01/27/2010

Number of Days to Update: 2

Source: Department of Natural Resources & Environment

Telephone: 586-753-3754

Last EDR Contact: 04/12/2010

Next Scheduled EDR Contact: 07/26/2010

Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

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: 517-241-2254

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

070195 - WYOMING, MI
300 36TH STREET SW
WYOMING, MI 49548

TARGET PROPERTY COORDINATES

Latitude (North):	42.89870 - 42° 53' 55.3"
Longitude (West):	85.6733 - 85° 40' 23.9"
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	608318.4
UTM Y (Meters):	4750204.5
Elevation:	672 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42085-H6 GRAND RAPIDS WEST, MI
Most Recent Revision:	1996

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

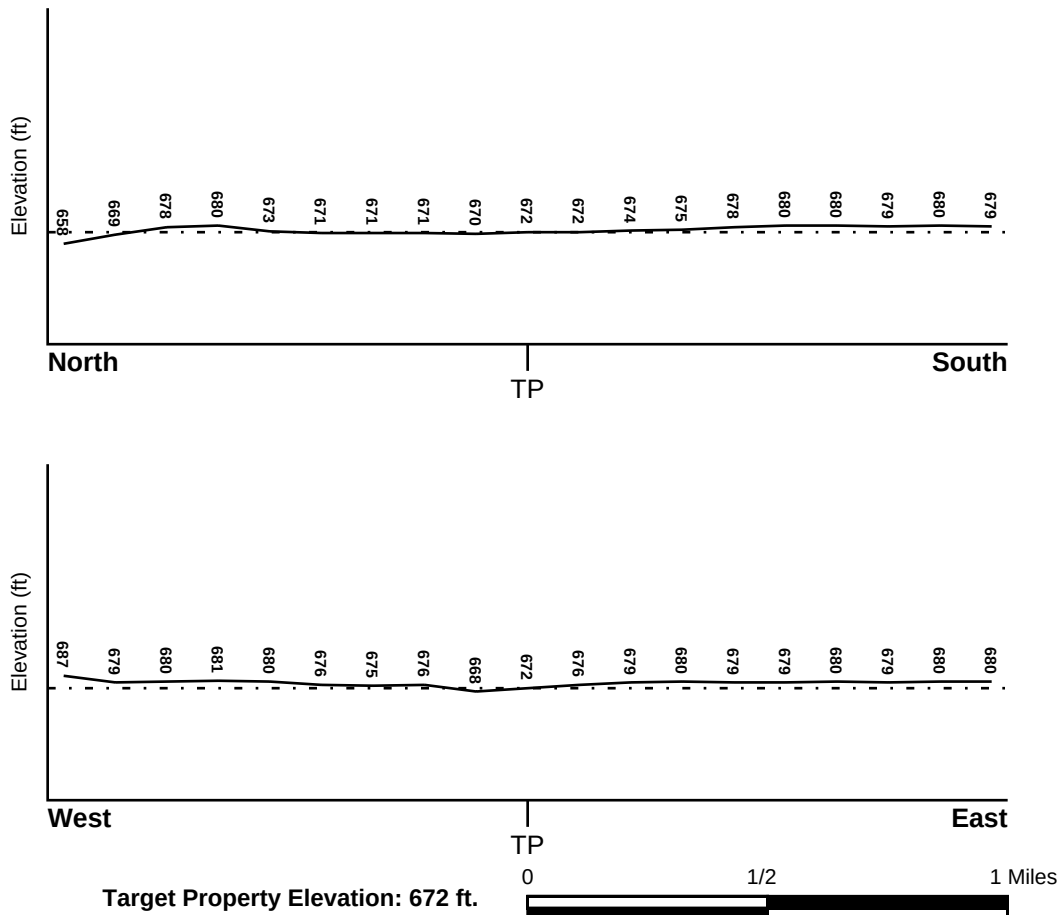
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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
KENT, MI

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

Flood Plain Panel at Target Property: 2601110015C - FEMA Q3 Flood data

Additional Panels in search area: 2601110005C - FEMA Q3 Flood data
2601060025C - FEMA Q3 Flood data
2601070005B - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
GRAND RAPIDS WEST

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.

Site-Specific Hydrogeological Data:*

Search Radius: 1.25 miles
Status: Not found

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 West	NE
2	1/8 - 1/4 Mile SW	Not Reported
3	1/4 - 1/2 Mile SW	NE
4	1/4 - 1/2 Mile East	NNW
5	1/4 - 1/2 Mile ENE	WNW
6	1/4 - 1/2 Mile ESE	Not Reported
7	1/2 - 1 Mile NE	W

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
A9	1/2 - 1 Mile West	E, ESE
A10	1/2 - 1 Mile West	NE
11	1/2 - 1 Mile NE	NW
12	1/2 - 1 Mile SE	SW
B16	1/2 - 1 Mile ENE	Not Reported
B17	1/2 - 1 Mile ENE	WNW
18	1/2 - 1 Mile South	E

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: Meramecian Series
Code: M2 (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).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: PLAINFIELD

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively. Soils have very high and high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.10
2	7 inches	36 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 6.50 Min: 4.50
3	36 inches	60 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 6.50 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loamy sand
loam

Surficial Soil Types: loamy sand
loam

Shallow Soil Types: sandy clay loam
loamy fine sand
sandy loam

Deeper Soil Types: loam
fine sand
sandy loam
silty clay loam
gravelly - sand

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
13	MI20137610	1/2 - 1 Mile SSW
14	MI20137597	1/2 - 1 Mile North
15	MI20147308	1/2 - 1 Mile SE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

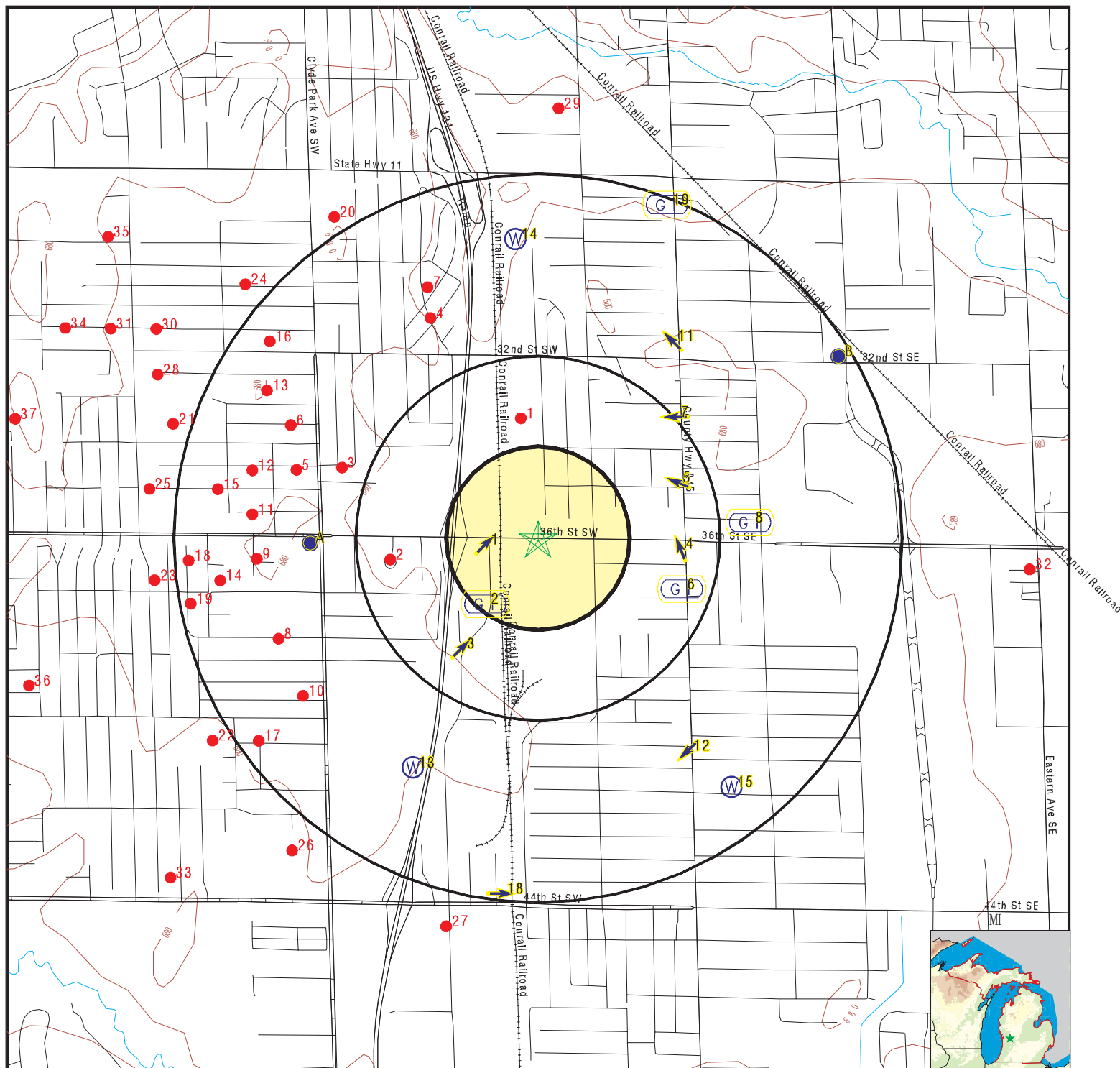
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	MIOG40000015448	1/4 - 1/2 Mile North
2	MIOG40000015380	1/4 - 1/2 Mile West
3	MIOG40000015426	1/2 - 1 Mile WNW
4	MIOG40000015486	1/2 - 1 Mile NNW
5	MIOG40000015423	1/2 - 1 Mile WNW
6	MIOG40000015444	1/2 - 1 Mile WNW
7	MIOG40000015498	1/2 - 1 Mile NNW
8	MIOG40000015339	1/2 - 1 Mile WSW
9	MIOG40000015381	1/2 - 1 Mile West
10	MIOG40000015316	1/2 - 1 Mile SW
11	MIOG40000015398	1/2 - 1 Mile West
12	MIOG40000015422	1/2 - 1 Mile WNW
13	MIOG40000015460	1/2 - 1 Mile WNW
14	MIOG40000015364	1/2 - 1 Mile West
15	MIOG40000015409	1/2 - 1 Mile West
16	MIOG40000015472	1/2 - 1 Mile NW
17	MIOG40000015295	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
18	MIOG40000015378	1/2 - 1 Mile West
19	MIOG40000015353	1/2 - 1 Mile West
20	MIOG40000015514	1 - 2 Miles NNW
21	MIOG40000015446	1 - 2 Miles WNW
22	MIOG40000015296	1 - 2 Miles WSW
23	MIOG40000015365	1 - 2 Miles West
24	MIOG40000015500	1 - 2 Miles NW
25	MIOG40000015410	1 - 2 Miles West
26	MIOG40000015251	1 - 2 Miles SW
27	MIOG40000015228	1 - 2 Miles SSW
28	MIOG40000015467	1 - 2 Miles WNW
29	MIOG40000015540	1 - 2 Miles North
30	MIOG40000015479	1 - 2 Miles WNW
31	MIOG40000015480	1 - 2 Miles WNW
32	MIOG40000015373	1 - 2 Miles East
33	MIOG40000015241	1 - 2 Miles SW
34	MIOG40000015481	1 - 2 Miles WNW
35	MIOG40000015511	1 - 2 Miles NW
36	MIOG40000015317	1 - 2 Miles WSW
37	MIOG40000015447	1 - 2 Miles WNW

PHYSICAL SETTING SOURCE MAP - 2751676.2s



- County Boundary
- Major Roads
- Contour Lines
- 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
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 070195 - Wyoming, MI
 ADDRESS: 300 36th Street SW
 Wyoming MI 49548
 LAT/LONG: 42.8987 / 85.6733

CLIENT: Conestoga-Rovers & Associates
 CONTACT: Kelly F. Connolly
 INQUIRY #: 2751676.2s
 DATE: April 21, 2010 1:54 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1 West 1/8 - 1/4 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410172 NE 9 11 Not Reported 04/28/1992	AQUIFLOW	27773
2 SW 1/8 - 1/4 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410226 Not Reported Not Reported Not Reported 8-10 10/04/1995	AQUIFLOW	28546
3 SW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410714 NE 9 13 Not Reported 02/1995	AQUIFLOW	28585
4 East 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	110751121 NNW Not Reported Not Reported Not Reported 11/05/1991	AQUIFLOW	28453
5 ENE 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	Not Reported WNW 14 19 Not Reported 03/11/1998	AQUIFLOW	28050
6 ESE 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410087 Not Reported Not Reported Not Reported 10 05/16/1997	AQUIFLOW	27997
7 NE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	0-011072 W Not Reported Not Reported Not Reported 04/28/1995	AQUIFLOW	27884

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A9 West 1/2 - 1 Mile Higher	Site ID:	410252	AQUIFLOW	28541
	Groundwater Flow:	E, ESE		
	Shallowest Water Table Depth:	20		
	Deepest Water Table Depth:	30		
	Average Water Table Depth:	Not Reported		
	Date:	05/06/1997		

A10 West 1/2 - 1 Mile Higher	Site ID:	410582	AQUIFLOW	28396
	Groundwater Flow:	NE		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	10		
	Date:	02/22/1989		

11 NE 1/2 - 1 Mile Higher	Site ID:	0-011831	AQUIFLOW	28459
	Groundwater Flow:	NW		
	Shallowest Water Table Depth:	22.61		
	Deepest Water Table Depth:	24.97		
	Average Water Table Depth:	Not Reported		
	Date:	05/30/1995		

12 SE 1/2 - 1 Mile Higher	Site ID:	410637	AQUIFLOW	28022
	Groundwater Flow:	SW		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	2.5-4		
	Date:	12/17/1993		

13 SSW 1/2 - 1 Mile Higher			MI WELLS	MI20137610
---	--	--	-----------------	-------------------

Wellid:	41000002613	Import id:	41061224001
County:	Kent	Township:	Wyoming
Town range:	06N 12W	Section:	24
Owner name:	RESSURECTION CEMETERY		
Well addr:	4100 CLYDE PARK SE		
Well depth:	281		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	384
Const date:	1967-09-12 00:00:00.000	Case type:	Unknown
Case dia:	4		
Case depth:	186.6		
Screen frm:	0		
Screen to:	0		
Swl:	45		
Test depth:	70		
Test hours:	5		
Test rate:	75	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.8895880309		
Longitude:	-85.6800625462		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Methd coll:	Interpolation-Map		
Elevation:	680		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	679	Elev dif:	1
Elev miv:	680	Aq code:	Rock Well
Aq flag:	Not Reported	Pct aq:	35
Pct aq d:	0	Pct aq r:	49
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	37
Pct cm d:	0	Pct cm r:	51
Pct pcm:	28	Pct pcm d:	100
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	80
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	T
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	100	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	100
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	100	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	100
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Within sec:	Y	Loc match:	Y
Aq code 1:	R		
Hit swl:	F		
Athk2:	0		
Horiz Conduct:	.01		
Vert Conduct:	.01		
T2:	.6		
D50plek:	.10361		

14
North
1/2 - 1 Mile
Lower

MI WELLS MI20137597

Wellid:	41000002539	Import id:	41061213001
County:	Kent	Township:	Wyoming
Town range:	06N 12W	Section:	13
Owner name:	OSBORN, C.D.		
Well addr:	2945 HILLCROFT		
Well depth:	45		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	1044
Const date:	1973-10-01 00:00:00.000	Case type:	Unknown
Case dia:	4		
Case depth:	40		
Screen frm:	40		
Screen to:	45		
Swl:	15		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.9106021166		
Longitude:	-85.6745113094		
Methd coll:	Interpolation-Map		
Elevation:	658		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	656	Elev dif:	2
Elev miv:	658	Aq code:	Drift Well
Aq flag:	Not Reported	Pct aq:	100
Pct aq d:	100	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	30	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	30	A pct aq2:	100

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Water Bearing	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	T		
Athk2:	30		
Horiz Conduct:	100		
Vert Conduct:	100		
T2:	3000		
D50plek:	147.92695		

15
SE
1/2 - 1 Mile
Higher

MI WELLS MI20147308

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid:	41000015994	Import id:	Not Reported
County:	Kent	Township:	Paris
Town range:	06N 11W	Section:	19
Owner name:	WYBIE VANDYKE		
Well addr:	111 BELLEVUE SE		
Well depth:	33		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1044
Const date:	1969-04-02 00:00:00.000	Case type:	Unknown
Case dia:	3		
Case depth:	30		
Screen frm:	30		
Screen to:	33		
Swl:	15		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	0	Pmp cpcity:	0
Latitude:	42.88880568		
Longitude:	-85.66281911		
Methd coll:	Interpolation-Map		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	672	Elev dif:	672
Elev miv:	672	Aq code:	Not Reported
Aq flag:	Lithology Problem (Drift under Rock)	Not aq:	0
Pct aq d:	0	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-9
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	18	A pct aq:	28
A pct maq:	72	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	18	A pct aq2:	28
A pct maq2:	72	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	N
Aq code 1:	D		
Hit swl:	T		
Athk2:	18		
Horiz Conduct:	55.56278		
Vert Conduct:	.01385		
T2:	1000.13		
D50plek:	31.32183		

B16 ENE 1/2 - 1 Mile Higher	Site ID: 0-013853 Groundwater Flow: Not Reported Shallowest Water Table Depth: Not Reported Deepest Water Table Depth: Not Reported Average Water Table Depth: 15 Date: 05/29/1990	AQUIFLOW	28423
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B17 ENE 1/2 - 1 Mile Higher	Site ID: 0-019332 Groundwater Flow: WNW Shallowest Water Table Depth: Not Reported Deepest Water Table Depth: Not Reported Average Water Table Depth: 10 Date: 09/17/1998	AQUIFLOW	28627
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18 South 1/2 - 1 Mile Higher	Site ID: 410702 Groundwater Flow: E Shallowest Water Table Depth: Not Reported Deepest Water Table Depth: Not Reported Average Water Table Depth: 15 Date: 02/27/1998	AQUIFLOW	27768
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

North

1/4 - 1/2 Mile

OIL_GAS

MIOG40000015448

Api wellno:	21081062560000		
Operator no:	4041		
Operator Name:	SWANSON CONSOLIDATED OIL CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	GRAND RAPIDS	Operator State:	MI
Permit no:	6256		
Lease name:	RICHARDSON, C		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	2001	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	13
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	SW	Wh qq:	NW
Wh q:	SE		
Wh lat:	42.90347		
Wh long:	-85.67423		
Wh georef :	526465.5		
Wh georef1:	261448.2		
Bh georef :	526465.5		
Bh georef1:	261448.2		
Bh sourcel:	C		
Bh lat:	42.90347		
Bh long:	-85.67423		
Site id:	MIOG40000015448		

2

West

1/4 - 1/2 Mile

OIL_GAS

MIOG40000015380

Api wellno:	21081068560000		
Operator no:	3398		
Operator Name:	HARRIS OIL CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	SOUTH HAVEN	Operator State:	MI
Permit no:	6856		
Lease name:	KAMMEN, LOUIS & SENA		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1972	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	24
Wh twpn:	6	Wh twpd:	N

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wh rngn:	12	Wh rngd:	W
Wh qq:	NE	Wh qq:	NW
Wh q:	NW		
Wh lat:	42.89785		
Wh long:	-85.6813		
Wh georef :	525890.86		
Wh georef1:	260821.62		
Bh georef :	525890.86		
Bh georef1:	260821.62		
Bh sourcel:	C		
Bh lat:	42.89785		
Bh long:	-85.6813		
Site id:	MIOG40000015380		

3

WNW

1/2 - 1 Mile

OIL_GAS

MIOG40000015426

Api wellno:	21081060370000		
Operator no:	2343		
Operator Name:	SPRENGER BROTHERS		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	6037		
Lease name:	MILLER, SEMPOSKI, MACNEAL COMM.		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1930	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	13
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	NW	Wh qq:	SW
Wh q:	SW		
Wh lat:	42.90151		
Wh long:	-85.68391		
Wh georef :	525675.91		
Wh georef1:	261227.26		
Bh georef :	525675.91		
Bh georef1:	261227.26		
Bh sourcel:	C		
Bh lat:	42.90151		
Bh long:	-85.68391		
Site id:	MIOG40000015426		

4

NNW

1/2 - 1 Mile

OIL_GAS

MIOG40000015486

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	21081070520000		
Operator no:	1571		
Operator Name:	MARX AND SCHERER		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7052		
Lease name:	PECK, LEWIS		
Well no:	2		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1923	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	13
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	SW	Wh qq:	SE
Wh q:	NW		
Wh lat:	42.90746		
Wh long:	-85.67912		
Wh georef :	526063.98		
Wh georef1:	261889.78		
Bh georef :	526063.98		
Bh georef1:	261889.78		
Bh sourcel:	C		
Bh lat:	42.90746		
Bh long:	-85.67912		
Site id:	MIOG40000015486		

5

WNW

1/2 - 1 Mile

OIL_GAS

MIOG40000015423

Api wellno:	21081066840000		
Operator no:	190		
Operator Name:	ATHA JOHN R		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	6684		
Lease name:	RODENHOUSE, A.		
Well no:	1		
Deepest fmt:	TRVR	Obj fmtn:	Not Reported
Drillerstd:	1901	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	NE	Wh qq:	SE
Wh q:	SE		
Wh lat:	42.90142		
Wh long:	-85.68637		
Wh georef :	525475.12		
Wh georef1:	261216.12		
Bh georef :	525475.12		
Bh georef1:	261216.12		
Bh sourcel:	C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Bh lat: 42.90142
Bh long: -85.68637
Site id: MIOG40000015423

6

WNW

1/2 - 1 Mile

OIL_GAS

MIOG40000015444

Api wellno:	21081062540000		
Operator no:	4041		
Operator Name:	SWANSON CONSOLIDATED OIL CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	GRAND RAPIDS	Operator State:	MI
Permit no:	6254		
Lease name:	DECKER & JEAN		
Well no:	A-1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1926	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	SE	Wh qq:	NE
Wh q:	SE		
Wh lat:	42.9032		
Wh long:	-85.68668		
Wh georef :	525449.02		
Wh georef1:	261414.45		
Bh georef :	525449.02		
Bh georef1:	261414.45		
Bh sourcel:	C		
Bh lat:	42.9032		
Bh long:	-85.68668		
Site id:	MIOG40000015444		

7

NNW

1/2 - 1 Mile

OIL_GAS

MIOG40000015498

Api wellno:	21081065740000		
Operator no:	2060		
Operator Name:	ROSE LOUIS		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	6574		
Lease name:	PECK, LEWIS		
Well no:	1		
Deepest fmt:	TRVR	Obj fmtn:	Not Reported
Drillerstd:	2000	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	13
Wh twpn:	6	Wh twpd:	N

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wh rngn:	12	Wh rngd:	W
Wh qq:	NW	Wh qq:	SE
Wh q:	NW		
Wh lat:	42.90868		
Wh long:	-85.67928		
Wh georef :	526050.65		
Wh georef1:	262025.34		
Bh georef :	526050.65		
Bh georef1:	262025.34		
Bh sourcel:	C		
Bh lat:	42.90868		
Bh long:	-85.67928		
Site id:	MIOG40000015498		

8

WSW

1/2 - 1 Mile

OIL_GAS

MIOG40000015339

Api wellno:	21081071320000		
Operator no:	1227		
Operator Name:	JOHNSON NORMAN F		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7132		
Lease name:	MURPHY, MARY		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1884	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	23
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	N2	Wh qq:	SE
Wh q:	NE		
Wh lat:	42.8947		
Wh long:	-85.68734		
Wh georef :	525399.06		
Wh georef1:	260470.39		
Bh georef :	525399.06		
Bh georef1:	260470.39		
Bh sourcel:	C		
Bh lat:	42.8947		
Bh long:	-85.68734		
Site id:	MIOG40000015339		

9

West

1/2 - 1 Mile

OIL_GAS

MIOG40000015381

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	21081073960000		
Operator no:	769		
Operator Name:	ERBIN OIL AND GAS CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7396		
Lease name:	MICHELL PLAT		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1920	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	23
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	NW	Wh qq:	NE
Wh q:	NE		
Wh lat:	42.89788		
Wh long:	-85.68852		
Wh georef :	525301.04		
Wh georef1:	260822.44		
Bh georef :	525301.04		
Bh georef1:	260822.44		
Bh sourcel:	C		
Bh lat:	42.89788		
Bh long:	-85.68852		
Site id:	MIOG40000015381		

10
SW
1/2 - 1 Mile

OIL_GAS

MIOG40000015316

Api wellno:	21081068390000		
Operator no:	818		
Operator Name:	FISHER MCCALL OIL AND GAS INC AND SACKNER W E		
Operator Status:	Past claim against co bond		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	6839		
Lease name:	PRATT, EVA		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1909	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	23
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	SE	Wh qq:	SE
Wh q:	NE		
Wh lat:	42.89243		
Wh long:	-85.68602		
Wh georef :	525507.62		
Wh georef1:	260218.43		
Bh georef :	525507.62		
Bh georef1:	260218.43		
Bh sourcel:	C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Bh lat: 42.89243
Bh long: -85.68602
Site id: MIOG40000015316

11

West

1/2 - 1 Mile

OIL_GAS

MIOG40000015398

Api wellno:	21081072700000		
Operator no:	190		
Operator Name:	ATHA JOHN R		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7270		
Lease name:	HOP		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1907	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qqg:	SW	Wh qq:	SE
Wh q:	SE		
Wh lat:	42.89965		
Wh long:	-85.68876		
Wh georef :	525280.81		
Wh georef1:	261019.09		
Bh georef :	525280.81		
Bh georef1:	261019.09		
Bh sourcel:	C		
Bh lat:	42.89965		
Bh long:	-85.68876		
Site id:	MIOG40000015398		

12

WNW

1/2 - 1 Mile

OIL_GAS

MIOG40000015422

Api wellno:	21081071670000		
Operator no:	190		
Operator Name:	ATHA JOHN R		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7167		
Lease name:	PLAT, G. M.		
Well no:	1		
Deepest fmt:	TRVR	Obj fmtn:	Not Reported
Drillerstd:	1910	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wh rngn:	12	Wh rngd:	W
Wh qq:	NW	Wh qq:	SE
Wh q:	SE		
Wh lat:	42.9014		
Wh long:	-85.68876		
Wh georef :	525280.15		
Wh georef1:	261213.26		
Bh georef :	525280.15		
Bh georef1:	261213.26		
Bh sourcel:	C		
Bh lat:	42.9014		
Bh long:	-85.68876		
Site id:	MIOG40000015422		

13

WNW

1/2 - 1 Mile

OIL_GAS

MIOG40000015460

Api wellno:	21081075860000		
Operator no:	190		
Operator Name:	ATHA JOHN R		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7586		
Lease name:	PORTER, WILMA		
Well no:	1		
Deepest fmt:	TRVR	Obj fmtn:	Not Reported
Drillerstd:	1910	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	NW	Wh qq:	NE
Wh q:	SE		
Wh lat:	42.90458		
Wh long:	-85.68797		
Wh georef :	525342.82		
Wh georef1:	261567.1		
Bh georef :	525342.82		
Bh georef1:	261567.1		
Bh sourcel:	C		
Bh lat:	42.90458		
Bh long:	-85.68797		
Site id:	MIOG40000015460		

14

West

1/2 - 1 Mile

OIL_GAS

MIOG40000015364

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	21081068400000		
Operator no:	818		
Operator Name:	FISHER MCCALL OIL AND GAS INC AND SACKNER W E		
Operator Status:	Past claim against co bond		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	6840		
Lease name:	KLAVER, JOHN		
Well no:	1		
Deepest fmt:	TRVR	Obj fmtn:	Not Reported
Drillerstd:	1916	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	23
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	E2	Wh qq:	NW
Wh q:	NE		
Wh lat:	42.89702		
Wh long:	-85.6905		
Wh georef :	525139.57		
Wh georef1:	260726.84		
Bh georef :	525139.57		
Bh georef1:	260726.84		
Bh sourcel:	C		
Bh lat:	42.89702		
Bh long:	-85.6905		
Site id:	MIOG40000015364		

15

West

1/2 - 1 Mile

OIL_GAS

MIOG40000015409

Api wellno:	21081071580000		
Operator no:	1643		
Operator Name:	MICHIGAN DEVONIAN PETROLEUM CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7158		
Lease name:	JANSMA, SIDNEY ET AL COMM.		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1918	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	SE	Wh qq:	SW
Wh q:	SE		
Wh lat:	42.90065		
Wh long:	-85.69063		
Wh georef :	525127.27		
Wh georef1:	261129.21		
Bh georef :	525127.27		
Bh georef1:	261129.21		
Bh sourcel:	C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Bh lat: 42.90065
Bh long: -85.69063
Site id: MIOG40000015409

16
NW
1/2 - 1 Mile

OIL_GAS

MIOG40000015472

Api wellno:	21081069080000		
Operator no:	613		
Operator Name:	CROWN DEVELOPMENT CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	6908		
Lease name:	ROGERS, E M EST		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1894	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qqg:	S2	Wh qq:	SE
Wh q:	NE		
Wh lat:	42.90653		
Wh long:	-85.68782		
Wh georef :	525354.8		
Wh georef1:	261783.44		
Bh georef :	525354.8		
Bh georef1:	261783.44		
Bh sourcel:	C		
Bh lat:	42.90653		
Bh long:	-85.68782		
Site id:	MIOG40000015472		

17
SW
1/2 - 1 Mile

OIL_GAS

MIOG40000015295

Api wellno:	21081070730000		
Operator no:	2668		
Operator Name:	WELSH OIL CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7073		
Lease name:	GUARANTEE BOND AND MORTGAGE CO.		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1890	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	23
Wh twpn:	6	Wh twpd:	N

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wh rngn:	12	Wh rngd:	W
Wh qq:	NW	Wh qq:	NE
Wh q:	SE		
Wh lat:	42.89064		
Wh long:	-85.68842		
Wh georef :	525312.8		
Wh georef1:	260018.15		
Bh georef :	525312.8		
Bh georef1:	260018.15		
Bh sourcel:	C		
Bh lat:	42.89064		
Bh long:	-85.68842		
Site id:	MIOG40000015295		

18 West 1/2 - 1 Mile

OIL_GAS MIOG40000015378

Api wellno:	21081069720000		
Operator no:	4041		
Operator Name:	SWANSON CONSOLIDATED OIL CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	GRAND RAPIDS	Operator State:	MI
Permit no:	6972		
Lease name:	COLLINS, H FRED		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1924	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	23
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	NE	Wh qq:	NW
Wh q:	NE		
Wh lat:	42.89781		
Wh long:	-85.69221		
Wh georef :	525000.22		
Wh georef1:	260814.05		
Bh georef :	525000.22		
Bh georef1:	260814.05		
Bh sourcel:	C		
Bh lat:	42.89781		
Bh long:	-85.69221		
Site id:	MIOG40000015378		

19 West 1/2 - 1 Mile

OIL_GAS MIOG40000015353

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	21081070920000		
Operator no:	3455		
Operator Name:	CHRISTIAN OIL CO		
Operator Status:	Active-		
Operator City:	ALLEGAN	Operator State:	MI
Permit no:	7092		
Lease name:	COLLINS		
Well no:	2		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1903	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	23
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	SE	Wh qq:	NW
Wh q:	NE		
Wh lat:	42.8961		
Wh long:	-85.6921		
Wh georef :	525009.9		
Wh georef1:	260624.14		
Bh georef :	525009.9		
Bh georef1:	260624.14		
Bh sourcel:	C		
Bh lat:	42.8961		
Bh long:	-85.6921		
Site id:	MIOG40000015353		

20
NNW
1 - 2 Miles

OIL_GAS

MIOG40000015514

Api wellno:	21081071080000		
Operator no:	613		
Operator Name:	CROWN DEVELOPMENT CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7108		
Lease name:	HERPOLSHEIMER, W. ESTATE		
Well no:	1		
Deepest fmt:	TRVR	Obj fmtn:	Not Reported
Drillerstd:	1892	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	13
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	W2	Wh qq:	NW
Wh q:	NW		
Wh lat:	42.91148		
Wh long:	-85.68433		
Wh georef :	525637.4		
Wh georef1:	262334.07		
Bh georef :	525637.4		
Bh georef1:	262334.07		
Bh sourcel:	C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Bh lat: 42.91148
Bh long: -85.68433
Site id: MIOG40000015514

21

WNW

1 - 2 Miles

OIL_GAS

MIOG40000015446

Api wellno:	21081063180000		
Operator no:	4041		
Operator Name:	SWANSON CONSOLIDATED OIL CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	GRAND RAPIDS	Operator State:	MI
Permit no:	6318		
Lease name:	DECKER & JEAN		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1918	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	SW	Wh qq:	NW
Wh q:	SE		
Wh lat:	42.90325		
Wh long:	-85.69305		
Wh georef :	524928.58		
Wh georef1:	261417.15		
Bh georef :	524928.58		
Bh georef1:	261417.15		
Bh sourcel:	C		
Bh lat:	42.90325		
Bh long:	-85.69305		
Site id:	MIOG40000015446		

22

WSW

1 - 2 Miles

OIL_GAS

MIOG40000015296

Api wellno:	21081069070000		
Operator no:	613		
Operator Name:	CROWN DEVELOPMENT CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	6907		
Lease name:	LAND ASSOCIATION		
Well no:	3		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1900	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	23
Wh twpn:	6	Wh twpd:	N

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wh rngn:	12	Wh rngd:	W
Wh qq:	NE	Wh qq:	NW
Wh q:	SE		
Wh lat:	42.89065		
Wh long:	-85.69091		
Wh georef :	525109.44		
Wh georef1:	260019.07		
Bh georef :	525109.44		
Bh georef1:	260019.07		
Bh sourcel:	C		
Bh lat:	42.89065		
Bh long:	-85.69091		
Site id:	MIOG40000015296		

23 West 1 - 2 Miles

OIL_GAS MIOG40000015365

Api wellno:	21081072580000		
Operator no:	190		
Operator Name:	ATHA JOHN R		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7258		
Lease name:	THOMASMA, HARRY		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1925	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	23
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	W2	Wh qq:	NW
Wh q:	NE		
Wh lat:	42.89703		
Wh long:	-85.69405		
Wh georef :	524850.02		
Wh georef1:	260726.34		
Bh georef :	524850.02		
Bh georef1:	260726.34		
Bh sourcel:	C		
Bh lat:	42.89703		
Bh long:	-85.69405		
Site id:	MIOG40000015365		

24 NW 1 - 2 Miles

OIL_GAS MIOG40000015500

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	21081118690000		
Operator no:	190		
Operator Name:	ATHA JOHN R		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	11869		
Lease name:	ROGERS, E. M. EST.		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1938	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	NW	Wh qq:	SE
Wh q:	NE		
Wh lat:	42.9088		
Wh long:	-85.68914		
Wh georef :	525245.45		
Wh georef1:	262035.47		
Bh georef :	525245.45		
Bh georef1:	262035.47		
Bh sourcel:	C		
Bh lat:	42.9088		
Bh long:	-85.68914		
Site id:	MIOG40000015500		

25

West

1 - 2 Miles

OIL_GAS

MIOG40000015410

Api wellno:	21081075040000		
Operator no:	190		
Operator Name:	ATHA JOHN R		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7504		
Lease name:	JELSMA, BERT		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1904	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	NW	Wh qq:	SW
Wh q:	SE		
Wh lat:	42.90066		
Wh long:	-85.69433		
Wh georef :	524825.49		
Wh georef1:	261129.96		
Bh georef :	524825.49		
Bh georef1:	261129.96		
Bh sourcel:	C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Bh lat: 42.90066
Bh long: -85.69433
Site id: MIOG40000015410

26
SW
1 - 2 Miles

OIL_GAS

MIOG40000015251

Api wellno: 21081070140000
Operator no: 2711
Operator Name: WHITNEY AL AND FOLSOM JOHN P
Operator Status: Inactive-no active wells at present
Operator City: Not Reported Operator State: Not Reported
Permit no: 7014
Lease name: KING, MARGRET A. & ARTHUR L.
Well no: 1
Deepest fmt: Not Reported Obj fmtn: Not Reported
Drillerstd: 0 Truetd: 0
County: KENT Slant: V
Well type: Location only Well status: Terminated Permit
Source loc: C Wh sec: 23
Wh twpn: 6 Wh twpd: N
Wh rngn: 12 Wh rngd: W
Wh qqg: NE Wh qq: SE
Wh q: SE
Wh lat: 42.88628
Wh long: -85.68661
Wh georef : 525462.22
Wh georef1: 259534.56
Bh georef : 525462.22
Bh georef1: 259534.56
Bh sourcel: C
Bh lat: 42.88628
Bh long: -85.68661
Site id: MIOG40000015251

27
SSW
1 - 2 Miles

OIL_GAS

MIOG40000015228

Api wellno: 21081070440000
Operator no: 1764
Operator Name: MUSKEGON OIL CORP
Operator Status: Inactive-no active wells at present
Operator City: Not Reported Operator State: Not Reported
Permit no: 7044
Lease name: GRAND RAPIDS INDUSTRIAL LAND ASSOCIATION
Well no: 1
Deepest fmt: TRVR4 Obj fmtn: Not Reported
Drillerstd: 1929 Truetd: 0
County: KENT Slant: V
Well type: Dry Hole Well status: Plugging Approved
Source loc: C Wh sec: 25
Wh twpn: 6 Wh twpd: N

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wh rngn:	12	Wh rngd:	W
Wh qq:	NW	Wh qq:	NE
Wh q:	NW		
Wh lat:	42.88326		
Wh long:	-85.67827		
Wh georef :	526144.57		
Wh georef1:	259202.97		
Bh georef :	526144.57		
Bh georef1:	259202.97		
Bh sourcel:	C		
Bh lat:	42.88326		
Bh long:	-85.67827		
Site id:	MIOG40000015228		

28 WNW 1 - 2 Miles

OIL_GAS MIOG40000015467

Api wellno:	21081075100000		
Operator no:	1221		
Operator Name:	JOHNSON CONRAD S		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7510		
Lease name:	BLASS ET AL COMM.		
Well no:	1		
Deepest fmt:	GCDF	Obj fmtn:	Not Reported
Drillerstd:	95	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	NW	Wh qq:	NW
Wh q:	SE		
Wh lat:	42.90521		
Wh long:	-85.69389		
Wh georef :	524859.28		
Wh georef1:	261635.14		
Bh georef :	524859.28		
Bh georef1:	261635.14		
Bh sourcel:	C		
Bh lat:	42.90521		
Bh long:	-85.69389		
Site id:	MIOG40000015467		

29 North 1 - 2 Miles

OIL_GAS MIOG40000015540

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	21081072740000		
Operator no:	2668		
Operator Name:	WELSH OIL CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7274		
Lease name:	PECK, L. T.		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1908	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	12
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	NE	Wh qq:	SW
Wh q:	SE		
Wh lat:	42.9158		
Wh long:	-85.67219		
Wh georef :	526625.74		
Wh georef1:	262818.05		
Bh georef :	526625.74		
Bh georef1:	262818.05		
Bh sourcel:	C		
Bh lat:	42.9158		
Bh long:	-85.67219		
Site id:	MIOG40000015540		

30
WNW
1 - 2 Miles

OIL_GAS

MIOG40000015479

Api wellno:	21081076380000		
Operator no:	956		
Operator Name:	GORDON OIL CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7638		
Lease name:	ROGERS, LEWIS C.		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1974	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	SW	Wh qq:	SW
Wh q:	NE		
Wh lat:	42.90702		
Wh long:	-85.69396		
Wh georef :	524852.71		
Wh georef1:	261836.34		
Bh georef :	524852.71		
Bh georef1:	261836.34		
Bh sourcel:	C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Bh lat: 42.90702
Bh long: -85.69396
Site id: MIOG40000015479

31
WNW

1 - 2 Miles

OIL_GAS

MIOG40000015480

Api wellno:	21081074030000		
Operator no:	2608		
Operator Name:	VOORHEES DRILLING CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7403		
Lease name:	WHALEN, KRYON J.		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1904	Truetd:	0
County:	KENT	Slant:	V
Well type:	Oil	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qqg:	SE	Wh qq:	SE
Wh q:	NW		
Wh lat:	42.90704		
Wh long:	-85.69643		
Wh georef :	524651.5		
Wh georef1:	261837.39		
Bh georef :	524651.5		
Bh georef1:	261837.39		
Bh sourcel:	C		
Bh lat:	42.90704		
Bh long:	-85.69643		
Site id:	MIOG40000015480		

32
East

1 - 2 Miles

OIL_GAS

MIOG40000015373

Api wellno:	21081001540000		
Operator no:	1663		
Operator Name:	MID CONTINENT DEVELOPMENT CO INC		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	154		
Lease name:	EARLEY, G.		
Well no:	1		
Deepest fmt:	Not Reported	Obj fmtn:	Not Reported
Drillerstd:	2467	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	19
Wh twpn:	6	Wh twpd:	N

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wh rngn:	11	Wh rngd:	W
Wh qq:	NE	Wh qq:	NE
Wh q:	NE		
Wh lat:	42.89746		
Wh long:	-85.64669		
Wh georef :	528716.36		
Wh georef1:	260790.69		
Bh georef :	528716.36		
Bh georef1:	260790.69		
Bh sourcel:	C		
Bh lat:	42.89746		
Bh long:	-85.64669		
Site id:	MIOG40000015373		

33

SW

1 - 2 Miles

OIL_GAS

MIOG40000015241

Api wellno:	21081063280000		
Operator no:	865		
Operator Name:	FORTNEY OIL CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	6328		
Lease name:	GRAND RAPIDS INDUSTRIAL LAND ASSOCIATION		
Well no:	1		
Deepest fmt:	DRRV	Obj fmtn:	Not Reported
Drillerstd:	2211	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	23
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	SW	Wh qq:	SW
Wh q:	SE		
Wh lat:	42.8852		
Wh long:	-85.69319		
Wh georef :	524925.54		
Wh georef1:	259413.11		
Bh georef :	524925.54		
Bh georef1:	259413.11		
Bh sourcel:	C		
Bh lat:	42.8852		
Bh long:	-85.69319		
Site id:	MIOG40000015241		

34

WNW

1 - 2 Miles

OIL_GAS

MIOG40000015481

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	21081078690000		
Operator no:	2464		
Operator Name:	TEMPLE AND LINIGER		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7869		
Lease name:	WHALEN		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1914	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	SW	Wh qq:	SE
Wh q:	NW		
Wh lat:	42.90706		
Wh long:	-85.69889		
Wh georef :	524450.3		
Wh georef1:	261838.43		
Bh georef :	524450.3		
Bh georef1:	261838.43		
Bh sourcel:	C		
Bh lat:	42.90706		
Bh long:	-85.69889		
Site id:	MIOG40000015481		

35
NW

1 - 2 Miles

OIL_GAS

MIOG40000015511

Api wellno:	21081059610000		
Operator no:	882		
Operator Name:	FREELAND AND ROGERS TRUSTEE		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	5961		
Lease name:	WHALEN		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	2255	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qq:	SE	Wh qq:	NE
Wh q:	NW		
Wh lat:	42.91069		
Wh long:	-85.69657		
Wh georef :	524638.27		
Wh georef1:	262242.59		
Bh georef :	524638.27		
Bh georef1:	262242.59		
Bh sourcel:	C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Bh lat: 42.91069
Bh long: -85.69657
Site id: MIOG40000015511

36

WSW

1 - 2 Miles

OIL_GAS

MIOG40000015317

Api wellno:	21081070060000		
Operator no:	2608		
Operator Name:	VOORHEES DRILLING CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7006		
Lease name:	GLEASON, W.		
Well no:	1		
Deepest fmt:	TRVR	Obj fmtn:	Not Reported
Drillerstd:	2102	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	23
Wh twpn:	6	Wh twpd:	N
Wh rngn:	12	Wh rngd:	W
Wh qqg:	SE	Wh qq:	SW
Wh q:	NW		
Wh lat:	42.89284		
Wh long:	-85.70085		
Wh georef :	524296.51		
Wh georef1:	260258.97		
Bh georef :	524296.51		
Bh georef1:	260258.97		
Bh sourcel:	C		
Bh lat:	42.89284		
Bh long:	-85.70085		
Site id:	MIOG40000015317		

37

WNW

1 - 2 Miles

OIL_GAS

MIOG40000015447

Api wellno:	21081071620000		
Operator no:	553		
Operator Name:	COLUMBIA OIL AND GAS CO		
Operator Status:	Inactive-no active wells at present		
Operator City:	Not Reported	Operator State:	Not Reported
Permit no:	7162		
Lease name:	KROMER, HENRY		
Well no:	1		
Deepest fmt:	TRVR4	Obj fmtn:	Not Reported
Drillerstd:	1893	Truetd:	0
County:	KENT	Slant:	V
Well type:	Dry Hole	Well status:	Plugging Approved
Source loc:	C	Wh sec:	14
Wh twpn:	6	Wh twpd:	N

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wh rngn:	12	Wh rngd:	W
Wh qq:	SE	Wh qq:	NW
Wh q:	SW		
Wh lat:	42.90345		
Wh long:	-85.7016		
Wh georef :	524230.51		
Wh georef1:	261437.23		
Bh georef :	524230.51		
Bh georef1:	261437.23		
Bh source1:	C		
Bh lat:	42.90345		
Bh long:	-85.7016		
Site id:	MIOG40000015447		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KENT 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 KENT COUNTY, MI

Number of sites tested: 72

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.797 pCi/L	93%	7%	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: 517-241-2254

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

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Michigan Department of Natural Resources

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551

Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

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 IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

STREET AND ADDRESS INFORMATION

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300 36TH STREET
300 36TH STREET
GRAND RAPIDS, MI

Inquiry Number:
April 27, 2010

EDR Site Report™

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The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary Page 3

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases and Update Information. Page 7

Name, source, update dates, contact phone number and description of each of the databases for this report.

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

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SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 300 36TH STREET 300 36TH STREET GRAND RAPIDS, MI EDR ID #2006795380
AREA	
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	YES - p4
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility has reported emergency releases to the soil

DATABASE: Emergency Response Notification System (ERNS)

300 36TH STREET
300 36TH STREET
GRAND RAPIDS, MI
EDR ID #2006795380

ERNS:

Site ID:	2006795380
Incident cause:	UNKNOWN
Incident desc:	THE MONITORING SYSTEM CONNECTED TO A LEVEL SENSOR ON A 3000 GALLON STORAGE TANK HAS GONE OFF. THERE IS CURRENTLY A POTENTIAL FOR A RELEASE OF GASOLINE ONTO THE SOIL. THE REPORTING PARTY SUSPECTS THAT THE LEVEL SENSOR IS FAULTY. AN INVESTIGATION IS UNDERW
Incident type:	STORAGE TANK
Incident date:	04/27/06
Incident TG:	OCCURRED
Inc location:	Not reported
Incident address:	300 36TH STREET GRAND RAPIDS, MI
Distance from city:	Not reported
Lat/Long:	0/0
Lat/Long quad:	/
Incident date:	04/27/06
Township/section/range://	
WMD flag:	Not reported
Bio flag:	Not reported
Oil flag:	Not reported
Potential:	Not reported
Amt material flag:	Not reported
Military:	Not reported
LNG flag:	Not reported
Fire involved:	No
Fire extinguished:	Unknown
Any evacuees:	No
Number of evacs:	Not reported
Who evacuated:	Not reported
Radius of evacuation:	Not reported
Any injuries:	No
Number injured:	Not reported
Number hospitalized:	Not reported
Any fatalities:	No
Any damage:	No
Damage amount:	Not reported
Air corridor desc:	Not reported
Air corridor closed:	Not reported
Water description:	Not reported
Water closed:	No
Water closed time:	Not reported
Road closed:	No
Road closed desc:	Not reported
Road closed time:	Not reported
Closure direction:	Not reported
Major artery:	No
Track closed:	Not reported
Track closed time:	Not reported
Tr. close direction:	N
Track description:	Not reported
Media interest:	NONE
Medium affected:	OTHER
Additional medium:	POTENTIAL SOIL RELEASE
Body of water:	Not reported
Tributary:	Not reported
Near river:	Not reported
Release secured:	Unknown
Est. duration of rel.:	Not reported
Release rate:	Not reported
Rel. rate units:	Not reported
Rel. per units:	Not reported
Remedial action:	INVESTIGATION UNDERWAY
Agency on scene:	Not reported
Other agency:	Not reported
State agency notified:	Not reported
State report #:	Not reported
Fed. agency notified:	Not reported
Structure name:	Not reported

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Structure type:	Not reported
Struct. operator:	Not reported
Weather:	CLEAR
Air temp:	Not reported
Wind speed:	Not reported
Wind speed unit:	Not reported
Wind direction:	Not reported
Water contaminated:	Unknown
Sheen size:	Not reported
Sheen size units:	Not reported
Sheen color:	Not reported
Sheen odor:	Not reported
Sheen length:	Not reported
Sheen len. units:	Not reported
Sheen width:	Not reported
Sheen wid. units:	Not reported
Wave condit:	Not reported
Current speed:	Not reported
Current speed units:	Not reported
Current direction:	Not reported
Water temp:	Not reported
Allision:	Not reported
Employees injured:	Not reported
Employee fatalities:	Not reported
Passengers injured:	Not reported
Passenger fatalities:	Not reported
Occupant fatalities:	Not reported
Community impact:	No
Offshore:	Not reported
Addition info:	NONE
Aircraft type:	Not reported
Aircraft model:	Not reported
Aircraft ID:	Not reported
Aircraft fuel cap:	Not reported
Capacity units:	Not reported
Fuel onboard:	Not reported
Fuel units:	Not reported
Spot number:	Not reported
AC hanger:	Not reported
AC runway:	Not reported
Mile marker:	Not reported
Building ID:	Not reported
Type fixed obj:	Not reported
Power gen facility:	Unknown
Generation capacity:	Not reported
Fuel type:	Not reported
NPDES:	Not reported
NPDES compliance:	Unknown
Pipe type:	Not reported
DOT regulated:	Unknown
Pipe above:	ABOVE
Exposed underwtr:	No
Pipe covered:	Unknown
Grade crossing:	No
Location subdivision:	Not reported
Railroad milepost:	Not reported
Vehicle type:	Not reported
Crossing device:	Not reported
Device operational:	Yes
DOT crossing #:	Not reported
Brakes failed:	No
Tank description:	GASOLINE STORAGE TANK
Above ground tank:	ABOVE
Tank regulated:	Unknown
Tank ID:	Not reported
Tank regulated by:	Not reported
Tank capacity:	3000
Capacity units:	GALLON(S)
Actual amount:	Not reported
Amount units:	Not reported
Transportable container:	Unknown
Platform rig name:	Not reported
Platform letter:	Not reported
Local area ID:	Not reported
Local block ID:	Not reported
OCSG number:	Not reported
State lease #:	Not reported
Pier dock #:	Not reported
Berth slip #:	Not reported
Initial continuous rel #:	Not reported
Cont. rel permit:	Not reported
Allision:	No
Structure type:	Not reported
Structure:	Not reported

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Structure operator: U
Air bag deployed: Not reported
Date time normal srv: Not reported
Service disruption time: Not reported
Transit bus flag: Not reported
Begin date: Not reported
End date: Not reported
Change date: Not reported

Call received date: 04/27/06
Complete date: 04/27/06
Call Type: INC
Responsible company: GENERAL MOTORS
RC organization type: STATE GOVERNMENT
GRAND RAPIDS, MI
Initial caller: Not reported
Initial caller tel: Not reported
Initially reported comp.: Not reported
On behalf: Not reported
Source: TELEPHONE

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2009

Database Release Frequency: Annually

Date of Last EDR Contact: 04/07/2010

Date of Next Scheduled Update: 07/19/2010



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Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases and Update Information. Page 7

Name, source, update dates, contact phone number and description of each of the databases for this report.

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

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SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 300 36TH STREET 300 36TH STREET GRAND RAPIDS, MI EDR ID #2003635949
AREA	
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	YES - p4
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility has reported emergency releases to the soil

DATABASE: Emergency Response Notification System (ERNS)

300 36TH STREET
300 36TH STREET
GRAND RAPIDS, MI
EDR ID #2003635949

ERNS:

Site ID:	2003635949
Incident cause:	OTHER
Incident desc:	MATERIALS RELEASED FROM A DRAINAGE DITCH DUE TO WEATHER CONDITIONS.
Incident type:	FIXED
Incident date:	20030203
Incident TG:	OCCURRED
Inc location:	Not reported
Incident address:	300 36TH STREET GRAND RAPIDS, MI
Distance from city:	Not reported
Lat/Long:	0/0
Lat/Long quad:	/
Incident date:	02/03/2003
Township/section/range://	
WMD flag:	Not reported
Rad flag:	Not reported
Bio flag:	Not reported
Amt material flag:	Not reported
Military:	Not reported
LNG flag:	Not reported
Fire involved:	No
Fire extinguished:	Unknown
Any evacuees:	No
Number of evacs:	Not reported
Who evacuated:	Not reported
Radius of evacuation:	Not reported
Any injuries:	No
Number injured:	Not reported
Number hospitalized:	Not reported
Any fatalities:	No
Any damage:	No
Damage amount:	Not reported
Air corridor desc:	Not reported
Air corridor closed:	Not reported
Water description:	Not reported
Water closed:	No
Water closed time:	Not reported
Road closed:	No
Road closed desc:	Not reported
Road closed time:	Not reported
Closure direction:	Not reported
Major artery:	No
Track closed:	No
Track closed time:	Not reported
Tr. close direction:	Not reported
Track description:	Not reported
Media interest:	NONE
Medium affected:	WATER
Additional medium:	DRAINAGE DITCH
Body of water:	DRAINAGE DITCH
Tributary:	PLASTER CREEK
Near river:	Not reported
Release secured:	Yes
Est. duration of rel.:	Not reported
Release rate:	Not reported
Rel. rate units:	Not reported
Rel. per units:	Not reported
Remedial action:	BOOMS APPLIED.
Agency on scene:	Not reported
Other agency:	Not reported
State agency notified:	Not reported
Fed. agency notified:	Not reported
Structure name:	Not reported
Structure type:	Not reported
Struct. operator:	Not reported
Weather:	RAINY
Air temp:	0
Wind speed:	0

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Wind speed unit:	Not reported
Wind direction:	Not reported
Water contaminated:	No
Sheen size:	Not reported
Sheen size units:	Not reported
Sheen color:	RAINBOW
Sheen direction:	Not reported
Sheen odor:	Not reported
Sheen length:	20
Sheen len. units:	FEET
Sheen width:	4
Sheen wid. units:	FEET
Wave condit:	Not reported
Current speed:	0
Current speed units:	Not reported
Current direction:	Not reported
Water temp:	Not reported
Allision:	Not reported
Employees injured:	Not reported
Employee fatalities:	Not reported
Passengers injured:	Not reported
Passenger fatalities:	Not reported
Occupant fatalities:	Not reported
Community impact:	No
Offshore:	No
Addition info:	NO ADDITIONAL INFORMATION.

Aircraft type:	Not reported
Aircraft model:	Not reported
Aircraft ID:	Not reported
Aircraft fuel cap:	Not reported
Capacity units:	Not reported
Fuel onboard:	Not reported
Fuel units:	Not reported
Spot number:	Not reported
AC hanger:	Not reported
AC runway:	Not reported
Mile marker:	Not reported
Building ID:	Not reported
Type fixed obj:	OTHER
Power gen facility:	No
Generation capacity:	Not reported
Fuel type:	Not reported
NPDES:	Not reported
NPDES compliance:	Unknown
Pipe type:	Not reported
DOT regulated:	Unknown
Pipe above:	ABOVE
Exposed underwtr:	No
Pipe covered:	Unknown
Railroad hotline:	Not reported
Grade crossing:	No
Location subdivision:	Not reported
Railroad milepost:	Not reported
Vehicle type:	Not reported
Crossing device:	Not reported
Device operational:	Yes
DOT crossing #:	Not reported
Brakes failed:	No
Tank description:	Not reported
Above ground tank:	ABOVE
Tank regulated:	Unknown
Tank ID:	Not reported
Tank regulated by:	Not reported
Tank capacity:	Not reported
Capacity units:	Not reported
Actual amount:	Not reported
Amount units:	Not reported
Transportable container:	Unknown
Platform rig name:	Not reported
Platform letter:	Not reported
Local area ID:	Not reported
Local block ID:	0
OCSG number:	0
State lease #:	Not reported
Pier dock #:	Not reported
Berth slip #:	Not reported
Initial continuous rel #:	Not reported
Cont. rel permit:	Not reported
Allision:	No
Structure type:	Not reported
Structure:	Not reported
Structure operator:	U
Air bag deployed:	Not reported
Date time normal srv:	Not reported

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Service disruption time: Not reported
Transit bus flag: Not reported
Begin date: Not reported
End date: Not reported
Change date: Not reported

Call received date: 20030204
Complete date: 20030204
Call Taker: DXD8325
Call Type: INC
Responsible Party: BRIDGET LENNON
RP telephone: 6162462992
RP tel type: PRIMARY
RP telephone: 0
RP tel type: Not reported
Responsible company: GENERAL MOTORS
RC organization type: STATE GOVERNMENT
PR address: 300 36TH STREET
GRAND RAPIDS, MI
Initial caller: Not reported
Initial caller tel: Not reported
Initially reported comp.: Not reported
On behalf: Not reported
Source: TELEPHONE

Spilled material name: UNKNOWN OIL
Material CHRIS code: OUN
Mat. CAS number: 000000-00-0
Material UN #: Not reported
Amount of spilled mat.: 2
Mat. amount unit: GALLON(S)
Mat. reached water: YES
Amount in water: 2
Amount in water units: GALLON(S)

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2009

Database Release Frequency: Annually

Date of Last EDR Contact: 04/07/2010

Date of Next Scheduled Update: 07/19/2010

GENERAL MOTORS CORPORATION

300 36TH ST SW

GRAND RAPIDS, MI 49548

Inquiry Number:

April 27, 2010

EDR Site Report™

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Section 3: Databases and Update Information. Page 20

Name, source, update dates, contact phone number and description of each of the databases for this report.

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SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1
AREA	GENERAL MOTORS CORPORATION 300 36TH ST SW GRAND RAPIDS, MI 49548 EDR ID #1000116146 EPA #MID006020408
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	YES - p4
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD)	NO
Facility has received Notices of Violations (RCRA/VIOL)	YES - p7
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	YES - p8
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	YES - p9
Facility is listed in a county/local unique database (LOCAL)	YES - p11
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	5

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility generates hazardous waste

DATABASE: Resource Conservation and Recovery Information (RCRAInfo)

GENERAL MOTORS CORPORATION
300 36TH ST SW
GRAND RAPIDS, MI 49548
EDR ID #1000116146

RCRA-SQG:

Date form received by agency: 05/04/2008
Facility name: GENERAL MOTORS CORPORATION
Facility address: 300 36TH ST SW
GRAND RAPIDS, MI 49548
EPA ID: MID006020408
Contact: SCOTT MURTO
Contact address: 300 36TH ST SW
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 246-2992
Contact email: Not reported
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: GENERAL MOTORS CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/15/1935
Owner/Op end date: Not reported

Owner/operator name: GENERAL MOTORS CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/15/1935
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: 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

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

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

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 04/04/2006
Facility name: GENERAL MOTORS CORPORATION
Classification: Small Quantity Generator

Date form received by agency: 03/01/2006
Facility name: GENERAL MOTORS CORPORATION
Classification: Small Quantity Generator

Date form received by agency: 02/01/2005
Facility name: GENERAL MOTORS CORPORATION
Classification: Small Quantity Generator

Date form received by agency: 01/01/2005
Facility name: GENERAL MOTORS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 03/01/2004
Facility name: GENERAL MOTORS CORPORATION
Classification: Small Quantity Generator

Date form received by agency: 02/19/2004
Facility name: GENERAL MOTORS CORPORATION
Classification: Small Quantity Generator

Date form received by agency: 02/01/2004
Facility name: GENERAL MOTORS CORPORATION
Classification: Small Quantity Generator

Date form received by agency: 01/01/2004
Facility name: GENERAL MOTORS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 11/10/2003
Facility name: GENERAL MOTORS CORPORATION
Classification: Small Quantity Generator

Date form received by agency: 03/01/2002
Facility name: GENERAL MOTORS CORPORATION
Site name: GMC GRAND RAPIDS METAL PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/28/2002
Facility name: GENERAL MOTORS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 02/29/2000
Facility name: GENERAL MOTORS CORPORATION
Site name: GMC GRAND RAPIDS METAL PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/20/1998
Facility name: GENERAL MOTORS CORPORATION
Site name: GM MFD GRAND RAPIDS METAL PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/27/1996
Facility name: GENERAL MOTORS CORPORATION
Site name: GM MFD GRAND RAPIDS METAL PLANT
Classification: Large Quantity Generator

Date form received by agency: 08/23/1995
Facility name: GENERAL MOTORS CORPORATION
Classification: Large Quantity Generator

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Date form received by agency: 11/19/1980
Facility name: GENERAL MOTORS CORPORATION
Classification: Not a generator, verified

Date form received by agency: 08/15/1980
Facility name: GENERAL MOTORS CORPORATION
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/19/1994
Date achieved compliance: 06/13/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/25/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 11/25/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/01/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/17/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/19/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/13/1994
Evaluation lead agency: State

Evaluation date: 11/08/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

WASTE MANAGEMENT

Facility Has Received Notices of Violations

DATABASE: Resource Conservation and Recovery Information (RCRAInfo)

GENERAL MOTORS CORPORATION
300 36TH ST SW
GRAND RAPIDS, MI 49548
EDR ID #1000116146

Regulation Violated:	Not reported
Area of Violation:	Generators - General
Date Violation Determined:	05/19/1994
Actual Date Achieved Compliance:	06/13/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/25/1994

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

WASTE MANAGEMENT

Facility handles PCBs

DATABASE: PCB Activity Database System (PADS)

GENERAL MOTORS CORPORATION
300 36TH ST SW
GRAND RAPIDS, MI 49548
EDR ID #1000116146

PADS:

EPAID:	MID006020408
Facility name:	GMC CPC GRAND RAPIDS METAL PLT
Facility Address:	300 36TH ST SW GRAND RAPIDS, MI 49548
Facility country:	US
Generator:	Yes
Storer:	No
Transporter:	No
Disposer:	No
Research facility:	No
Smelter:	No
Facility owner name:	GENERAL MOTORS
Contact title:	Not reported
Contact name:	PARCELL B
Contact tel:	(616)246-2870
Contact extension:	Not reported
Mailing address:	300 36TH ST SW GRAND RAPIDS, MI 49548
Mailing country:	US
Cert. title:	Not reported
Cert. name:	Not reported
Cert. date:	3/29/1990
Date received:	6/25/1990

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

MULTIMEDIA

Facility is listed in EPA's index system

DATABASE: Facility Index System (FINDS)

GENERAL MOTORS CORPORATION
300 36TH ST SW
GRAND RAPIDS, MI 49548
EDR ID #1000116146

This site is listed in the Federal FINDS database. The FINDS database may contain references to records from government databases included elsewhere in the report.

Please note: the FINDS database may also contain references to out of date records formerly associated with the site.

Registry ID: 110001840615
Facility Name: GENERAL MOTORS CORPORATION
Facility Address: 300 36TH ST SW
GRAND RAPIDS, MI 49548
Facility County: KENT
EPA Region: 05
Fed. Gov. Facility: No
Indian Tribal Land: No
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.

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.

US EPA RACT/BACT/LAER Clearinghouse (RBLC) database contains case-specific information on the "Best Available" air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). RACT, or Reasonably Available Control Technology, is required on existing sources in areas that are not meeting national ambient air quality standards. BACT, or Best Available Control Technology, is required on major new or modified sources in clean areas. LAER, or Lowest Achievable Emission Rate, is required on major new or modified sources in non-attainment areas.

Prg. Sys. ID: 2608100109
Supplemental Interest: Not reported
Facility SIC Codes: 3465
Facility NAICS Codes: 336370

Prg. Sys. ID: NEIMIB1726
Supplemental Interest: Not reported
Facility SIC Codes: 3465
Facility NAICS Codes: 33637

Prg. Sys. ID: MI0043877
Supplemental Interest: Not reported
Facility SIC Codes: 3465
Facility NAICS Codes: Not reported

Prg. Sys. ID: 1443

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Supplemental Interest: Not reported
Facility SIC Codes: 3711
Facility NAICS Codes: Not reported

Prg. Sys. ID: MID006020408
Supplemental Interest: Not reported
Facility SIC Codes: Not reported
Facility NAICS Codes: 33637

Prg. Sys. ID: 49508CPCGR30036
Supplemental Interest: Not reported
Facility SIC Codes: 3465
Facility NAICS Codes: 336370

Alternative name: GENERAL MOTORS CORP
Alternative name: GM GRAND RAPIDS METAL CENTER
Alternative name: GM MFD GRAND RAPIDS METAL CENTER
Alternative name: GM-NAO-GRAND RAPIDS
Alternative name: GMC - CPC GRAND RAPIDS METAL PLANT
Alternative name: GMC GRAND RAPIDS METAL CENTER
Alternative name: GRAND RAPIDS METAL FABRICATION

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

MULTIMEDIA

Facility is listed in a county/local unique database

DATABASE: State/County (LOCAL)

GENERAL MOTORS CORPORATION
300 36TH ST SW
GRAND RAPIDS, MI 49548
EDR ID #1000116146

NY MANIFEST:

EPA ID: MID006020408
Country: USA
Mailing Name: GM-MFD GRAND RAPIDS
Mailing Contact: BRIDGET LENNON
Mailing Address: 300 36TH ST SW
Mailing Address 2: Not reported
Mailing City: GRAND RAPIDS
Mailing State: MI
Mailing Zip: 49548
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 616-246-2750

Document ID: NYB9556866
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 02/26/2003
Trans1 Recv Date: 02/26/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/27/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: PUC3607OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 05797
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9556875
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 03/26/2003
Trans1 Recv Date: 03/26/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/27/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: PUR4188OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 05561
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9556884
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 04/02/2003
Trans1 Recv Date: 04/02/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/03/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: TML8562OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 06296
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9557091
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 12/17/2003
Trans1 Recv Date: 12/17/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/23/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: 0629753ME
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00041
Units: K - Kilograms (2.2 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9557109
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 11/21/2003
Trans1 Recv Date: 11/21/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/24/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: ME0629746
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00090
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9557118
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 10/30/2003
Trans1 Recv Date: 10/30/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/03/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: ME0629746
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00056
Units: K - Kilograms (2.2 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9557127
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 10/09/2003
Trans1 Recv Date: 10/09/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/14/2003

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: 0629746ME
Waste Code: B004 - PCB ARTICLES WITH 50 PPM BUT < 500 PPM
Quantity: 00030
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9557136
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 06/13/2003
Trans1 Recv Date: 06/13/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/17/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: 0629746ME
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00135
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9557145
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 04/23/2003
Trans1 Recv Date: 04/23/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/24/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: PUL8814OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 06759
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Year: 03
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: NYB9557154
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 04/09/2003
Trans1 Recv Date: 04/09/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/10/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: OHTML8481
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 04718
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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: NYB9557163
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 04/09/2003
Trans1 Recv Date: 04/09/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/10/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: PUR4188OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 07094
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 03
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

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Document ID: NYB9557082
Manifest Status: Not reported
Trans1 State ID: ME0629753
Trans2 State ID: Not reported
Generator Ship Date: 02/11/2004
Trans1 Recv Date: 02/11/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/16/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: OHD068913409
Trans2 EPA ID: Not reported
TSD ID: NYD049836
Waste Code: D005 - BARIUM 100.0 MG/L TCLP
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00090
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 04
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9557073
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 01/04/2005
Trans1 Recv Date: 01/04/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/06/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: T117060TN
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B005 - PCB ARTICLES WITH 500 PPM OR > PCB
Quantity: 00090
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: Not reported
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9569403
Manifest Status: Not reported
Trans1 State ID: OHD068013409
Trans2 State ID: Not reported

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Generator Ship Date: 04/16/2002
Trans1 Recv Date: 04/16/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/19/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: PUR4188OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 07421
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 02
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9569421
Manifest Status: Not reported
Trans1 State ID: ALD067138891
Trans2 State ID: Not reported
Generator Ship Date: 06/25/2002
Trans1 Recv Date: 06/25/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/26/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: ITM1040AL
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 09625
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 02
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9569547
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 12/20/2002
Trans1 Recv Date: 12/20/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/23/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: PUH3235
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 05489
Units: K - Kilograms (2.2 pounds)

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 02
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9569556
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 11/14/2002
Trans1 Recv Date: 11/14/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/15/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: PUC3608OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 08419
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 02
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYB9569565
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 10/02/2002
Trans1 Recv Date: 10/02/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/03/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: PUR4242OH
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 05888
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 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

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

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: NYB9569574
Manifest Status: Not reported
Trans1 State ID: MIR000014530
Trans2 State ID: Not reported
Generator Ship Date: 08/15/2002
Trans1 Recv Date: 08/15/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/16/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: SC004
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 07484
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 02
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYG2988234
Manifest Status: Not reported
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 01/10/2002
Trans1 Recv Date: 01/10/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/11/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID006020408
Trans1 EPA ID: NYD049253719
Trans2 EPA ID: Not reported
TSD ID: OHD068913
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 07711
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 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

The NY_MANIFEST database contains 18 additional records for this site.
Please contact your EDR Account Executive for more information.

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

RCRA-SQG: RCRA - Small Quantity Generators

Source: Environmental Protection Agency

Telephone: 703-308-0035

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
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/16/2010
Date of Next Scheduled Update: 07/19/2010

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-566-0500

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
Database Release Frequency: Annually

Date of Last EDR Contact: 04/22/2010
Date of Next Scheduled Update: 08/02/2010

FINDS: Facility Index System/Facility Registry System

Source: EPA

Telephone: Not reported

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
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/15/2010
Date of Next Scheduled Update: 06/28/2010

NY NY MANIFEST: Facility and Manifest Data

Source: Department of Environmental Conservation

Telephone: 518-402-8651

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
Database Release Frequency: Annually

Date of Last EDR Contact: 02/11/2010
Date of Next Scheduled Update: 05/24/2010

FLOYDS ELECTRIC SERVICE

3781 CLAY CT SW

GRAND RAPIDS, MI 49548

Inquiry Number:

April 28, 2010

EDR Site Report™

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary Page 3

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases and Update Information. Page 7

Name, source, update dates, contact phone number and description of each of the databases for this report.

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

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SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 FLOYDS ELECTRIC SERVICE 3781 CLAY CT SW GRAND RAPIDS, MI 49548 EDR ID #1004723738 EPA #MID985640424
AREA	
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	YES - p4
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	YES - p6
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	2

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility generates hazardous waste

DATABASE: Resource Conservation and Recovery Information (RCRAInfo)

FLOYDS ELECTRIC SERVICE
3781 CLAY CT SW
GRAND RAPIDS, MI 49548
EDR ID #1004723738

RCRA-CESQG:

Date form received by agency: 01/24/1995
Facility name: FLOYDS ELECTRIC SERVICE
Facility address: 3781 CLAY CT SW
GRAND RAPIDS, MI 49548
EPA ID: MID985640424
Contact: JOHN KIMBLE
Contact address: 3781 CLAY CT SW
GRAND RAPIDS, MI 49548
Contact country: Not reported
Contact telephone: (616) 534-8691
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: KIMBLE DOUGLAS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: KIMBLE DOUGLAS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
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: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 04/13/1992
Facility name: FLOYDS ELECTRIC SERVICE
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

MULTIMEDIA

Facility is listed in EPA's index system

DATABASE: Facility Index System (FINDS)

FLOYDS ELECTRIC SERVICE
3781 CLAY CT SW
GRAND RAPIDS, MI 49548
EDR ID #1004723738

This site is listed in the Federal FINDS database. The FINDS database may contain references to records from government databases included elsewhere in the report.

Please note: the FINDS database may also contain references to out of date records formerly associated with the site.

Registry ID: 110003670180
Facility Name: FLOYDS ELECTRIC SERVICE
Facility Address: 3781 CLAY SW
GRAND RAPIDS, MI 49548
Facility County: KENT
EPA Region: 05
Fed. Gov. Facility: No
Indian Tribal Land: No

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.

Prg. Sys. ID: MID985640424
Supplemental Interest: Not reported
Facility SIC Codes: Not reported
Facility NAICS Codes: 11131

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generator

Source: Environmental Protection Agency

Telephone: 703-308-0035

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

Database Release Frequency: Varies

Date of Last EDR Contact: 04/16/2010

Date of Next Scheduled Update: 07/19/2010

FINDS: Facility Index System/Facility Registry System

Source: EPA

Telephone: Not reported

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

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/15/2010

Date of Next Scheduled Update: 06/28/2010

APPENDIX J

Site Photographs



Photo 1: Containment trench in Oil Stores bulk unload area



Photo 2: Stormwater retention pond





Photo 3: Boiler treatment chemicals in Power House



Photo 4: Equipment staging area in Main Manufacturing Building





Photo 5: Retention pond AST



Photo 6: Maintenance paint booth





Photo 7: Storage pad



Photo 8: Former steel coil storage area





Photo 9: Equipment maintenance



Photo 10: Former steam clean booth





Photo 11: Stamping press



Photo 12: Power House





Photo 13: Scrap metal in basement conveyor area

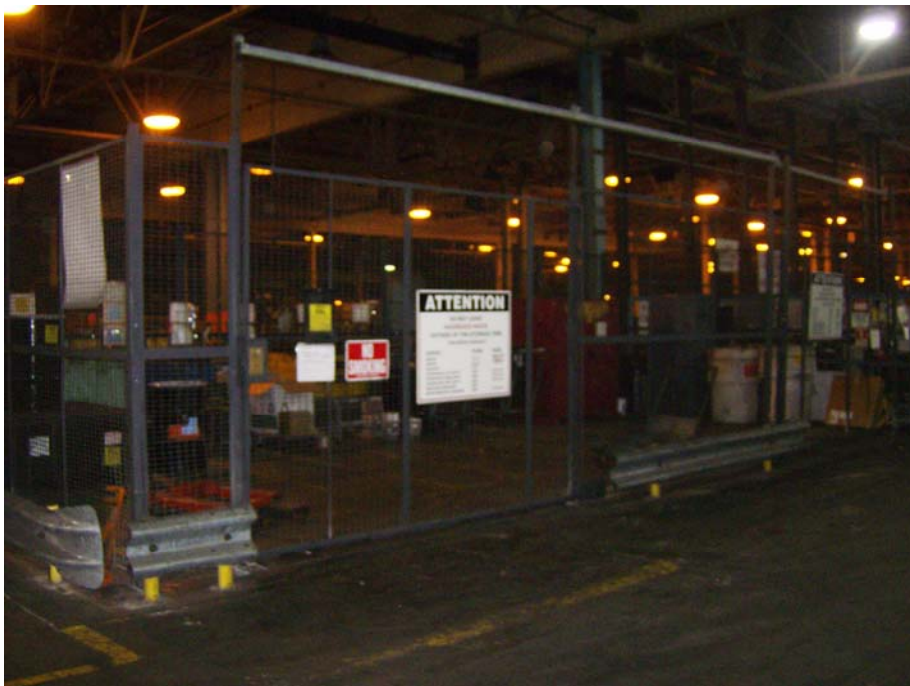


Photo 14: Hazardous waste storage area





Photo 15: Tool crib



Photo 16: WWTP batch tank





Photo 17: Oily trenches and sump along basement conveyor (typical)



Photo 18: Former press pit (from first floor looking in basement)





Photo 19: Scrap collection area in basement of Main Manufacturing Building



Photo 20: Used oil AST at WWTP





Photo 21: Basement tunnel under blanking presses



Photo 22: Chemical storage in Oil Stores





Photo 23: Maintenance in Main Manufacturing Building

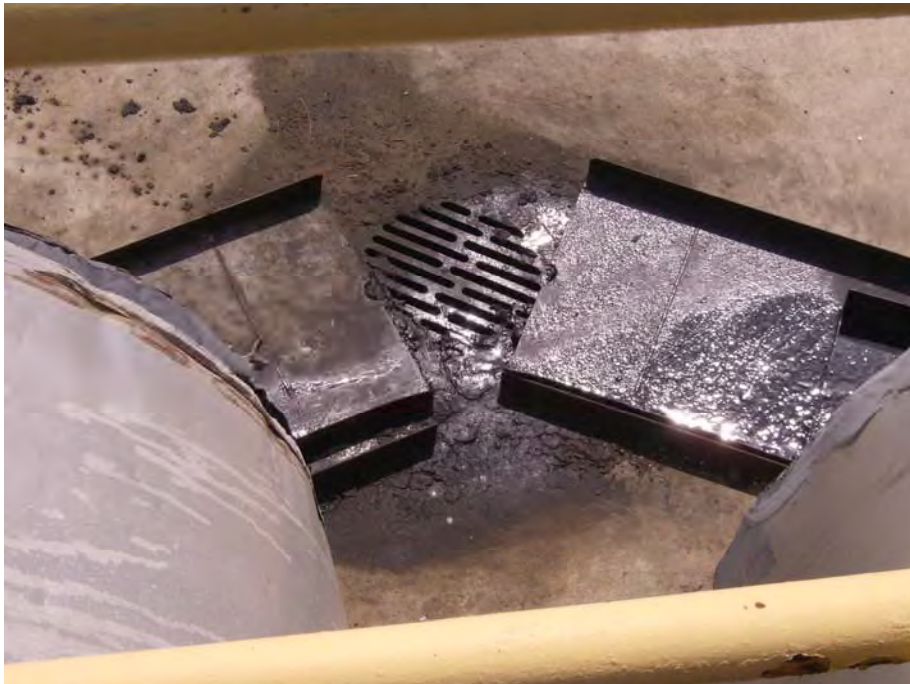


Photo 24: Sump near cooked oil ASTs at WWTP





Photo 25: North parking lot and adjacent properties to the north



Photo 26: Southern portion of Site





Photo 27: Trench drain in chemical storage area of Oil Stores



Photo 28: TDO





Photo 29: Steam clean booth



Photo 30: Oil in press pit





Photo 31: Welding area



Photo 32: Battery charging area





Photo 33: Oil Stores



Photo 34: ASTs in Oil Stores





Photo 35: Clay Avenue Parking Lot

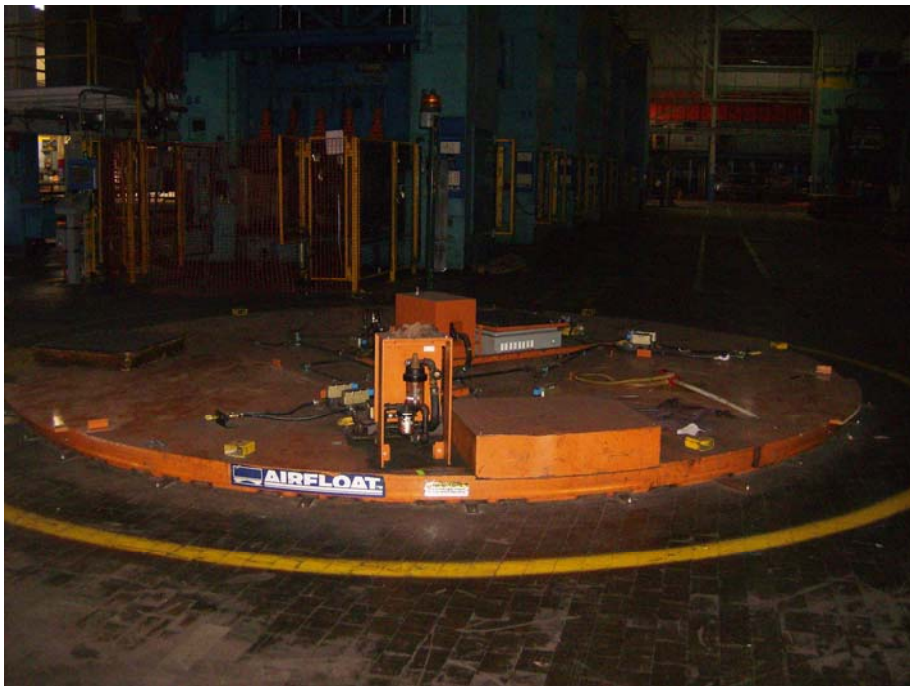


Photo 36: Turntable and presses





Photo 37: Bulk unload area sump





Photo 38: Trench in containment pad





Photo 39: Staining in Substation K in basement





Photo 40: PCB-electrical equipment in Substations B and C





Photo 41: Grinding swarf trench in TDO





Photo 42: Staining near Consumers transformer





Photo 43: Oil staining on wall of basement





Photo 44: Staining near ASTs in WWTP





Photo 45: Press





Photo 46: Oily scrap in Baler House pit





Photo 47: Grinding swarf conveyor





Photo 48: Stamping presses





Photo 49: Potential exterior substation on roof





Photo 50: Salt storage area



Photo 51: Current UST dispensers





Photo 52: Metal storage shed



Photo 53: Cooling towers





Photo 54: Press Staging Building



Photo 55: South Pump House





Photo 56: West side of Site (facing north)



Photo 57: South side of Site (facing east)



APPENDIX K

Assessor Qualifications

EDUCATION

B.S. Michigan Technological University, Environmental Engineering, Cum Laude, 1997

Other
Courses: 40-Hour OSHA Health and Safety Training, 1998
8-Hour OSHA Health and Safety Refresher, Annually
Cleanup Criteria Symposium For Parties Implementing Part 201 Remedial Actions - MDEQ, 1998
EPCRA Section 304 and CERCLA Section 103 Emergency Notification (Release Reporting) Workshop - MDEQ, 1999
ASTM E1527-00 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" - EDR, 1999, 2001, 2004, and 2006
Regulations 101: An Environmental Safety and Health Course - MDEQ, 2001, 2002, 2006, and 2008
SARA Title III Tier Two Workshop - MDEQ, 2007
Toxic Chemical Release Inventory Reporting Workshop - MDEQ, 2007
Hazardous Waste Management Workshop - MDEQ/AWMA/GVSU, 2007
CRA Phase I ESA Training, 1999, 2000 and 2006
CRA Building Decommissioning Seminar, 1999

EMPLOYMENT

2002- Present Project Manager/Coordinator/Engineer
Conestoga-Rovers & Associates

1998-2002 Project Coordinator/Engineer, Conestoga-Rovers & Associates

1995 Summer Intern, Dell Engineering, Inc.

AFFILIATIONS

Licensed Professional Engineer, State of Michigan (I.D. No. 6201049895)
Meets Definition of Environmental Professional pursuant to ASTM E1527-05 and 40 CFR 312
Member, West Michigan Sustainable Business Forum
Member, Grand Rapids Young Professionals
Member, West Michigan Air and Waste Management Association
Member, West Michigan Environmental Action Council

PROFILE OF PROFESSIONAL ACTIVITIES

- Project Manager/Coordinator/Engineer for multi-disciplinary projects for clients and sites throughout the United States. Experience includes the following areas:
 - Environmental Site Assessments(ESAs)/Investigations and Compliance Analysis
 - Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and State/Local Cleanup Programs
 - Underground Storage Tanks (USTs) and Leaking USTs (LUSTs)
 - Decommissioning and Abatement

REPRESENTATIVE PROJECT EXPERIENCE

Environmental Site Assessments/Investigations and Compliance Analysis

- Project Manager/Coordinator responsible for preparation of Phase I/II Environmental Site Assessments in support of acquisition/divestiture for various properties in Michigan, Indiana, Ohio, Wisconsin, Illinois, Virginia, Colorado, New York, Hawaii, Oregon, Missouri, Maryland, Texas, Arizona, and California, including the following: various residential properties, various vacant/undeveloped properties, hospital, furniture distribution center, light manufacturing facility, alcohol blending and bottling facility, warehouses, former and current automotive dealerships, railroad tracks, petroleum distribution center, induction heating system manufacturing facility, inactive fertilizer plant, silk screening facility, hybrid corn seed laboratory, metal scrap processing facilities, office/commercial facilities, cardboard manufacturing facility, metal forging facilities, school administrative building and bus maintenance garage, various current and former automotive manufacturing and assembly complexes (greater than one million square feet in size), flour mill, commercial bakeries and warehouses, and biodiesel facility
- Project Manager responsible for the implementation of Phase I through IV ESA projects for various automotive dealerships and vacant commercial and industrial properties across the United States, including review and application of federal, state, and local level regulations. Representative Phase III projects included delineation of impacted soil and/or groundwater at various locations. Representative Phase IV projects included: mold assessment, abatement, and facility restoration; asbestos assessment, abatement, and facility restoration; lead paint assessment, abatement, and facility restoration; in-ground lift removal and draining and decommissioning; and oil/water separator inspection and/or removal and replacement
- Project Coordinator responsible for the preparation of a Self Conducted Environmental Compliance Survey for a manufacturing facility located in Saginaw, Michigan, including the research of relevant site-specific local, state, and federal regulations and the preparation of site-specific, regulated area specific questionnaires for survey report
- Project Coordinator responsible for the preparation of Michigan Environmental Legislation Training for three manufacturing facilities located in Port Huron, Sterling Heights, and Warren, Michigan, including the research of relevant site-specific local, state, and federal regulations and preparation of presentation illustrating an overview of applicable regulations and the requirements therefrom
- Project Coordinator responsible for preparation of an Integrated Contingency Plan containing the required elements for Spill Prevention Control and Countermeasures, Pollution Incident Prevention, Stormwater Pollution Prevention, Slug, and Hazardous Waste Contingency Plans for a manufacturing facility located in Lansing, Michigan

CERCLA and State/Local Cleanup Programs

- Project Coordinator responsible for the on-Site oversight and implementation of a Removal Action Work Plan in a residential area under a CERCLA 106 Unilateral Administrative Order in Allegan, Michigan. Main contaminants included polychlorinated biphenyls (PCBs) and lead in soil. The Work Plan included the excavation of approximately 6,000 tons of non-Toxic Substances Control Act (TSCA) and 6,000 tons of TSCA-impacted soil
- Project Manager responsible for the investigation of a 12-acre former CERCLA 103(c) landfill in Walker, Michigan. Primary activities include investigation and review of alternatives for development of an Interim Remedial Action Plan in support of redevelopment subsequent to brownfield property transfer
- Project Coordinator/Manager responsible for the investigation activities conducted voluntarily under Michigan Act 451, Part 201 at an automotive manufacturing facility in Wyoming, Michigan. Main contaminants consist of chlorinated compound impacts to groundwater, polynuclear aromatic hydrocarbons (PNA) and light non-aqueous phase liquid (LNAPL) impacted groundwater, and PNA and metal impacts to soil. Primary activities include on and off-Site delineation investigation activities, evaluation of prior remedial alternative (groundwater pump and treat and soil vapor extraction system) effectiveness and permitting requirements, development and submittal of appropriate Work Plans and Data Reports to the MDEQ, liaison with MDEQ, local officials, facility personnel, and subcontractors, and evaluation of alternative remedial options
- Project Engineer responsible for the investigation activities conducted under the Indiana State Cleanup Program (SCP) at a former automotive manufacturing complex in Anderson, Indiana. Main contaminants consist of chlorinated compound impacts to groundwater. Primary activities include: on and off-Site delineation investigation activities; development and submittal of appropriate Spill Reports, Work Plans and Data Reports to the Indiana Department of Environmental Management (IDEM); liaison with IDEM, local officials, facility personnel, and subcontractors; and evaluation of alternative remedial options
- Project Coordinator responsible for the investigation activities conducted under the Indiana SCP at an automobile dealership in Brazil, Indiana. Main contaminants consist of volatile organic compounds, total petroleum hydrocarbons as diesel range organics, and arsenic in soil and/or groundwater. Primary activities include: on-Site delineation investigation activities; development and submittal of appropriate Spill Reports, Work Plans and Data Reports to the IDEM; and liaison with IDEM, facility personnel, and subcontractors
- Project Manager responsible for the implementation of the Operations and Maintenance Plan (OMP) and Hygienic Groundwater Sampling Plan portions of the Interim Response Activity Plan (IRAP) for the Operating Plant Area of the Bofors Nobel Superfund site in Muskegon, Michigan. Primary activities include: annual inspection of asphalt cover in vicinity of impacted soils; annual collection of groundwater samples from hygienic wells; and submittal of results to the MDEQ
- Project Coordinator/Manager responsible for the preparation of Category N and D Baseline Environmental Assessments, Section 7a Compliance Analysis, Due Care Plans, and Notices of Migration for submittal to the Michigan Department of Environmental Quality (MDEQ) for various properties in Michigan

Underground Storage Tanks (USTs)/Leaking Underground Storage Tanks (LUSTs)

- Project Coordinator responsible for the preparation and submittal of Site Assessment Reports and LUST Closure Reports to the MDEQ for USTs/LUSTs at various locations in Michigan
- Project Manager responsible for the on-going groundwater monitoring and remedial alternative implementation for a LUST at an automotive dealership in Greenbrook, New Jersey. Main

contaminants consisted of benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tert-butyl ether (MTBE) in groundwater. Primary activities included: groundwater monitoring activities; remedial alternatives review; and implementation of high intensity targeted (HIT) groundwater extraction events

- Project Engineer responsible for the investigation activities conducted under the Indiana UST Program for a former gasoline LUST at a former manufacturing facility in Anderson, Indiana. Main contaminants consist of benzene, toluene, ethylbenzene, and xylenes (BTEX). Primary activities included: on-Site delineation investigation activities; development and submittal of an Initial Site Characterization Report and Corrective Action Plan to the IDEM; and liaison with IDEM, facility personnel and subcontractors

Building Decommissioning/Demolition and Abatement

- Project Engineer responsible for engineering support for asbestos and lead-based paint encapsulation activities conducted at an industrial facility in Flint, Michigan. Primary activities included: development of project specifications; construction oversight of galbestos siding encapsulation activities; and preparation of a Galbestos Abatement Pilot Studies Evaluation Report
- Project Coordinator/Engineer responsible for providing engineering support for Building Decommissioning Assessments for industrial manufacturing facilities in Kalamazoo, Lansing, and Pontiac, Michigan and Anderson, Indiana. Primary activities included: field inventory of process equipment and fixtures; development of specifications; collection of representative samples of materials; and engineering support in the preparation of various proposals, cost estimates, and reports
- Project Manager responsible for oil/water separator replacement activities for an automobile dealerships in Pleasanton, California and Vero Beach, Florida. Primary activities consisted of the management of local staff in implementation of the work, which included: the removal of an oil/water separator; collection of verification samples; installation of a new oil/water separator; waste and liaison with local agency representatives, facility personnel and subcontractors; and submittal of applicable reports
- Project Manager responsible for limited mold inspection and remediation at automobile dealerships in West Palm Beach and Stuart, Florida and Dallas, Texas. Primary activities consisted of the management of local certified staff in implementation of the limited mold inspection and remediation efforts, which included: visual site inspections; limited ambient air microbial survey; removal and restoration of impacted areas; and development and submittal of applicable reports
- Project Manager responsible for the draining and decommissioning of belowgrade hydraulic lifts at automobile dealerships in Latham, New York, and Honolulu, Hawaii. Primary activities consisted of the management of local staff in implementation of the work, which included: draining of lifts; removal of impacted soil; backfilling of the abandoned lifts with concrete; waste disposal and handling; liaison with facility personnel and subcontractors; and development and submittal of applicable reports
- Project Manager responsible for asbestos surveys and abatement at a commercial truck sales and repair facility in Dallas, Texas. Primary activities consisted of the management of local staff in implementation of the work, which included: asbestos surveys and sampling; removal and restoration of required areas; and development and submittal of applicable reports

EDUCATION

B.S. St. John's University, Collegeville, Minnesota, 1977, Cum Laude

M.B.A. College of St. Thomas, St. Paul, Minnesota, 1986

EMPLOYMENT

1995 - Principal, Minnesota Branch Manager

Present Conestoga-Rovers & Associates

1993-95 Associate, Minnesota Branch Manager, Conestoga-Rovers & Associates

1988-92 Project Manager, Minnesota Branch Manager, Conestoga-Rovers & Associates

1985-88 Remedial Project Manager, Honeywell Defense Systems Group

1983-85 Senior Environmental Engineer, Honeywell Defense Systems Division

1981-83 Environmental Engineer, Honeywell Defense Systems Division

1979-81 Project Manager, U.S. Army Toxic and Hazardous Materials Agency

1978-79 Chemical Staff Officer, Department of the Army, Project Manager for Chemical Demilitarization and Installation Restoration

1977-78 Ordnance Officer, Munitions Materiel Management, U.S. Army

PROFILE OF PROFESSIONAL ACTIVITIES

Remedial Investigations/Site Investigations/RCRA Facility Investigations and Feasibility Studies

- Served as Project Manager for all aspects from work plan development through final report preparation for investigation of the following facilities:
 - Electronic component manufacturing plant - New Brighton, Minnesota (NPL site)
 - Metal parts manufacturing plant - New Brighton, Minnesota (NPL site)
 - Engineering and testing facility - Anoka County, Minnesota
 - Precision metals fabricating plant - Niles, Michigan
 - Tennessee chemical company plant - Copperhill, Tennessee
 - Demolition landfill - New Brighton, Minnesota
 - Private dump - New Brighton, Minnesota
 - Trio solvents plant - New Brighton, Minnesota
 - Sporting goods manufacturing facility - Tennessee
 - Vehicle maintenance facility - Minnesota
 - Metal parts manufacturing facilities - Germany, Czech Republic, England
 - Electro-mechanical components facility - New York
 - Industrial landfills - Michigan, Texas

- Served as Project Manager for all aspects of remedial investigations at propellant and explosives manufacturing and loading plants. The specific areas of investigation included explosive and propellant manufacture, explosive loading, red and pink water disposal, detonation sites, and explosives burning at the following plants:
 - Joliet Army Ammunition Plant - Elwood, Illinois (NPL site)
 - Iowa Army Ammunition Plant - Burlington, Iowa
 - Badger Army Ammunition Plant - Baraboo, Wisconsin
 - Louisiana Army Ammunition Plant - Doyline, Louisiana (NPL site)
 - Cornhusker Army Ammunition Plant - Grand Island, Nebraska (NPL site)
 - Twin Cities Army Ammunition Plant - New Brighton, Minnesota (NPL site)

Environmental Assessments/Audits

- Performed environmental assessments for acquisition, secured financing or compliance at the following facilities:
 - Flour mills in Minnesota, North Dakota, Iowa, Wisconsin, Pennsylvania, Texas, Louisiana, Utah, Massachusetts, Tennessee, Virginia, Kansas, California, Florida
 - Animal feed mills in Minnesota, Texas, Virginia, North Carolina, Georgia, Pennsylvania, Kentucky, Arizona
 - Animal slaughtering/food processing facilities in Texas, Virginia, North Carolina, Kentucky, California
 - Electronic component manufacturing facilities - Minnesota, Pennsylvania
 - Explosive loading plants - Illinois, Iowa, Tennessee, Arkansas
 - Solid fiberboard and paper mills - California, Vermont, Michigan, Minnesota, Illinois, Missouri
 - Metals fabrication and die casting plants - Illinois, North Carolina
 - Metals fabrication facilities - Ohio, South Carolina, Illinois, Brazil, Germany, England, Czech Republic, Missouri, Nevada, New York, Indiana
 - Chemical formulation plants - Illinois, England, Ireland
 - Manufacturing and warehouse facilities - Illinois, Indiana, Wisconsin, Georgia, Texas, Pennsylvania, California
 - Food production, processing, and packaging plants - Indiana, Louisiana, Minnesota, Ohio, New York, California, Illinois
 - Construction equipment maintenance facilities - Georgia, Minnesota, Washington, Illinois
 - Industrial equipment manufacturing facilities - Ohio
 - Soft drink bottling plants - Arkansas, North Carolina, South Carolina, Tennessee, Belgium
 - Soft drink distribution facilities - Arkansas, North Carolina, South Carolina, Tennessee, Texas, Belgium
 - Heavy equipment manufacturing plants - Illinois, Wisconsin, Indiana
 - Commercial munitions, production and testing facilities - Ohio, Pennsylvania, Florida, New Mexico, Tennessee
 - Medical equipment manufacturing facilities - Connecticut, Puerto Rico
 - Cement plants - Iowa, Mississippi, Missouri

- Precision metals fabrication plants - Michigan, Illinois, Indiana, Pennsylvania
- Chemical manufacturing plants - Tennessee, Wisconsin
- Athletic and swimming facilities - Minnesota
- Waste derived fuel plants - Missouri, Kansas, Indiana, Pennsylvania, Maryland
- Cabinet manufacturing plants - Texas, Kentucky, Iowa, Minnesota, Ohio
- Photo processing facilities - Minnesota, Missouri, Netherlands, Kansas
- Photographic film manufacturing facilities - United Kingdom, Germany, Switzerland
- Corrugated box plants - South Carolina, Georgia, Alabama, Tennessee
- Fiberboard partition plants - Maine, New Jersey, Wisconsin, Quebec, Iowa, Minnesota, Massachusetts
- Hazardous waste blending facilities - Ohio
- Plastic extrusion and molding plants - Germany, Michigan, Minnesota
- Window and door manufacturing facilities - Wisconsin, Michigan, Iowa
- Furniture manufacturing facilities - North Carolina, Ohio, Pennsylvania, Virginia
- Foundries - Michigan, Illinois, Ohio, Pennsylvania, Tennessee, Mexico
- Photographic chemical and plate manufacturing - Germany, Switzerland, England
- Chemical processing facilities - United States, Australia, Korea, Japan

Remedial Designs or Remedial Construction Supervision

- Served as Project Manager for the design and/or construction of the following remedial actions:
 - Groundwater collection tile, extraction, and VOC treatment system - (NPL site) New Brighton, Minnesota
 - Extraction well and VOC treatment system - (NPL site) New Brighton, Minnesota
 - 2,900 GPM groundwater extraction, VOC treatment and recharge system - (NPL site) New Brighton, Minnesota
 - Excavation and on-site contained storage of 12,000 tons of PCB contaminated soil - (NPL site) New Brighton, Minnesota
 - Groundwater Extraction and Discharge System - New Brighton, Minnesota
 - Excavation and off-site disposal of metals contaminated soils - New Brighton, Minnesota
 - Decontamination and off-site disposal of PCB equipment and oils - New Brighton, Minnesota
 - Decontamination of PCB contaminated plant areas - Lafayette, Indiana
 - Excavation and off-site disposal of over 100,000 tons of organics contaminated soil (NPL site) - New Jersey
 - Industrial sewer cleaning and sludge handling project involving VOCs, PCBs and metals - (NPL site) New Brighton, Minnesota
 - Excavation and off-site disposal of lead contaminated soils - Minneapolis, Minnesota
 - PCB soil contamination site - Iowa
 - Soil vapor extraction system for VOC removal - Wisconsin
 - Air sparging system for VOC removal - Minnesota
 - VOC air stripping water treatment system - New Jersey

- Excavation, on-site separation and off-site disposal of contaminated soils - Fridley, Minnesota
- Soil vapor extraction system for VOC removal - Germany
- Wastewater lagoon closure - Michigan

Environmental Compliance at Industrial Facilities

- Responsible for environmental compliance at multi-facility division of Honeywell, Inc. including:
 - Prepared permit applications for hazardous waste treatment and storage facilities
 - Developed in-plant hazardous waste management procedures for division
 - Developed RCRA training programs for treatment and storage facilities
 - Managed in-house hazardous waste generation, treatment, storage, and disposal program for six manufacturing facilities
 - Developed in-plant spill response procedures for manufacturing facilities
 - Prepared industrial discharge (POTW) permit applications for manufacturing plants and remedial actions
 - Prepared NPDES permits for remedial actions
- Performed multi-media compliance audits at the following types of industrial facilities:
 - Chemical manufacturing, chemical formulation, explosives loading, metal parts manufacturing, primary and secondary steel manufacturing, paper manufacturing, furniture and cabinet manufacturing, and miscellaneous manufacturing

Technical Support for Litigation and Administrative Orders

- Provided the following technical expert services in conjunction with permitting and litigation issues:
 - Assisted PRP at VOC contaminated groundwater site consisting of review and comment on; remedial investigations, feasibility studies, risk assessment, groundwater modeling, records of decision, consent orders - NPL site in Minnesota
 - Assisted PRP at VOC and PCB contaminated site consisting of review and comment on; remedial investigations, feasibility studies, risk assessment and administrative orders - Illinois
 - Assisted PRP group at mixed municipal and demolition landfill consisting of review and comment on; remedial investigation, remedial objectives and remedial cost estimates - NPL site in Minnesota
 - Assisted industrial client in negotiation of administrative and judicial orders for investigation and implementation of corrective actions at a mining and chemical manufacturing facility - Tennessee
 - Assisted township in removing a potential landfill site from final consideration list - Minnesota
 - Assisted PRP group at mixed municipal landfill consisting of RD/RA Scope of Work negotiations, remedial cost estimates, allocation negotiations and mediation - NPL site in Minnesota
 - Assisted industrial clients in negotiation of contribution claims for past releases on property - Iowa, Texas, Tennessee, Minnesota, Wisconsin, Idaho, Pennsylvania, Illinois, Indiana
 - Assisted industrial client with evaluation of compliance and recommended corrective measures in response to potential litigation - Mississippi
 - Technical expert for an industrial client with PCB risk issues from former industrial disposal site under litigation - Michigan

- Technical expert for industrial client regarding acquisition due diligence