# PHASE I ENVIRONMENTAL SITE ASSESSMENT

Mansfield Stamping
2525 West Fourth Street
Ontario, Ohio 44906

January 28, 2011



Prepared for:

**Ohio Environmental Protection Agency –**
**Division of Emergency & Remedial Response**
**Site Assessment and Brownfield Revitalization Program**
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# 1.0 INTRODUCTION

Tetra Tech EM Inc. (Tetra Tech) was tasked by the Ohio Environmental Protection Agency (Ohio EPA) to perform a Phase I Environmental Site Assessment (PESA) of the Mansfield Stamping Plant Property (henceforth known as the Subject Property), located in Ontario, Richland County, Ohio. The Subject Property sits on five parcels of land (0386015206000, 0386015205000, 0386015204000, 0386015202000, and 0386015203000) totaling 266 acres located between West Fourth Street and State Route 309 in Ontario. The Subject Property location is indicated on Figure 1.

This work was authorized under the Investigation and Mitigation of Hazardous Waste Sites Level-of-Effort (LOE) Contract CSP900211, Mobilization Order (MO) No. TT11-01. Ohio EPA requested the PESA be performed in compliance with Ohio VAP guidelines.

Tetra Tech prepared this PESA report for use by Ohio EPA to identify actual and potential environmental conditions of the Subject Property, in accordance with Tetra Tech's Site Specific Work Plan (SSWP), dated January 5, 2011. The Subject Property is the former General Motors (GM) Stamping Plant. The investigation of the Subject Property was conducted by Ms. Vicky Farmer and Mr. Kemp Jaycox, Tetra Tech Environmental Professionals, on January 11th and 12th, 2011.

## 1.1 PURPOSE

The PESA was performed in general accordance with the Ohio VAP guidelines specified in Ohio Administrative Code (OAC) 3745-300-06. The objective of the PESA was to identify recognized, obvious, and likely on-site or off-site potential sources of contamination. Subsurface investigations were not conducted as part of the PESA.

The evaluation of the property and the information contained in this report are based on conditions existing on the date of the site reconnaissance. The evaluation was conducted only for the Subject Property with limited visual observations of the adjacent properties. To the extent feasible, this PESA included an evaluation of past and present land uses at the property. Tetra Tech has based its conclusions and recommendations on the limited information available during the study. Tetra Tech does not and cannot represent that the property contains no recognized environmental conditions or other latent conditions beyond those observed in the course of this PESA.

## 1.2 SCOPE OF SERVICES

The PESA was performed in general accordance with Ohio VAP guidelines to satisfy a contractual agreement between Ohio EPA and Tetra Tech. The PESA was completed to identify, to the extent feasible, environmental conditions that indicate a release or potential release to or from the Subject Property or adjacent properties.

As defined by Ohio VAP guidelines, an Identified Area is a location at a property where a release of petroleum or hazardous substances has or may have occurred.

Tetra Tech completed the following activities under the scope of work:

1. Site Reconnaissance
2. Records Review
3. Interviews

4. Report Preparation

The scope of the PESA is intended to be thorough enough to determine if additional investigation, such as qualitative or quantitative contamination studies, would be prudent. However, the scope of work for the PESA does not incorporate exhaustive records searches or definitive subsurface sampling and analytical schemes.

Tetra Tech did not evaluate, as part of this PESA, the following non-ASTM International Standard E 1527-05 scope considerations: mold, radon, asbestos, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, biological agents, and high voltage power lines. Additionally, Tetra Tech did not perform a review of the business environmental risks or evaluation of significantly lower purchase price, because these tasks are typically performed by the user. Tetra Tech also did not perform a review of deeds for the adjacent properties.

## 1.3 LIMITATIONS AND EXCEPTIONS

This report is based on information supplied to Tetra Tech from outside sources and other available public records; as such, conclusions presented in this report are based solely on information Tetra Tech obtained for the PESA. Tetra Tech makes no warrants regarding the accuracy of statements made by others that may be included in this report. The opinions and conclusions expressed in this study have been based strictly on the results of work conducted for this PESA.

None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature, but shall be a representation of findings from site visits and records examined. There are no warranties or guarantees, expressed or implied, included or intended by the report, except that it has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by professional consultants or firms performing the same or similar service.

Changes in the condition of the site may occur with time due to either natural processes or human activities. The findings presented in this report are based on site conditions existing at the time of the investigation.

# 2.0 SITE DESCRIPTION

This section describes the Subject Property based on observations made by Tetra Tech personnel during the site walkover conducted on January 11th and 12th 2011, as well as information provided or collected thereafter. The property is currently owned by Motors Liquidation Company (MLC), formerly known as the GM Corporation. Site access and information about the Subject Property was provided by Jerry Kline, contractor for MLC and acting Plant Manager.

## 2.1 LOCATION

The Subject Property is located on West Fourth Street in the City of Ontario, Ohio. The property is bound by West Fourth Street to the north, Stumbo Road to the West, State Route 309 to the south, and Beer Road to the east. The location of the Subject Property is shown in Figure 1. The Subject Property includes five parcels of land with a total of 266 acres, and includes a 2.9 million square foot stamping plant, and several auxiliary buildings.

## 2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The site location is shown in Figure 1 and various topographic maps and aerial photographs included in Appendix A. The Subject Property is located in a commercial and agricultural area, and is located approximately 1,394 feet above mean sea level (msl). The Subject Property is bounded by West Fourth Street and businesses to the north (including The Bookery, Red Lobster, ABC Warehouse, and the United Auto Workers); Stumbo Road followed by Wellspring, First Merit Bank, Advantage Credit Union, and the Richland Mall to the east; the Ontario Police Department, followed by State Route 309 and a railyard to the south; and Beer Road followed by businesses (Burner Systems, Invensys, Universal Refrigeration, Yellow Trucking, and Shearer Equipment) and a residence/farmland to the west.

The GM Stamping Plant was built in 1955 and 1956, with limited production beginning late 1956. A rail dock was added to the west side of the plant in 1964, and a 10 acre addition was added on the south side beginning in 1984. Eleven additional buildings are located on the site – the rack wash building, gas boiler house, coil steel rack building, baler house, press prep building, original switch house, new switch house, fire pump house, powerhouse, waste water treatment plant (WWTP), and the compressor building. A stormwater retention pond is located at the southwestern corner of the property; five to six small ditches and creeks lead from the plant into the retention pond.

According to the EDR report, one federal public water supply (PWS) system and 57 state registered wells are located within one mile of the Subject Property. One well is located on the Subject Property, underneath the water tower. The well was constructed in 1956 to a depth of 220 feet below ground surface (bgs) in a shale aquifer. The well log indicates clay, gravel, and sandstone overlaying shale, and a static water level of 125 feet. Well logs for the surrounding area indicate depths ranging from 200 to 295 feet bgs. The federal PWS is a well field located between one-half and one mile east-southeast and is owned by the City of Ontario. The general topographic gradient in the area is south; however, stormwater at the Subject Property and from the surrounding area is routed towards the stormwater retention pond. The site layout is shown in Figure 2.

## 2.3 CURRENT AND PAST USE OF THE PROPERTY

The current owner of record is the GM Company; portions of the plant have been in operation since 1956. The main plant building, currently 2.9 million square feet, began operating in 1955.

The plant was built to produce automotive body components out of steel; the steel is "stamped" in various press machines. During the height of production at the plant, it contained 18 transfer presses, 21 major press lines with 134 conventional presses, 43 metal assembly lines, and 14 blanking presses. Presses were located in pits, with the hydraulic components below the machines. When production at the facility ceased in February 2010, several of the presses and various other machinery were removed; the remainder will be auctioned off at a future date. The plant processed over 750 tons of steel per day; scrap metal from the presses was collected via a system of conveyors and sent to the baler house where it was baled for off-site removal. In 2002, the baler operation was terminated when a loose scrap system was instituted. The powerhouse was also built in 1955 to supply power and compressed air to the plant, when operational it burned up to 100 tons of coal per day. The powerhouse includes three coal-fired boilers, one steam air compressor, and seven electric air compressors. Coal entered the powerhouse through the basement, and an elevator was used to transport it to the top floor of the building where it entered a bunker; the coal was then weighed out and transferred to the boilers. Ash residue from the boilers was vacuumed out and collected in an adjoining silo, where it was periodically emptied into a cinder truck. Mr. Kline indicated that the ash was re-used for salting the roads in winter or disposed of. A 42,000 square foot area south of the powerhouse, including the waste water treatment plant, was used to store the coal. The powerhouse was shut down in 2001 when gas-fired boilers were installed at the main plant.

Prior to GM purchasing the land in 1955, historical records and files reviewed indicate that the Subject Property was farmland. The Chain of Title documentation obtained from the Richland County Recorder's Office is provided below, and additional historical information is described in Section 4.3 of this report.

**Table 1**
**Chain of Title Documentation**

| Parcel(s) | Date of Transaction | Purchaser | Purchased From | Volume | Page |
|---|---|---|---|---|---|
| 0386015202000 | 07/08/1955 | General Motors Corporation | Albert and Florence Beer | 403 | 536 |
| 0386015203000, 0386015202000, 0386015206000 | 07/08/1955 | General Motors Corporation | Tamson, Hazel, Ruth, and Edna Craig | 403 | 539 |
| 0386015204000, 0386015205000 | 07/08/1955 | General Motors Corporation | Jack and Goldie Matuck | 403 | 555 |
| 0386015204000, 0386015205000 | 07/08/1955 | General Motors Corporation | Lee and Ruth Gages, et al. | 403 | 557 |
| 0386015204000 | 08/14/1957 | General Motors Corporation | Erie Land and Improvement Company of Pennsylvania | 442 | 439 |

## 2.4 DESCRIPTION OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS

The site location is shown in Figure 1 and the site layout and features are shown in Figure 2, and also on various topographic maps and aerial photographs included in Appendix A. The following buildings are present on the Subject Property:

**Rack Wash Building**

Located west of the main plant, the rack wash building contains an automated wash system to wash racks. The building was built in 1984. Water used was either recirculated and reused or collected in floor drains and sent to the on-site waste water treatment plant for processing. An adjacent brick gas boiler house was used to heat water for the rack washer.

**Gas Boiler House**

The gas boiler house is located to the east of the rack wash building. The building was used to provide hot water to the rack wash building. The building contains two boilers and has been abandoned.

**Waste Water Treatment Plant**

Located east of the main plant, and connected to the powerhouse. The WWTP was built in 1991 to replace a former plant, and pretreats wastewater from the plant prior to being discharged to the City of Mansfield's sewer system. The facility consists of three 50,000-gallon holding tanks, and two 38,000-gallon bioreactor tanks. Water from the bioreactors is further treated by two CPI oil/water separators. Water is then combined with the sanitary sewer system and discharged. Oil from the separators is collected by Everclear and hauled offsite for recycling. The basement of the building contains floor drains and a sump; all drains lead to the sump, which in turn pumps the water to the treatment system.

**Former Powerhouse**

Located east of the main plant, and connected to the WWTP. The powerhouse was built in 1955 and contains three coal fired boilers one steam air compressor and seven electric air compressors that provided the plant with heat and compressed air. The plant is currently heated by gas fired boilers contained within the plant itself. Sumps and drains in the basement of the powerhouse are piped to the WWTP, as are the various sumps and drains throughout the Property. Coal entered the powerhouse in the basement, and entered an elevator where it was carried to an approximately 500-ton capacity coal hopper on the top floor of the building. Coal was then funneled to the coal scale deck where it was weighed out 200 pounds at a time for the boilers. A bag house, used to treat the air emissions from the powerhouse, is located on the roof of the powerhouse. Adjacent to the coal-fired boilers is a trenched vacuum system to pull ashes out of the boilers. Ashes were stored in a silo adjacent to the powerhouse which was periodically emptied and shipped off-site. Attached to the northern side of the powerhouse is the switch house, where power came in from the switch yard. All transformers currently in the switch house are labeled to be "PCB free."

**Fire Pump House**

The fire pump house is located between the switch house and the boiler house and contains equipment used for the fire suppression system. A 300 gallon double walled steel AST containing diesel is contained within the building. The tank is used for the backup generator for the fire suppression system.

**Baler House**

Located east of the main plant between the plant and the powerhouse, the baler house was built in 1955. The baler house was used to collect scrap metal from the main plant via a conveyor system. Once in the baler house, the scrap metal was shredded and taken off site for reuse. Prior

to Ferrous Trading and Processing installing the shredding machinery, scrap metal was compressed into blocks prior to its shipment offsite.

**Switch Houses**

The switch house is located at the northeastern corner of the Subject Property. The original switch house was built in 1955 and previously contained switch gear, transformers, and other electrical equipment. Currently, the building is used for storage. A basement is present in the building; however at the time of the site visit it was flooded and therefore not inspected. Adjacent to the original switch house is the new switch house, which was built in 1984. The new switch house contains all the electrical equipment for the plant and does not have a basement.

**Press Prep Building**

Located east of the main plant between the switch house and the main building, the press prep building was built in 1984. The original purpose of the building was to clean newly arrived press components prior to being sent to the main plant. When that operation ceased, the building was used for storage, training, and truck repair.

**Compressor Building**

The compressor building, located east of the WWTP, was not inspected during the site reconnaissance due to access issues. An April, 2010 ARCADIS Phase I Assessment on the Subject Property indicated that the building provided compressed air to the plant building, and is owned by Ingersoll Rand and leased from MLC. The building was reportedly built in 2000 and contains several large compressors. ARCADIS indicated that the plant does not store hazardous waste but did contain lube oils, water treatment chemicals, greases, paints, and some degreasing solvents. ARCADIS did not note any significant problems with the compressor building. Mike Arnold, CDA Supervisor with Ingersoll Rand, confirmed that the conclusions presented in the Phase I report prepared by ARCADIS are still accurate.

**Coil Steel Rack Building**

Located on the eastern side of the plant, the coil steel rack building was built in 1981 to house coiled steel prior to it entering the main plant. The building is currently being used for light storage.

## 2.5 CURRENT AND PAST USE OF ADJOINING PROPERTIES

The Subject Property is bound by West Fourth Street and businesses to the north (including the Bookery, Red Lobster, ABC Warehouse, and the United Auto Workers); Stumbo Road followed by Wellspring, First Merit Bank, Advantage Credit Union, and the Richland Mall to the east; the Ontario Police Department, followed by State Route 309 and a railyard to the south; and Beer Road followed by businesses (Burner Systems, Invensys, Universal Refrigeration, Yellow Trucking, and Shearer Equipment) and a residence/farmland to the west.

# 3.0 USER PROVIDED INFORMATION

The following section summarizes information obtained by Tetra Tech during PESA work and investigative reviews.

## 3.1 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

The GM Corporation is listed as the owner of record on the most current deed obtained from the Richland County Recorder. GM filed for Chapter 11 bankruptcy in 2009 and became the MLC. Currently, no production is taking place at the site; there are currently 11 contractors for MLC on site; nine security personnel and two facility managers.

## 3.2 PRIOR ASSESSMENTS

Tetra Tech reviewed an April, 2010 Phase I Environmental Site Assessment performed on the Mansfield Stamping Plant (Subject Property), and an April 2008 Phase I Environmental Site Assessment performed on the baler house. Both reports were prepared by ARCADIS U.S., Inc. of Braintree, Massachusetts. The reports are summarized below:

**Phase I Environmental Site Assessment, Mansfield Stamping Plant (Subject Property)**

Key findings and concerns of the report include:

- An asbestos survey was conducted in March, 2000 that indicated asbestos was present in the main plant, powerhouse plant, baler house, rack wash building, and the fire pump house. According to an asbestos survey conducted in 2007, asbestos containing materials were found in piping insulation, window glazing, and roofing materials in the baler house. Insulation was abated from the baler house, and records document abatement and disposal activities in 2007. The facility does have an asbestos abatement plan in place.
- Due to the age of the facility, the presence of lead-based paint is a concern. The report indicated that the plant does test paint materials prior to their disposal.
- Richland County is located in Radon Zone 1, where indoor radon levels are greater than 4 picoCuries per liter (pCi/L). ARCADIS concluded, however, that the probability of elevated radon levels at the facility was low.
- The facility has numerous pits and sumps located in the basement of the main building and under machinery. The pits and sumps were historically used to collect oil from the hydraulic machinery above. ARCADIS considered this a REC.
- A 20,000-gallon overflow spill underground storage tank (UST) is present outside of the oil crib to collect spills in the loading area and within the crib. ARCADIS considered this a REC.
- A former WWTP was located near the baler house and powerhouse. It is unknown whether any of the basins or tanks leaked or what, if any, remediation efforts were undertaken when the plant was removed. ARCADIS considered this a REC.
- The floor around the hydraulic components of the trash compactor was stained, indicating a leak. ARCADIS considered this a REC.
- Several former USTs were removed in 2003. The USTs contained diesel and gasoline, and received a No Further Action (NFA) status from the Bureau of Underground Storage Tanks (BUSTR) post closure.

During the site reconnaissance conducted by ARCADIS, facility personnel indicated that wetlands existed on the Subject Property, which they confirmed with a state wetland map provided by EDR. The report indicated that groundwater flow in the area is southwest towards an unnamed tributary located 1/2 mile southwest of the property. ARCADIS also indicated that when a new piece of equipment was installed at the plant, the floor beneath was removed and replaced. The removed floor was tested for PCBs; none of the flooring tested contained PCBs. PCBs were identified in some of the older light ballasts remaining at the property, but not in the remaining electrical equipment or transformers.

**Baler House Phase I Assessment**

The assessment of the 11,000 square foot baler house did not reveal any RECs or historical RECs but did reveal the following environmental issues:

- An asbestos survey conducted in August 2007 indicated ACMs were identified in piping insulation, window glazing, and roofing materials at the baler house. The insulation was abated from the baler house prior to renovations.
- Bulk paint samples collected from the baler house indicated that lead-based paint was present at the facility. During renovation of the building, lead-based paint was abated in the areas directly affected by the construction activities.
- Richland County is located in Radon Zone 1, where indoor radon levels are greater than 4 pCi/L. Facility personnel indicated that no radon testing had occurred at the facility; however, the baler house is on a slab foundation with no basement. Therefore, ARCADIS concluded that the probability of elevated concentrations of radon was low.

The baler house Phase I also references a geotechnical investigation that was performed in July 2007 at the baler house by G2 Consulting Group, LLC. Six soil borings were installed at the baler house area, one of which was installed in an area that formerly held aboveground storage tanks (ASTs); no evidence of visible staining or odors was detected. Soil was sampled for corrosivity, cyanide, metals, mercury, ignitability, PCBs, sulfide, semi-volatile organic compounds (SVOCs), and volatile organic compounds (VOCs). Analytical results were below the Ohio Voluntary Action Program (VAP) Generic Direct Contact Standards for Industrial Land Use and Construction and Excavation Activities Categories. Borings were also placed in pits where former equipment was located; according to G2, soil was tested and results were below Ohio VAP standards.

# 4.0 RECORDS REVIEW

Tetra Tech reviewed available records to assess the environmental regulatory status of the Subject Property and other properties within a radius designated by ASTM E 1527-05. The following subsections summarize the information obtained during the records review.

## 4.1 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

Tetra Tech obtained an Environmental Lien Search Report from EDR for the Subject Property. The Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens or other activity and use limitations, such as engineering or institutional controls. EDR did not identify any environmental liens on the Subject Property. EDR's report is included in Appendix B.

## 4.2 STANDARD ENVIRONMENTAL RECORD SOURCES

Tetra Tech reviewed the EDR search results of standard environmental sources for the Subject Property (see Appendix C). The search of available federal, state and local regulatory agency databases was conducted in an attempt to (1) identify if the property is listed on searched environmental files and (2) identify facilities within the ASTM-defined radius that could cause actual or potential environmental impacts to the Subject Property. A complete list of the federal, state, and local agency databases reviewed is provided in the EDR report.

The fact that sites do or do not appear on a list does not necessarily indicate that an environmental concern does or does not exist. In addition, sites may not be mapped in a list search due to the

inaccuracy of owner/operator records, government records, or errors occurring during conversion of the data by informational sources. The Subject Property was listed in the SPILLS, CORRACTS, RCRA-SQG, PADS, FINDS, MANIFEST, UST, LUST, and ERNS databases. A copy of the EDR radius report is provided in Appendix C.

**Table 2**
**Sites Within One-Half Mile of the Subject Property**

| Site | Address | Databases [(1)] | Approximate Distance from Site |
|---|---|---|---|
| CPC Group – GM, General Motors/Chevrolet Production Center, General Motors Mansfield Stamping Plant, General Motors, General Motors/CLCD Mansfield, Mansfield Fabricating Plant, Motors Liquidation Company, GM | 2525 West Fourth Street | SPILLS, CORRACTS, RCRA-SQG, PADS, FINDS, MANIFEST, UST, LUST, ERNS | Subject Property |
| Springfield Mold & Die | 2420 West Fourth Street | RCRA-NonGen, FINDS | 0.153 mi ENE |
| Village Police Department | 555 Stumbo Road | LUST | 0.377 mi ENE |
| Sears Roebuck & Co. | 600 Richland Mall | LUST | 0.383 mi ESE |
| Marathon Pipeline Co. | Stumbo Road | LUST | 0.392 mi ESE |
| Former Universal Tubular Systems, Universal Enterprises Inc. | 525 Beer Road | DERR, INST CONTROL, VCP, USD, LUST | 0.414 mi NW |
| Goodyear Auto Service Center | 2264 West Fourth Street | LUST | 0.486 mi ENE |

[(1)] Acronym Definitions of EDR Databases:
FINDS – Facility Index System/Facility Registry System
CORRACTS – Corrective Action Report
PADS – PCB Activity Database System
UST – Underground storage tank database
ERNS – Emergency Response Notification System
INST CONTROL – Sites with Institutional Controls
USD – Urban Setting Designation Sites
SPILLS – Emergency Response Database
RCRA-SQG – RCRA small quantity generator
MANIFEST – Hazardous waste manifest data
LUST – Leaking Underground Storage Tank
DERR – Division of Emergency & Remedial Response
VCP – Voluntary Action Program Sites

Review of the radius search results indicated 7 facilities located within the ASTM-specified search radii, as listed in Table 2:

Details regarding each of these sites are presented in the EDR report in Appendix C. Tetra Tech reviewed the information provided by EDR to evaluate these sites potential to represent IAs, or potential concerns with regard to the Subject Property and in some instances obtained and reviewed additional follow up information. The sites were considered with regard to available information regarding current or past site use and activities; known or suspected releases; regulatory history and status; proximity to the Subject Property; prevailing groundwater flow direction and/ or surface drainage patterns, or other factors. Based on these considerations, none of the sites identified in the radius search, other than the Subject Property, appear to represent Identified Areas (IAs) or potential concerns with regard to the Subject Property at this time. The Subject Property was identified in the search in association with the following issues.

**CPC Group – GM, General Motors/Chevrolet Production Center, General Motors Mansfield Stamping Plant, General Motors, General Motors/CLCD Mansfield, Mansfield**

**Fabricating Plant, Motors Liquidation Company, and GM** are listed as the Subject Property in the EDR Report. The Subject Property is listed in the SPILLS, CORRACTS, RCRA-SQG, PADS, FINDS, MANIFEST, UST, LUST, and ERNS databases. Four spills are listed in the EDR report – an oil spill in December 1990, ethylene glycol spills in 1998 and 1993, and a waste water spill in October 1990. No other information is given, however, the October waste water spill is further discussed in Section 4.3. CORRACTS identifies hazardous waste handlers with RCRA corrective action activity; the entire facility is included in the database. RCRA SQGs generate between 100 and 1,000 kg of hazardous waste per month; the EDR report lists the facility as handling batteries, lamps, pesticides, thermostats, ignitable hazardous wastes (D001), corrosive hazardous wastes (D002), cadmium (D006), lead (D008), mercury (D009), selenium (D010), benzene (D018), methyl ethyl ketone (D035), tetrachloroethylene (D039), and spent non-halogenated solvents (F003 and F005). The facility became an SQG in 2003. Prior to that, it was a LQG from 1990 to 2002. The facility was classified as a non generator in 1980. The facility received three written informal violations from the state in August 1997; compliance was achieved in October 1997. The violations are discussed further in Section 4.3. The facility is listed in the PADS database as a generator of PCBs.

Facilities are listed in the FINDS database due to their inclusion in other databases; in this case the Subject Property was listed in the Aerometric Information Retrieval System Facility Subsystem, National Emissions Inventory, Toxics Release Inventory System, RCRAInfo, Ohio Core database, and the Permit Compliance System which contains information on National Pollution Discharge Elimination System (NPDES) permits. The MANIFEST database contains facility manifest data; manifests track hazardous wastes from the generator to a disposal facility. Three USTs are registered at the facility – two 2,000-gallon double walled steel gasoline tanks, and one 2,000-gallon cathodically protected steel diesel tank. The tanks were installed in 1986; in May, 1988 free product was discovered in a manhole adjacent to the tank site. Gaskets on the tanks were made of an incorrect rubber typed and therefore swelled and deteriorated, causing the leak. It was also noted that fuel was spilled during the filling of the tanks. The tanks were pumped out and tightness tested; the diesel tank showed a leak rate of 0.115 gallons/hour. Soil and water were excavated from around the tanks and tested for benzene, toluene, ethylbenzene and xylenes and total petroleum hydrocarbons (TPH). Water sample results were below detection limits (BDL). Soil from above the unleaded tanks indicated 244 part per million (ppm) TPH; composite samples from the walls and bottom were BDL. The liner on the interior of the tanks and the gaskets were replaced, the area was backfilled, and the tanks were placed back in service. BUSTR issued a No Further Action (NFA) letter in 1992. The three tanks were taken out of service in December 2002, and a closure report was received by BUSTR in March 2003. BUSTR files indicate that none of the soil sampled was above action levels and recommended an NFA, which was issued March 24, 2003. The facility is listed in the ERNS database due to the ethylene glycol leak. Two areas are considered IAs: the area of the ethylene glycol spill, and the area of the former tank farm.

## 4.3 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

In accordance with the Freedom of Information Act (FOIA) and Ohio Public Records Law, Tetra Tech contacted the following agencies to request publicly available information regarding the Subject Property: U.S. Environmental Protection Agency (USEPA) Region 5; Ohio EPA Northwest District Office (NWDO); Springfield Township Fire Department; Richland County Health Department; and BUSTR. In addition, information was obtained from the Ohio Department of Natural Resources (ODNR) through their website. A limited file review was also conducted at the Mansfield Stamping Plant during the site reconnaissance. Copies of the information request letters and responses, if any, are included in Appendix D. The results of the file requests are summarized below.

***USEPA***

Mr. Kevin Pierard, Chief of the NPDES Program Branch, responded that the Water Division did not maintain records on the GM/Mansfield Stamping Plant (Subject Property) as it is a minor facility.
Ms. Mary Villarreal, Acting Chief of Internal Services indicated that the Land and Chemicals Division did not have any files on the Subject Property.

***Ohio EPA***

The following information was provided to Tetra Tech by Ms. Linda Tisle, FOIA Officer for the NWDO:

- Hazardous Waste Management Facilities map, December 1981. The map indicated that stormwater at the Subject Property flows southwest towards the stormwater retention pond on site. Additionally, outfall discharge 003 was located at the southeast portion of the property (behind the Ontario Police Department), and discharged to the sanitary sewer. Two intake points from neighboring properties (Bender-Loudon and Shafer Valve) appeared to merge with the property's stormwater retention pond.

- Map of the facility received by the Hazardous Waste Facility Approval Board on December 17, 1981. The map showed an area of the Subject Property, south of the plant, that was a former landfill. Additionally, it listed four USTs at the Subject Property: one adjacent to the original WWTP, two on the northeast corner of the plant, and one located at the center of the south wall of the plant.

- A letter from Ohio EPA to GM, dated June 1982. The letter indicated that GM had eliminated hazardous waste generation at the facility, and that no violations were found during a June inspection.

- RCRA Hazardous Waste Generator Compliance Evaluation Inspection Checklist, December 1991. Waste oils that are generated in the plant were being burned at the powerhouse for energy recovery purposes. Four wastes were listed as being generated by the plant: zinc rich primer, D001 (that was to be eliminated in 1992); lacquer thinner containing toluene, F005 and D001; mercury ignition switches, D009 and U151; and waste adhesive, D001 (listed as no longer being used at the facility).

- RCRA Hazardous Waste Generator Compliance Evaluation Inspection Checklist, August 1997. The facility was an LQG producing paint waste, spent lithium batteries, spent lead acid batteries, spent mercury tubes, and spent plotter ink. Waste streams in the production area came from used oil and scrap metal. Used oil was collected and used for heating purposes in the cold months, and shipped off-site for disposal during warm months. Scrap metal was sent offsite for recycling.

- Ohio EPA response concerning the violations of hazardous waste rules, October 1997. Three violations were issued to GM in August, 1997. 1) GM failed to date three containers of hazardous waste; GM corrected the violation by labeling the drums. 2) GM did not provide annual training refresher courses to several employees; GM corrected the violation by holding training sessions. 3) GM failed to record weekly inspections of the communications system; GM again corrected the

violation. Consequently, GM had returned to compliance on the three violations noted in August.

- Environmental Spill/Release Response Plan, April 2001. The plan calls for the following measures in association with spills. The 1.72 million gallon stormwater retention basin had an oil boom across its width and a skimmer/collection tank in case of an accidental spill. Three off-site drainage ditches discharged through GM's stormwater retention basin. The Subject Property maintained three USTs and one emergency spill UST; the emergency UST was kept empty and had never been used. In addition to the USTs, the plant maintained 21 ASTs; a list of ASTs and USTs can be found in Appendix D. PCBs have been identified at the facility in capacitors, article containers, and containers; the plant currently has no PCB transformers or PCB capacitors. The Plan also showed a list of Zep Parts Washers located at the plant. At the time of the Plan, there were four 20-gallon, eleven 35-gallon, one 55-gallon, and five 100-gallon parts washers at the plant. Finally, the Plan details past spills at the facility. In May, 1993, 330 gallons of ethylene glycol were spilled at the plant. Effluent discharge and soil sampling data did not indicate any contamination, and it is presumed the ethylene glycol collected in the stormwater retention basin prior to its discharge.

- Ohio EPA Inspection Report, November 2002. The facility was a LQG that generated the following wastes: waste paint and thinner (D001, F003 and F005), waste paint debris (D001, F003, and F005), unusable gasoline and diesel (D001 and D018), waste fuel filters (D001 and D018), non-mercury chemical oxygen demand (COD) vials (D002, D007, and D011), and filters and resin from an electrical discharge machining (EDM) laser cutter (D007 and D010). A pollution prevention worksheet indicated that the plant moved from coal fired to gas fired heat in December 2000, the cooking oil grease at the facility was recycled, and the concrete removed from the plant was recycled after toxicity characteristic leaching procedure (TCLP) analysis was completed.

- GM Corporation Integrated Spill Plan, May 2003. The facility had two production operations – automobile part production (with associated metal stamping, sheet metal blanking, and spot welding) and die, fixture, and mechanical device design and fabrication. The facility has one hazardous waste storage area located in the southwestern corner of the facility. Secondary containment was provided by six-inch curbing and trench drains. The trench drains discharged to a 15,000-gallon underground spill tank located outside. The facility also had a PCB storage cabinet along the southern wall, which also had secondary containment and a six-inch deep sump. PCB containing materials, such as light ballasts, were kept in the cabinet. The spill, prevention, control and countermeasure plan (SPCC) lists 16 ASTs at the facility that held gasoline, diesel, various oils, and wastewater. In addition to the ASTs, the SPCC listed 115 pieces of oil-filled equipment with volume greater than 55 gallons.

- Ohio EPA inspection report of the industrial wastewater and stormwater treatment facilities, April 2010. The inspection was conducted due to the renewal of the facilities NPDES permit. At the time of the letter, all manufacturing operations at the plant had ceased, and equipment was being disassembled and moved. The WWTP was receiving minimal flow from equipment cleaning and groundwater seepage. Discharge monitoring reports from September 2007 through March 2010 did not reveal any violations of the NPDES permit.

- Attachment A, Narrative Description of Pollutant Sources, no date. At the time of the report, the old WWTP was being decommissioned and closed. The former WWTP consisted of a 200,000 gallon holding tank, 20,000 gallon clarifier, 8,000 gallon used oil storage tank, and a 2,500 gallon alum storage tank. Additionally, four USTs were present: one 62,000 gallon waste water process tank, one 62,000 gallon sludge tank, one 6,500 gallon used oil tank, and one 26,000 gallon used oil tank. No stormwater drains are located inside the buildings; a study recently verified that all interior floor drains are connected to the WWTP.

In addition to the above information, Lisa Oltman, FOIA Officer for the Central District Office, provided four Spill Reports for the Subject Property.

- Reported in October, 1990, the spill report pertains to a permit violation for the industrial waste water plant. No follow-up was conducted.
- Reported in November, 1990, the spill report pertains to an excess of oil and grease in the stormwater effluent. The permitted level of oil and grease is 10 milligrams per liter (mg/L); the discharge water sampled for oil and grease in October was reported as 14 mg/L. Two ditches flow onto the Subject Property from outside sources; it was determined that the oil and grease spill came from Bender & Louden Trucking (currently Yellow Trucking), located at 815 North Beer Road. The trucking facility also reportedly had diesel USTs at one time. Absorbent socks were put into place where the ditches flow onto the Subject Property; however they had become tangled, allowing the spill to flow onto the property and into the stormwater retention pond.
- Reported in May, 1993, a spill of ethylene glycol (antifreeze) was estimated to have happened in March. It is thought that a snow plow accidently broke the piping at the snow melt pad area. The snow melt area is a 40 x 600 foot concrete slab that is heated with 50:50 water-ethylene glycol mixture, circulated through 1/2" piping. The contaminated area was 1 x 4 feet; GM estimates that approximately 330 gallons were discharged at the time of the leak. It is presumed that the liquid was flushed into the storm system, entering the stormwater retention pond before being discharged. Monthly NPDES sampling did not indicate any non-compliant conditions, and soil sampling at the leak site did not indicate contamination.
- Reported in September, 1998, the underground piping carrying ethylene glycol broke and released the product into the storm sewer. The leak was discovered when discolored water was seen discharging from a storm sewer into a nearly dry ditch. GM contracted K & D Environmental Services to vacuum the antifreeze from the creek, and to dig a trench to intercept it. The trench was pumped out daily and taken to the on-site WWTP; about 1,500 gallons a day was pumped and treated. Initially, the concentration of ethylene glycol in the trench liquid was 10 percent; however, at the time of the report follow-up, it was 0.4 percent. Ohio EPA decided no response was necessary to address the spill.

Martin Smith, Ohio EPA DERR, indicated that his office received the following information pertaining to the Subject Property from the Division of Hazardous Waste Management (DHWM): The facility has no outstanding issues pertaining to hazardous waste. The facility previously had a Part A permit for storage of hazardous wastes; however, 1982 and 1983 inspections indicated that the facility was no longer generating hazardous wastes. Ohio EPA informed GM in 1985 that their Part A permit had expired and they were now considered a Small Quantity Generator. Closure of the hazardous waste management areas was not required in the letter. The Subject Property stored its hazardous wastes in containers, storage tanks, and tank treatment units; however, DHWM indicated that only containers were used for storage at the facility.

***Springfield Township Fire Department***

No response was received from the Springfield Township Fire Department prior to the date of this report's completion. Should a response be received that will alter the recommendations made within this report, an addendum will be forwarded to Ohio EPA.

***Richland County Health Department***

Ms. Andrea Barnes provided a Health Department issued Environment Site Assessment for the Subject Property. The assessment indicated that the City of Ontario provides water and sewage disposal for the property, and there were no nuisance complaints pertaining to the property. Additionally, there are Food Service Operation license/inspection reports and Vending machine license/inspection reports on file with the Board of Health. According to these reports, the GM Café, providing food services to the plant, closed on January 31, 2010.

***BUSTR***

Ms. Nancy Caldwell, FOIA Officer for BUSTR provided information pertaining to the three registered tanks that were removed in 2002. Information received is summarized in Section 4.2.

***Mansfield Stamping Plant***

- Notification for USTs, dated April 28, 1986. The form lists the following USTs at the plant:

    - One 5 year old 10,000 gallon kerosene tank
    - One 8 year old 8,000 gallon trichloroethylene tank
    - One 26 year old 8,000 gallon diesel tank
    - Two new 2,000 gallon gasoline tanks
    - One new 2,000 gallon diesel tank
    - One new 15,000 gallon Hazardous Waste Liquid NOS tank
    - One 10 year old 6,000 gallon diesel tank
    - One 30 year old 7,000 gallon concrete used oil tank
    - One 30 year old 50,000 gallon concrete oily wastewater #1 tank
    - One 30 year old 22,000 gallon concrete oil sludge tank

- A 1984 facility map indicates that the coal storage area adjacent to the powerhouse was approximately 300 x 143 feet, or 42,900 square feet. Two waste oil storage tanks are listed adjacent to the original WWTP, south of the baler house.

- A June, 1989 Ohio EPA inspection notice indicates that there are two 8,000 gallon USTs on the Subject Property. One is empty and not used, while the other contained approximately 2,000 gallons of diesel fuel. "Severe" soil contamination was apparent within a 20 foot radius of the tank area, and contaminated water was observed flowing to the ditch on Beer Road.

- Sample results from the geotechnical investigation conducted at the baler house in 2007, analyzed by Test America, indicated arsenic, chromium, lead, aluminum, and iron levels above the reporting limits. Sample results for TCLP VOCs and SVOCs were reported as non-detect.

***ODNR***

Well logs for the wells located both on the Subject Property and off were obtained from ODNR's website (http://www.dnr.state.oh.us). A single well is located on the Subject Property, underneath the water tower. The well was constructed in 1956 into a shale aquifer. Surrounding well logs were observed in order to obtain information on the geology of the area.

## 4.4 PHYSICAL SETTING

Tetra Tech reviewed the most recent U.S. Geological Survey (USGS) 7.5-Minute Topographic Maps (see Appendix A) provided by EDR and groundwater information for the Subject Property. The most recent USGS 7.5-Minute Topographic Map for the Subject Property is the 1982 Mansfield North, Ohio Quadrangle. The EDR report lists the Subject Property elevation as 1,394 feet above msl. Regionally, elevations reach a high of 1,416 feet to the north, and a low of 1,352 feet to the west.

According to the EDR report, one federal PWS system and 57 state registered wells are located within a mile of the Subject Property. One well is located on the Subject Property, underneath the water tower. The well was constructed in 1956 to a depth of 220 feet bgs in a shale aquifer. The well log indicates clay, gravel, and sandstone overlaying shale, and a static water level of 125 feet. Well logs for the surrounding area indicate depths ranging from 200 to 295 feet bgs. The federal PWS is a well field located between one-half and one mile east-southeast and is owned by the City of Ontario. The general topographic gradient in the area is south; however, stormwater at the Subject Property and from the surrounding area is routed towards the stormwater retention pond.

## 4.5 HISTORICAL USE INFORMATION

To help identify the likelihood of past property uses that could result in portions of the Subject Property to be considered IAs as defined by the Ohio VAP Phase I Rule, Tetra Tech conducted a search of reasonably ascertainable historical use information for the Subject Property. Tetra Tech reviewed the EDR-provided aerial photographs, historical Sanborn Fire Insurance maps, historical topographic maps, and city directories search for the Subject Property. The results of the historical review are described in the following sections. Copies of these documents are included in Appendix A.

### 4.5.1 Historical Topographic Maps

Sections of historical topographic maps for the Subject Property were obtained by EDR. Copies of these map sections are included in Appendix A. EDR provided map sections from the 1915 Crestline 15-Minute, and the 1960, 1972, 1974, and 1982 Mansfield North 7.5-Minute Topographic Maps. Additionally, Tetra Tech obtained the 2010 Mansfield North 7.5-Minute Topographic Map from the United States Geological Survey Website (www.usgs.com). The Subject Property appears to be vacant land in the 1915 map. Two structures appear to the southwest, and the Erie Railroad appears to the south. The large main plant appears on the 1960 map, with two smaller buildings and a water tower appearing just east of the plant. A rail line enters the Subject Property from the southeast. The surrounding area appears residential and agricultural. A pipeline runs through the southern portion of the Subject Property. An addition has been built onto the western wall of the main plant in the 1972 map. The rail line appears to enter the new addition. A small pond is present to the east of the plant, south of the water tower. Two water towers are present, and one of the auxiliary buildings appears to have undergone renovation. The electrical substation and the stormwater retention pond are also present on the

Subject Property. The surrounding area appears similar to the 1960 map, with the addition of the Richland Mall to the east. A large building, spanning the distance between Beer Road and the main plant has been built in the 1974 map; the remainder of the Subject Property appears similar to the 1972 map. Additional commercial and residential properties are present in the surrounding area. In the 1982 map, the Subject Property contains six buildings, including the main plant and an extension to what appears to be the boiler house. Additional growth of residential and commercial structures is evident in the surrounding areas.

The 2010 topographic map includes an aerial photograph; the property looks as it did during Tetra Tech's site visit. A pond is shown on the property at the location of the WWTP. Additionally, what appears to be a creek runs from the storage area behind the rack wash building down to the stormwater retention pond. The surrounding area also appears much as it did during the site visit – a mixture of commercial, residential, and agricultural land. Review of the historical topographic maps did not identify obvious evidence of additional environmental concerns that could impact the Subject Property.

### 4.5.2 Historical Aerial Photographs

Sections of historical aerial photographs for the Subject Property were obtained by EDR for the years 1959, 1960, 1972, 1974, 1981, 1988, 1997, 2005, and 2006. Copies of these photographs are included in Appendix A The main plant, as well as what appears to be the electrical substation, water tower, powerhouse, and baler house all appear on the 1959 photograph. The land adjacent to the powerhouse to the south appears to be used for coal storage. The surrounding area is mostly agricultural. The 1960 photograph is not clear, and useful information is difficult to ascertain. A pond appears below the coal storage area in the 1972 photograph; the remainder of the plant appears similar to the previous photograph. The surrounding area appears to be agricultural and residential. The 1974 photograph is not clear, and useful information is difficult to ascertain. The 1981 photograph appears similar to the previous photograph; surrounding areas appear residential, commercial and agricultural. The 1988 photograph shows the main plant with the 1984 addition; similar to how it was observed during Tetra Tech's site visit. The press prep and coil steel rack buildings both appear in the photograph. Outdoor storage racks appear to the east and west of the main plant. Residences appear to the north of the property, while commercial properties appear to the east and south. The 1997 photograph shows the main plant along with buildings observed during Tetra Tech's site visit. The surrounding area appears much the same as the previous photograph. The 2005 and 2006 photographs show the Subject Property and surrounding areas similar to how they appear today. Review of the historical aerial photographs did not identify obvious evidence of additional environmental concerns that could impact the Subject Property.

### 4.5.3 Sanborn Fire Insurance Maps

EDR conducted a search of the Sanborn Fire Insurance Maps, and did not have any coverage for the Subject Property.

### 4.5.4 City Directories

Tetra Tech reviewed a search of available city directory data performed by EDR. EDR researched the Burch Directory for the years 1959 to 1990 and the Polk's City Directory for the years 1995 to 2010. The Subject Property was listed as Fisher Body Division of GMC (1975 and 1980), Chevrolet Pontiac Canada Group (1986 and 1990), North American Operations (1995), American Performance Lubricant, Electronic Data Systems Corp, Metal Fabrication Division and

Manufacturing Centers, and Pattermakers LLPM (2000), American Food and Vending and GM in 2005, and American Food and Vending, GM, and GM Mansfield Metal Center in 2010.

Surrounding properties were listed as Universal Enterprises/Refrigeration (545 Beer Road), Pro-Build/Wickes Lumber (2275 Stumbo Road), City Office Building (555 Stumbo Road), Dunkin Jewelers, Wellspring Pharmacy, Sprint, Freeman Marketing, and Mansfield Furniture (2291 W Fourth Street), United Auto Workers (2510 W Fourth Street), and Residential (2628 W Fourth Street). The City Directory is provided in Appendix A. Review of the historical city directories did not identify obvious evidence of additional environmental concerns that could impact the Subject Property.

# 5.0 SITE RECONNAISSANCE

This section discusses the site reconnaissance conducted by Tetra Tech personnel on January 11th and 12th, 2011. Martin Smith, Targeted Brownfields Assessment (TBA) Coordinator with the Ohio EPA DERR, Central Office attended the site visit along with Ghassan Tafla-Ohio EPA DERR, NWDO, and contractor representatives for MLC including Jerry Kline and Mike Stewart. The objective of the site reconnaissance was to obtain information indicating the likelihood or identification of IAs in connection with the Subject Property and adjacent areas. Selected photographs taken during the site reconnaissance are included in Appendix E. The sections below discuss the PESA methodology and limiting conditions, general site setting, and Tetra Tech observations.

## 5.1 METHODOLOGY AND LIMITING CONDITIONS

Tetra Tech performed a site walkover of the Subject Property. All inspections were visual and no intrusive inspections or sampling was performed.

## 5.2 GENERAL SITE SETTING

The 2.9 million square foot stamping plant is situated on 266 acres of land along West Fourth Street. The plant was built in 1955 and 1956, with limited production beginning in late 1956. A rail dock was added to the west side of the plant in 1964, and a 10 acre addition was added on the south side beginning in 1984. Eleven additional buildings are located on the site – the rack wash building, gas boiler house, coil steel rack building, baler house, press prep building, original switch house, new switch house, fire pump house, powerhouse, waste water treatment plant, and the compressor building. A stormwater retention pond is located at the southwestern corner of the property; numerous small ditches and creeks lead from the plant into the retention pond.

Legal descriptions for the Subject Property are presented in Appendix A.

### 5.2.1 Hazardous Substances, Petroleum Products, and Containers

Several containers of hazardous substances were observed throughout the Subject Property during the reconnaissance. They include the following:

- Numerous pieces of machinery in the main stamping plant contain or contained hydraulic oil. Several pieces of machinery have been removed by GM for use in other plants; the remainder is to be auctioned off at a future date. Reportedly, GM drained all machinery and flushed all drains prior to November, 2010. However, Tetra Tech did not observe documentation stating all oils had been removed from the machinery. Standing water/oil was observed under several pieces of machinery.

- Approximately 18 parts washers are stored in the southwest portion of the main plant, adjacent to the oil crib. These were reportedly cleaned out last year; however, one was observed to be full of liquid at the time of the inspection. The area where the parts washers were stored did not show signs of spills or staining; however, the parts washers were not used in this section of the plant, they are merely being stored there prior to the auction.
- Numerous drums and other containers were observed throughout the facility. Containers were labeled caustic soda, Tribol, floor scrubber, formula 7700, hydraulic oil, used oil, Citric Acid 50, and Sodium Hydroxide. Some leaking or staining was observed in conjunction with the containers. Most containers observed were empty.
- Two batteries were observed in the fire pump house in conjunction with the fire suppression equipment.

### 5.2.2 Pools of Liquid and Odors

Tetra Tech observed pools of oily water in the main stamping plant associated with the press pits. Additionally, black oily water was observed to have leaked onto the floor in the northwest corner of the baler house.

### 5.2.3 Storage Tanks

Tetra Tech observed approximately 12 ASTs during the site reconnaissance. Mr. Kline indicated that all ASTs were drained last year. ASTs observed appeared to be in good condition with no staining evident. ASTs observed include:

- A 300 gallon diesel AST outside the powerhouse, used to power a backup generator.
- A backup generator and associated AST on the northwest corner of the building, used to power the computer room.
- A 300 gallon diesel AST inside the fire pump house building.
- Two 10,000 gallon ASTs in the oil crib – one contained used oil and the other contained gear oil.
- Four hydraulic oil ASTs in the oil crib – approximately 2,000 gallons each.
- An AST in the basement of the stamping plant of unknown size used to collect oil from the floor above.

One UST is currently on-site, a 15,000 gallon spill tank located outside the oil crib on the western side of the building. The spill tank was reportedly cleaned out last year by GM and is not registered with BUSTR. Additionally, Tetra Tech observed an area on the southwest corner of the building where three USTs were removed. The area is currently part of the asphalt roadway.

### 5.2.4 PCB - Containing Equipment

Tetra Tech did not observe PCB containing equipment during the site reconnaissance. Transformers on the property observed by Tetra Tech were labeled "PCB free." The facility is listed as a generator of PCBs in the EPA database; it is presumed that this is related to the use of cutting oils and dielectric fluids used in plant equipment. Additionally, two drums labeled "PCB containment spill kit" were located within the oil crib (see picture 47, Appendix E).

### 5.2.5 Solid Waste and Debris Disposal

Tetra Tech did not observe solid waste or debris disposal during the site reconnaissance. Based on documents located in Ohio EPA files, a land fill was operated at the site at some point. No information is available regarding the size, contents, permits, or closure of the landfill. The suspected area of the former landfill was observed to be an open grassy area adjacent to the roadway.

### 5.2.6 Floor Drains, Sumps, Waste Water, and Septic Systems

Floor drains and sumps were observed throughout the Subject Property. Interior floor drains and sumps lead to the on-site waste water treatment plant. Sumps are located in the basement of the powerhouse and WWTP, as well as in machine pits in the main plant. Several floor drains observed were black and appeared to be stained with oil.

### 5.2.7 Stained Soil, Pavement, and Floors

Tetra Tech observed multiple areas of staining in association with machinery in the main plant building. Staining was also observed underneath equipment in the powerhouse and the baler house.

### 5.2.8 Pits, Ponds, or Lagoons

Stormwater from the Subject Property and surrounding area is directed to an onsite stormwater retention pond. The pond is aerated, and discharges into an unnamed creek. An oil skimmer is present at the pond in case of any spills at the plant. No other pits, ponds, or lagoons were observed on the Subject Property during the site reconnaissance.

### 5.2.9 Incinerator

Tetra Tech did not observe evidence of a current or former incinerator on the Subject Property during the site reconnaissance.

### 5.2.10 Lead Based Paint and Asbestos

GM currently has an asbestos plan in place for the plant. Several asbestos surveys have been conducted, and asbestos in areas of concern has been abated. Tetra Tech observed pipes in the basement of the main stamping plant that indicated they were insulated with asbestos. Lead based paint was banned in 1977; the building was originally built in 1956, therefore lead based paint is also a concern. According to the ARCADIS Baler House Phase I, lead based paint was abated from the baler house in areas that were affected by construction activities. Ohio EPA records indicate it was abated from the water tower. The ARCADIS Phase I indicated that any paint is tested for lead prior to its disposal.

## 6.0 INTERVIEWS

Information pertaining to the site was obtained Jerry Kline, contractor for MLC and acting plant manager, and Mike Stewart, contractor for MLC and WWTP engineer during the site reconnaissance.

## 7.0 FINDINGS AND OPINIONS

Tetra Tech identified evidence of known or suspect environmental conditions associated with the Subject Property and surrounding properties. The location at a property where a release of petroleum or hazardous substances has or may have occurred is considered an IA as defined by Ohio VAP.

The following IAs, as indicated below, were determined regarding the Subject Property. The IAs are depicted in Figure 4.

1. **Snow staging area.** Two spills of ethylene glycol were reported at the snow staging area, one in May 1993 and the other in September 1998. The spill in 1993 is estimated to have released 330 gallons of ethylene glycol, which was presumed to have been flushed down the storm sewer. The 1998 spill was reportedly much larger (although the quantity is unknown), and the underlying heating system was flushed with water, which was then treated at the WWTP. Due to uncertainty and a lack of documentation regarding the response to the releases, the snow staging area is considered an IA.

2. **Area of former tank farm.** Three underground storage tanks were installed in 1986 off the southwest corner of the main plant. The tanks reportedly contained gasoline and diesel. Evidence of a release was discovered in a manhole 1988 when gaskets on the tanks failed. Soil and water were excavated, and tank liners and gaskets were replaced. BUSTR issued an NFA, and the tanks were taken out of service in December 2002. BUSTR issued an additional NFA for the closure of the tanks. Ohio VAP Guidelines regulations indicate that UST areas with NFA letters should still be considered IAs under VAP; therefore the area of the former tank farm is an IA.

3. **Missing USTs.** A 1981 map of the Property received by the Ohio EPA Hazardous Waste Facility Approval Board indicates the presence of four USTs that are not registered with BUSTR. Additionally, a Notification for USTs dated April 1986 indicates the presence of ten USTs on the Property, three of which are included in the NFA letters from BUSTR files discussed above. Mr. Kline indicated that all USTs have been removed from the Property; however, no documentation from BUSTR was provided to confirm appropriate closure. Once located, the areas where the tanks were located should be considered IAs.

4. **Former WWTP.** The former WWTP was located near the baler house, and contained clarifiers, retention basins and used oil storage tanks. No documentation was found regarding confirmatory sampling or proper closure of the structure. The area south of the baler house where the former WWTP was located is an IA.

5. **Former Landfill.** A 1981 map of the Property received by the Ohio EPA Hazardous Waste Facility Approval Board indicates the presence of a landfill south of the main plant on the Subject Property. No information was available regarding the size, contents, regulatory status, or closure activities associated with this feature. This area is therefore considered an IA.

6. **Coal storage area.** The area adjacent to the powerhouse, and once including the land now occupied by the WWTP, was once used to store coal. As the coal pile

appeared to be open, rainfall runoff is a concern. Due to the potential for mercury and various heavy metals leaching into the soil and groundwater below, the coal storage area is considered an IA.

7. **Original switch house.** The switch house was built in 1955 and previously contained transformers, switches, and electrical equipment. Due to the age of the building, the likelihood of the equipment contained therein containing PCBs and mercury is a concern. The switch house is considered an IA.

8. **Stained flooring and floor drains.** Multiple areas of stained flooring were observed throughout the Subject Property. Staining was observed in conjunction with machinery in the main plant, powerhouse, and baler house. Wood block flooring used beneath heavy press machinery remains in some areas of the plant. Much of this material is stained due to apparent saturation with cutting oils used at the site. Several floor drains and sumps were observed to contain black, oily material. Soil and groundwater adjacent to these floor drain features, sumps throughout the facility are considered an IA.

9. **Existing WWTP.** The current WWTP consists of three 50,000-gallon holding tanks, two 38,000-gallon bioreactor tanks, and two CPI oil/water separators. The basement of the building contains the sump that collects water from a plant-wide floor drain system which feeds the water into the treatment system. The floor drains in the basement of the WWTP were stained with a black, oily substance. It is unclear whether any spills or leaks have occurred in the past at the WWTP. Due to the potential of past spills/leaks and the stained floor drains, the existing WWTP is considered an IA.

10. **Hazardous Waste Storage Pad.** Historical documents indicate a RCRA Hazardous Waste accumulation area within the oil crib. While the record search indicates that the RCRA generator status for the site was changed following cessation of site operations, it is not clear whether the Hazardous Waste accumulation area was closed in accordance with the requirements of the Ohio Administrative Code and RCRA. Ohio VAP rules indicate that chemical and/or oil storage areas should be considered IAs.

## 8.0 RECOMMENDATIONS

Based on the information obtained during the site visit, and environmental history of the Property, there is reason to believe that a release of hazardous substances and/or petroleum has or may have occurred on, is underlying, or is emanating from the Subject Property. Tetra Tech recommends a Phase II investigation to determine whether the Identified Areas have impacted the Subject Property and if possible, to what extent. This investigation would include the following activities:

- In light of the wide spread distribution of Identified Areas and extensive operation history associated with the Subject Property, a thorough soil and groundwater investigation is required.

- Several containers of hazardous substances, including drums, parts washers, batteries, and machinery are still present on the Subject Property. Tetra Tech recommends that these materials be identified, inventoried, and characterized for proper disposal.

- The current GM asbestos abatement plan should be thoroughly reviewed to ensure that materials requiring removal, encapsulation, and or operations and maintenance (O&M) are adequately addressed. A comprehensive lead based paint inspection should be undertaken prior to any demolition or renovations at the site.

- GM currently has an asbestos plan in place for the plant, and several asbestos surveys have been conducted. Several areas throughout the plant were labeled as containing asbestos. Lead based paint is also a concern due to the age of the building. The asbestos and lead based paint present at the Subject Property are not considered IAs; however, they should be managed or abated during renovation or demolition of any on-site buildings.

## 9.0 DEVIATIONS

Tetra Tech conducted inquires and completed research using guidance established by ASTM E 1527-05 and Ohio VAP standard practices. Deviations from these practices include data gaps within the historical records, which were previously described.

## 10.0 REFERENCES

Ameristar 2010. Chain of Ownership Report, Reference Number 2837649.9. August 18.

Environmental Data Resources (EDR) 2011. The EDR Aerial Photo Decade Package, Mansfield Stamping Plant, EDR Inquiry Number 2959580.5. January 6.

EDR 2011. The EDR - City Directory Abstract, Mansfield Stamping Plant, EDR Inquiry Number 2959580.6. January 10.

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## 11.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Vicky Farmer 1/28/11

Vicky Farmer Date
Environmental Scientist

Qualifications

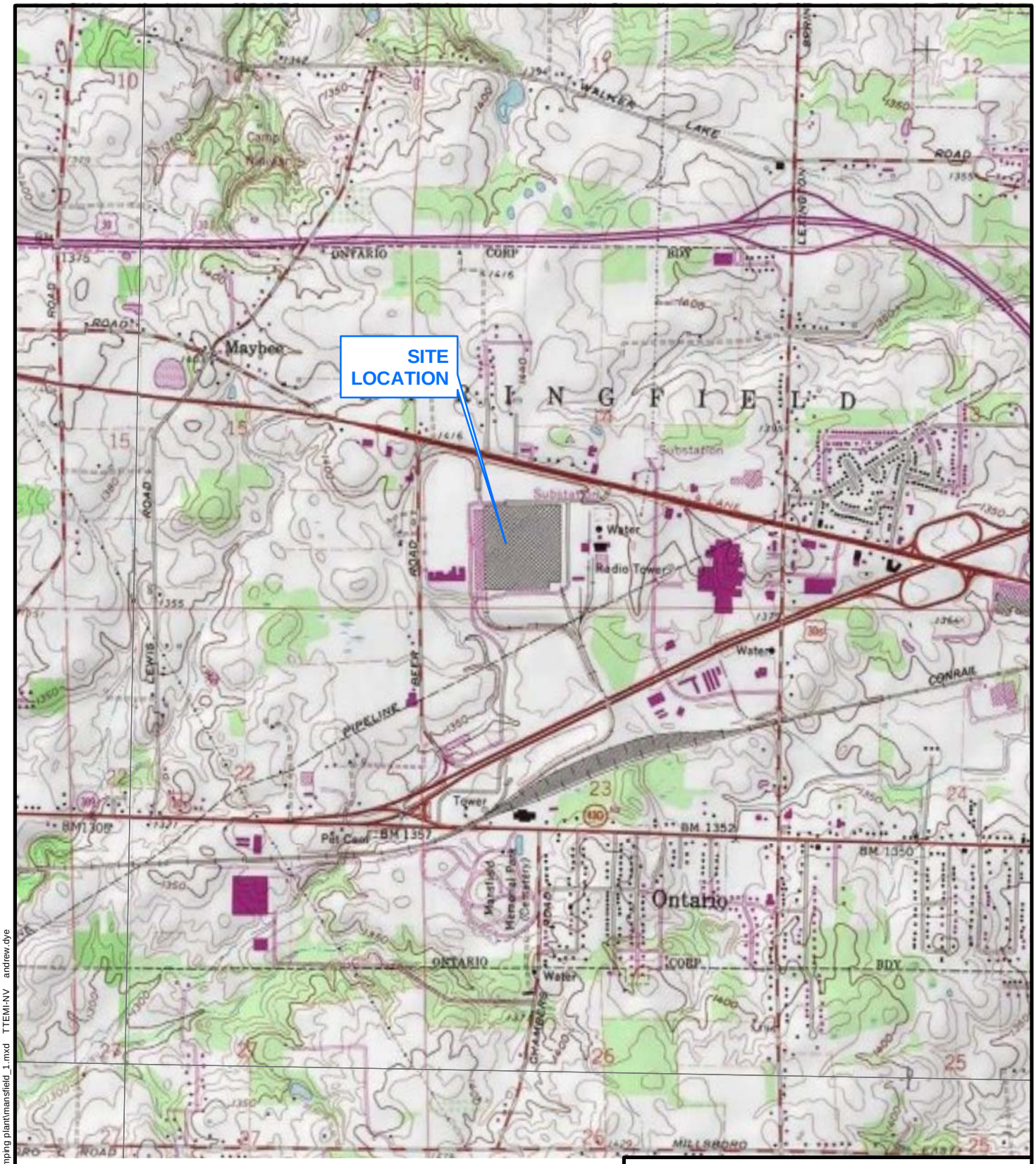
Ms. Vicky Farmer is an Environmental Scientist for Tetra Tech. Ms. Farmer holds a Bachelor's of Science degree in Environmental Science from Morehead State University in Morehead, Kentucky. Her 1.5 years of experience includes performing numerous PESAs for various clients at a wide variety of residential, commercial, and industrial sites.

1/28/11

Carl Rhodes, C.P.G. Date
Operations Manager/Geologist

Mr. Rhodes is the Operations Manager and an Environmental Professional for Tetra Tech in Cincinnati, Ohio, with over 21 years of experience in the fields of environmental and waste management. He holds a Master of Science degree in Geology from Eastern Kentucky University, Richmond, Kentucky and a Bachelors of Science degree in Geology from Radford University, Radford, Virginia. He has performed investigations and remedial activities at more than 75 hazardous waste sites. Mr. Rhodes has planned and directed remedial investigations/feasibility studies (RI/FS) and numerous remediation and corrective action projects.

# Figures




N
W E
S

0 1,000 2,000 Feet

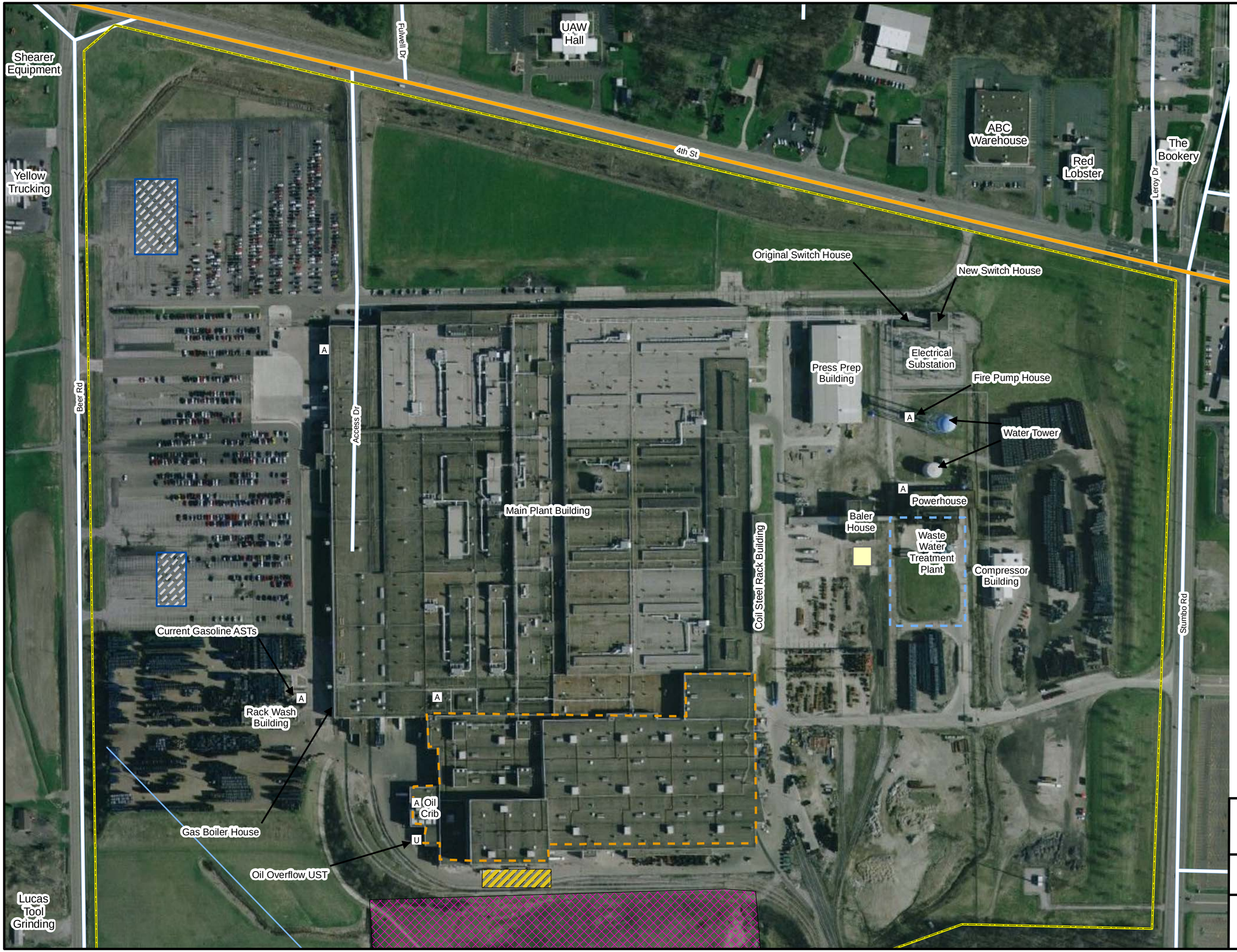
SOURCE: MODIFIED FROM USGS, MANSFIELD NORTH, OHIO QUADRANGLE DATED,1983.

MANSFIELD STAMPING PLANT
OHIO EPA
MANSFIELD, OHIO

FIGURE 1
SITE LOCATION MAP

TETRA TECH

2011-01-18 s:\cadd\s1714\01 - mansfield stamping plant\mansfield_1.mxd TTEMI-NV andrew.dye




Subject Property

Approximate Location of Former Tank Farm

1984 Addition

Former Coal Storage

Snow Staging Area

Former Landfill

A Aboveground Storage Tank

U Underground Storage Tank

Former Waste Water Treatment Plant

Note: Yellow Trucking on Beer Road is formerly known as Bender & Louden Trucking

N

W E

S

0 180 360

Feet

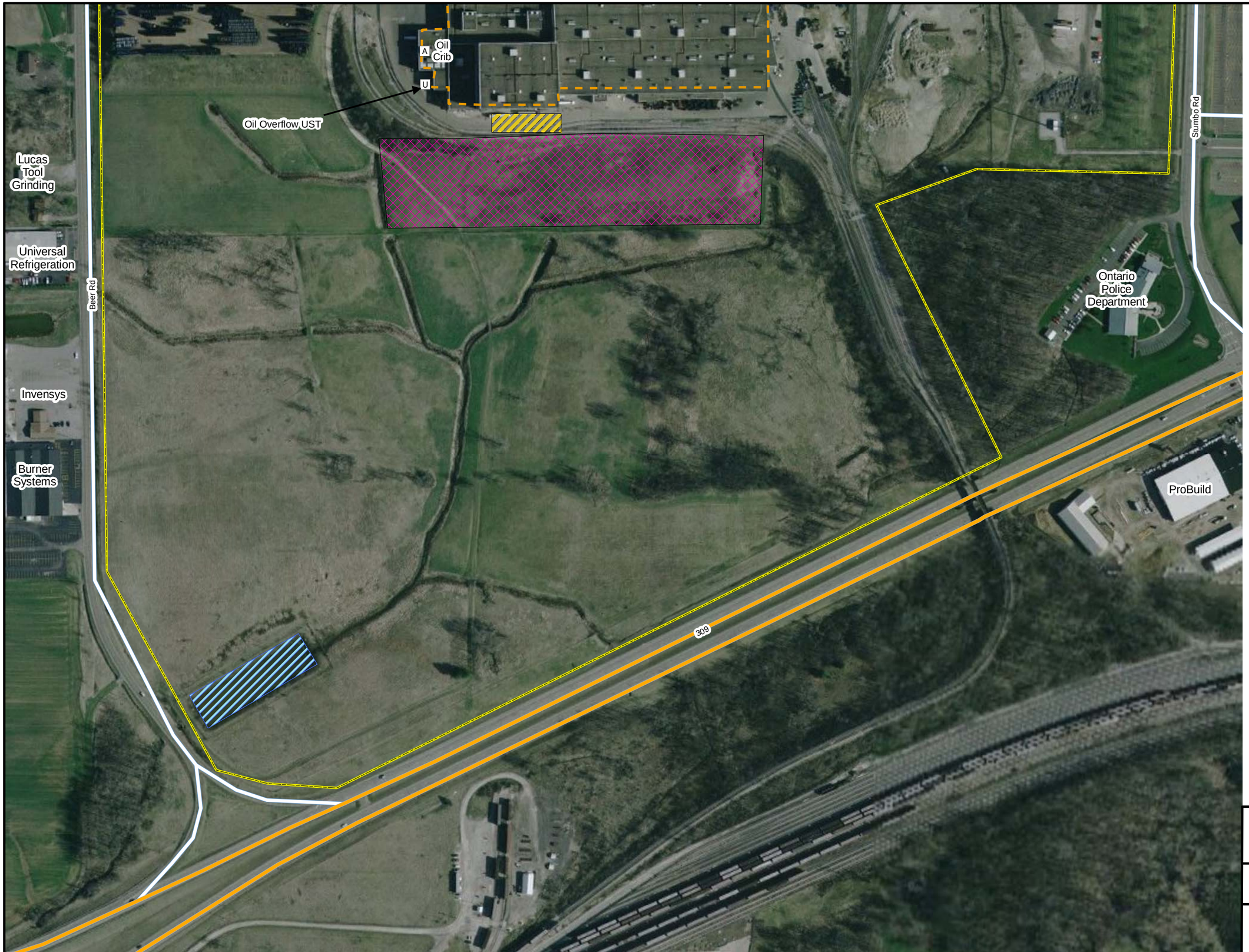
SOURCE: MODIFIED FROM STATE OF OHIO, 2006.

MANSFIELD STAMPING PLANT
OHIO EPA
MANSFIELD, OHIO

FIGURE 2A
SITE LAYOUT MAP - PLANT AREA

TETRA TECH

2011-01-18 s:\caddcs\1714\01 - mansfield stamping plant\mansfield_3.mxd TTEMI-NV andrew.dye




Subject Property

Approximate Location of Former Tank Farm

1984 Addition

Stormwater Retention Pond

Former Landfill

A Aboveground Storage Tank

U Underground Storage Tank

N

W E

S

0 195 390

Feet

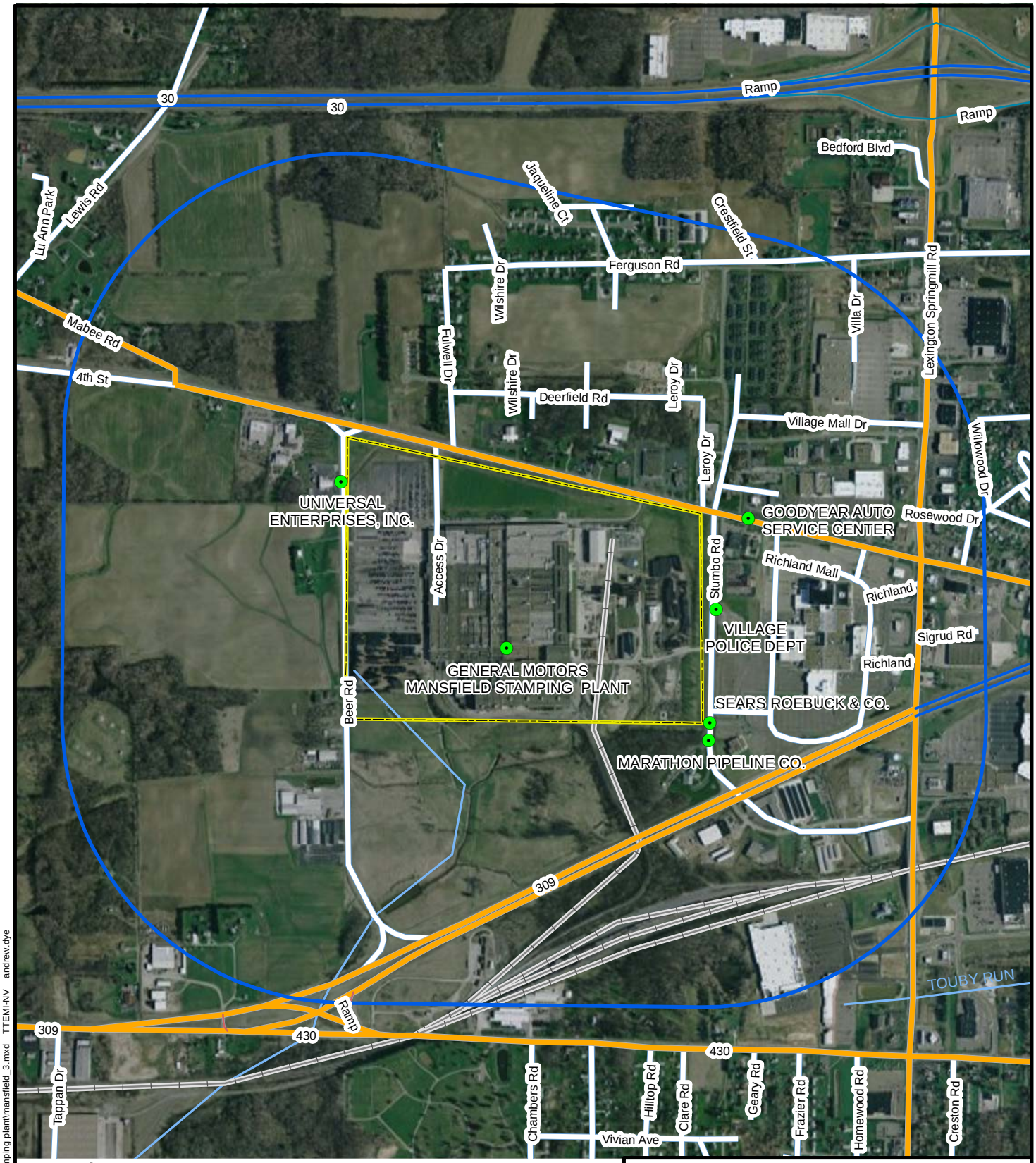
SOURCE: MODIFIED FROM STATE OF OHIO, 2006.

MANSFIELD STAMPING PLANT
OHIO EPA
MANSFIELD, OHIO

FIGURE 2B
SITE LAYOUT MAP - SOUTHERN AREA

TETRA TECH

2011-01-18 s:\cad\ds\1714\01 - mansfield stamping plant\mansfield_3.mxd TTEMI-NV andrew.dye




**Legend**

- EDR_Identified_Facility
- 0.5 Mile Radius Search Limit
- Subject Property

Note: 0.5 mile radius search limit based on ASTM International 1527-05 specified search for site listed in environmental databases.

SOURCE: MODIFIED FROM STATE OF OHIO, 2006.

N W E S

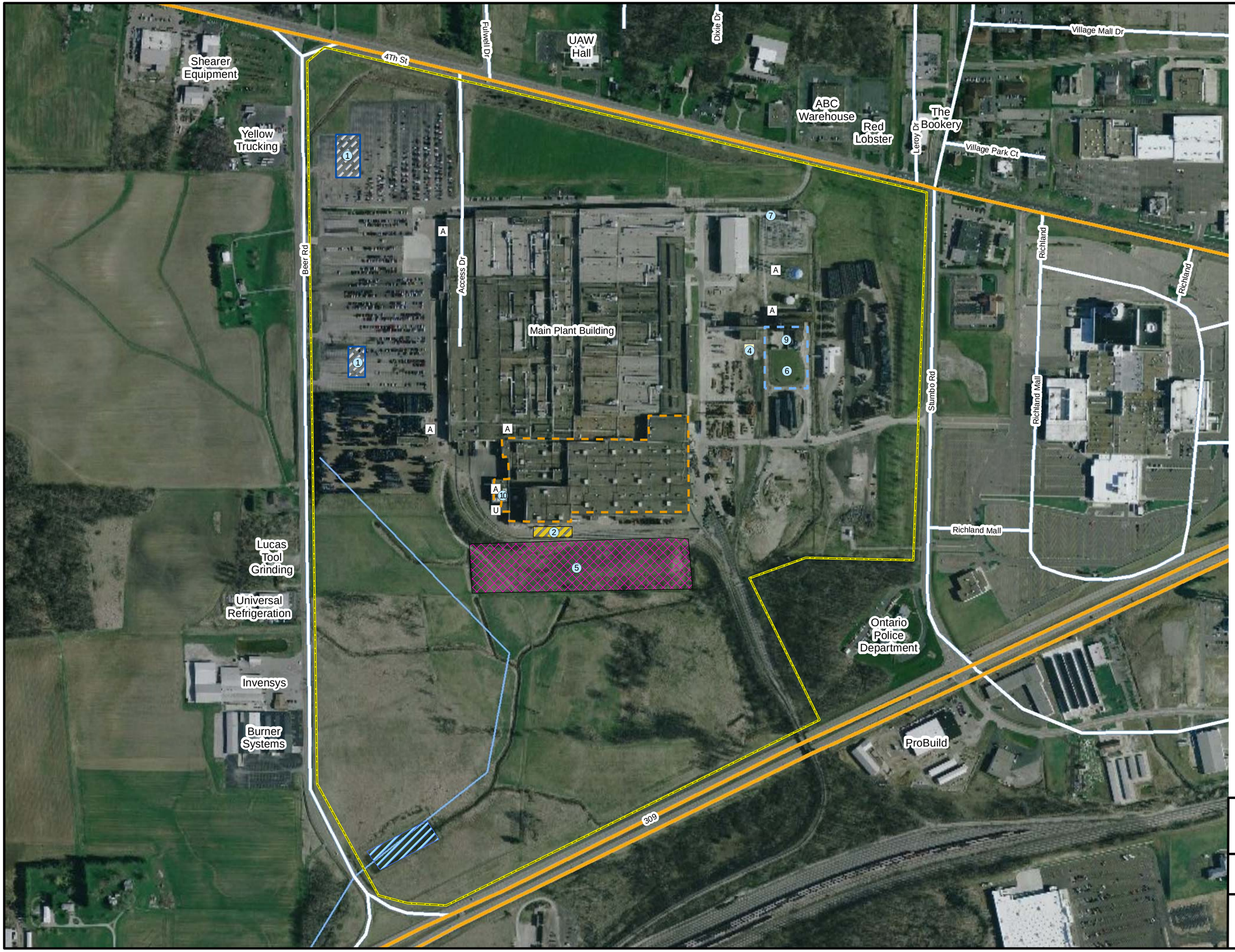
0 500 1,000 Feet

MANSFIELD STAMPING PLANT
OHIO EPA
MANSFIELD, OHIO

FIGURE 3
AREA MAP - IDENTIFIED PROPERTIES
WITHIN 1/2 MILE OF THE SUBJECT PROPERTY

TETRA TECH

2011-01-18 s:\cadd\s1714\01 - mansfield stamping plant\mansfield_3.mxd TTEMI-NV andrew.dye




Subject Property

Approximate Location of Former Tank Farm

1984 Addition

Former Coal Storage

Snow Staging Area

Former Landfill

A Aboveground Storage Tank

U Underground Storage Tank

Former Waste Water Treatment Plant

Stormwater Retention Pond

5 Identified Area Location

## Identified Areas

1. Snow Staging Area
2. Area of Former Tank Farm
3. Missing USTs (Not Mapped)
4. Former WWTP
5. Former Landfill
6. Coal Storage Area
7. Original Switch House
8. Stained Flooring, Floor Drains, and Sumps throughout the main plant, powerhouse and baler house
9. Existing WWTP
10. Hazardous Waste Storage Pad

N W E S

0 355 710 Feet

SOURCE: MODIFIED FROM STATE OF OHIO, 2006.

MANSFIELD STAMPING PLANT
OHIO EPA
MANSFIELD, OHIO

FIGURE 4
IDENTIFIED AREAS MAP

TETRA TECH

2011-01-18 s:\cadds\s1714\01 - mansfield stamping plant\mansfield_3.mxd TTEMI-NV andrew.dye

# Appendix A

# Historical Use Information and User Provided Information

**Mansfield Stamping Plant**
2525 W 4th Street
Mansfield, OH 44906

Inquiry Number: 2959580.5
January 06, 2011

# The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

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

# EDR Aerial Photo Decade Package

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

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## Date EDR Searched Historical Sources:

Aerial Photography January 06, 2011

## Target Property:

2525 W 4th Street

Mansfield, OH 44906

| *Year* | *Scale* | *Details* | *Source* |
|---|---|---|---|
| 1959 | Aerial Photograph. Scale: 1"=500' | Panel #: 40082-G5, Mansfield North, OH;/Flight Date: May 08, 1959 | EDR |
| 1960 | Aerial Photograph. Scale: 1"=1000' | Panel #: 40082-G5, Mansfield North, OH;/Flight Date: June 04, 1960 | EDR |
| 1972 | Aerial Photograph. Scale: 1"=500' | Panel #: 40082-G5, Mansfield North, OH;/Flight Date: April 10, 1972 | EDR |
| 1974 | Aerial Photograph. Scale: 1"=1000' | Panel #: 40082-G5, Mansfield North, OH;/Flight Date: May 20, 1974 | EDR |
| 1981 | Aerial Photograph. Scale: 1"=1000' | Panel #: 40082-G5, Mansfield North, OH;/Flight Date: April 18, 1981 | EDR |
| 1988 | Aerial Photograph. Scale: 1"=750' | Panel #: 40082-G5, Mansfield North, OH;/Flight Date: April 12, 1988 | EDR |
| 1997 | Aerial Photograph. Scale: 1"=750' | Panel #: 40082-G5, Mansfield North, OH;/Flight Date: March 27, 1997 | EDR |
| 2005 | Aerial Photograph. Scale: 1"=604' | Panel #: 40082-G5, Mansfield North, OH;/Flight Date: January 01, 2005 | EDR |
| 2006 | Aerial Photograph. Scale: 1"=604' | Panel #: 40082-G5, Mansfield North, OH;/Flight Date: January 01, 2006 | EDR |


INQUIRY #: 2959580.5
YEAR: 1959
= 500'
N

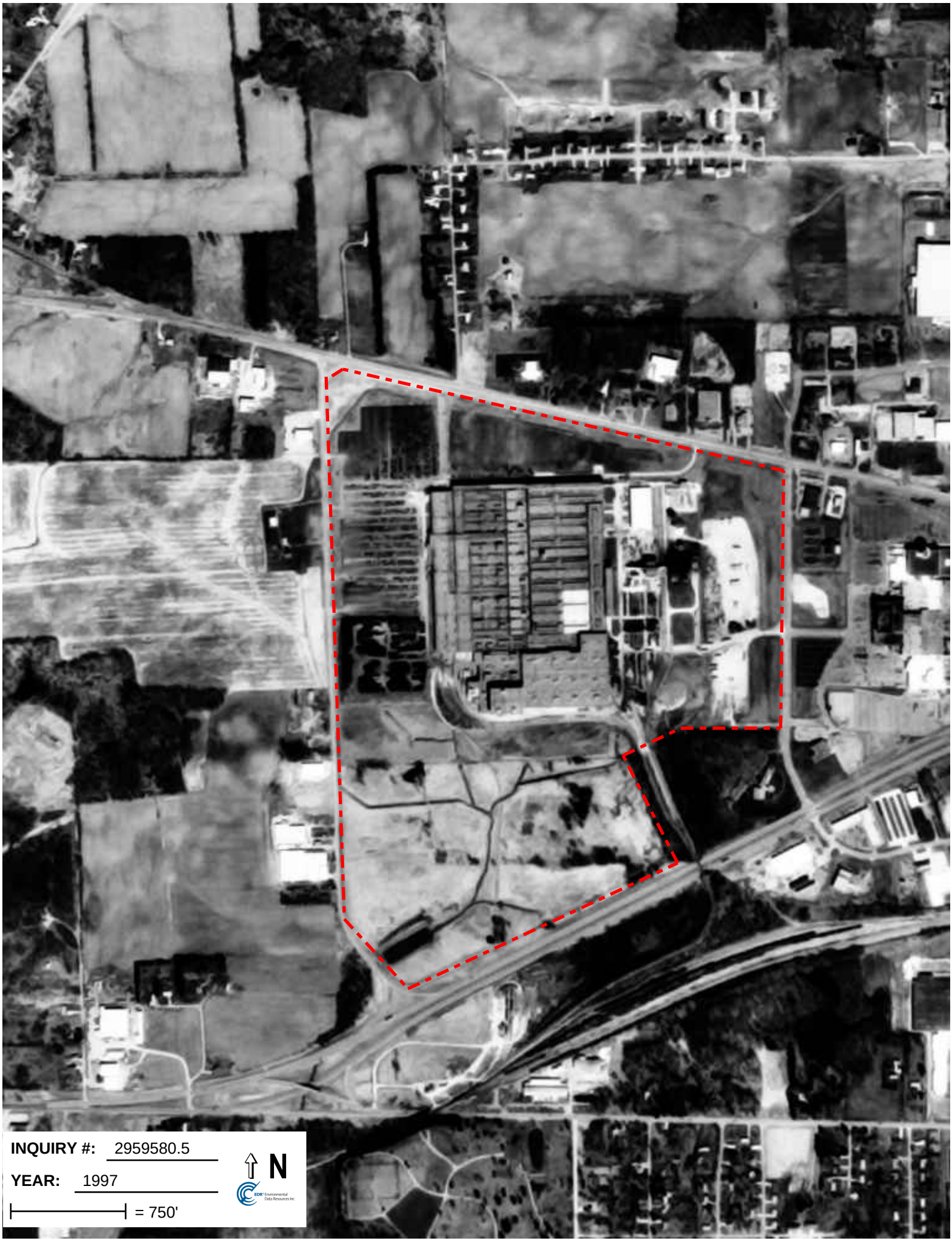

INQUIRY #: 2959580.5
YEAR: 1960
= 1000'
N


INQUIRY #: 2959580.5
YEAR: 1972
= 500'
N


INQUIRY #: 2959580.5
YEAR: 1974
= 1000'
N


INQUIRY #: 2959580.5
YEAR: 1981
= 1000'
N


INQUIRY #: 2959580.5
YEAR: 1988
= 750'
N


INQUIRY #: 2959580.5
YEAR: 1997
= 750'
N


INQUIRY #: 2959580.5
YEAR: 2005
= 604'
N


INQUIRY #: 2959580.5
YEAR: 2006
= 604'
N

**Mansfield Stamping Plant**
2525 W 4th Street
Mansfield, OH 44906

Inquiry Number: 2959580.8
January 05, 2011

# The EDR Property Tax Map Report

Environmental Data Resources Inc

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

# EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

## NO COVERAGE

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

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**Mansfield Stamping Plant**
2525 W 4th Street
Mansfield, OH 44906

Inquiry Number: 2959580.3
January 05, 2011

# Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

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

# Certified Sanborn® Map Report

1/05/11

**Site Name:**
Mansfield Stamping Plant
2525 W 4th Street
Mansfield, OH 44906

EDR Inquiry # 2959580.3

**Client Name:**
Tetra Tech EM, Inc.
250 West Court Street
Cincinnati, OH 45202

Contact: Vicky Farmer

EDR® Environmental Data Resources Inc

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

## *Certified Sanborn Results:*

**Site Name:** Mansfield Stamping Plant
**Address:** 2525 W 4th Street
**City, State, Zip:** Mansfield, OH 44906
**Cross Street:**
**P.O. #** NA
**Project:** NA
**Certification #** FC07-476A-ABE6

Sanborn® Library search results
Certification # FC07-476A-ABE6

### UNMAPPED PROPERTY

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

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

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

*The Sanborn Library LLC Since 1866™*

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**Mansfield Stamping Plant**
2525 W 4th Street
Mansfield, OH 44906

Inquiry Number: 2959580.6
January 10, 2011

# 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**

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# 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.

| Year | Source | TP | Adjoining | Text Abstract | Source Image |
|---|---|---|---|---|---|
| 2010 | Polk's City Directory | X | X | X | - |
| 2005 | Polk's City Directory | X | X | X | - |
| 2000 | Polk's City Directory | X | X | X | - |
| 1995 | Polk's City Directory | X | X | X | - |
| 1990 | Burch Directory Co | X | X | X | - |
| 1986 | Burch Directory Co | X | X | X | - |
| 1980 | Burch Directory Co | X | X | X | - |
| 1975 | Burch Directory Co | X | X | X | - |
| 1969 | Burch Directory Co | - | - | - | - |
| 1965 | Burch Directory Co | - | - | - | - |
| 1959 | Burch Directory Co | - | - | - | - |

# EXECUTIVE SUMMARY

## SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

| *Address* | *Type* | *Findings* |
|---|---|---|
| 545 Beer Road | Client Entered | X |
| 2275 Stumbo Road | Client Entered | X |
| 555 Stumbo Road | Client Entered | X |
| 2291 W 4th Street | Client Entered | X |

# FINDINGS

## TARGET PROPERTY INFORMATION

### ADDRESS

2525 W 4th Street
Mansfield, OH 44906

### FINDINGS DETAIL

Target Property research detail.

| *Year* | *Uses* | *Source* |
|---|---|---|
| 2010 | American Food & Vending | Polk's City Directory |
| | General Motors Co | Polk's City Directory |
| | GM Mansfield Metal Center | Polk's City Directory |
| 2005 | American Food & Vending | Polk's City Directory |
| | General Motors Co | Polk's City Directory |
| 2000 | American Performance Lubricant | Polk's City Directory |
| | Electronic Data Systems Corp | Polk's City Directory |
| | Metal Fabrication Div & Manufacturing Centers | Polk's City Directory |
| | Pattermakers LLPM | Polk's City Directory |
| 1995 | North American Operations | Polk's City Directory |
| 1990 | Chevrolet Pontiac Canada Group | Burch Directory Co |
| 1986 | Chevrolet Pontiac Canada Group | Burch Directory Co |
| 1980 | Fisher Body Division of GMC | Burch Directory Co |
| 1975 | Fisher Body Division of GMC | Burch Directory Co |

# FINDINGS

## ADJOINING PROPERTY DETAIL

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

### Beer Road

**545 Beer Road**

| Year | Uses | Source |
|---|---|---|
| 2010 | Universal Enterprises | Polk's City Directory |
| 2005 | Universal Refrigeration | Polk's City Directory |

### Stumbo Road

**2275 Stumbo Road**

| Year | Uses | Source |
|---|---|---|
| 2010 | Pro-Build | Polk's City Directory |
| 2005 | United Building Center | Polk's City Directory |
| 2000 | Wickes Lumber | Polk's City Directory |
| 1995 | Wickes Lumber | Polk's City Directory |
| 1990 | Wickes Lumber | Burch Directory Co |
| 1986 | Wickes Lumber & Building Supply | Burch Directory Co |
| 1980 | Wickes Lumber & Building Supply | Burch Directory Co |
| 1975 | Wickes Lumber & Building Supply | Burch Directory Co |

**555 Stumbo Road**

| Year | Uses | Source |
|---|---|---|
| 2010 | City Office Building (12 Occupants) | Polk's City Directory |
| 2005 | City Office Building (11 Occupants) | Polk's City Directory |
| 2000 | Ontario Village of Police Dept | Polk's City Directory |
| | Ontario Village of Tax Department | Polk's City Directory |
| | Ontario Village of Water & Sewer | Polk's City Directory |
| 1995 | Hellinger Municipal Building (10 Occupants) | Polk's City Directory |
| 1990 | Hellinger Municipal Building (12 Occupants) | Burch Directory Co |

### W 4th Street

**2291 W 4th Street**

| Year | Uses | Source |
|---|---|---|
| 2010 | Dunkin Jewelers | Polk's City Directory |

# FINDINGS

| Year | Uses | Source |
|---|---|---|
| 2010 | Wellspring | Polk's City Directory |
| 2005 | Dunkin Jewelers | Polk's City Directory |
| | Wellspring Customer Pharmacy | Polk's City Directory |
| 2000 | Sprint Corp | Polk's City Directory |
| | United Telephone Co of Ohio | Polk's City Directory |
| 1995 | Freeman Marketing Service Center | Polk's City Directory |
| | Sprint United Telephone Co of Ohio | Polk's City Directory |
| 1990 | Mansfield Furniture & Waterbeds | Burch Directory Co |
| 1986 | Richland Furniture & Waterbeds | Burch Directory Co |

**2510 W 4th Street**

| Year | Uses | Source |
|---|---|---|
| 2010 | UAW | Polk's City Directory |
| 2005 | United Auto Workers | Polk's City Directory |
| 2000 | Aerosp United Auto Workers | Polk's City Directory |
| 1995 | United Auto Workers Local 549 | Polk's City Directory |
| 1990 | United Auto Workers Local 549 | Burch Directory Co |
| 1986 | United Auto Workers Local 549 | Burch Directory Co |
| 1980 | United Auto Workers Local 549 | Burch Directory Co |
| 1975 | United Auto Workers Local 549 | Burch Directory Co |

**2628 W 4th Street**

| Year | Uses | Source |
|---|---|---|
| 2010 | Residential | Polk's City Directory |
| 2005 | Residential | Polk's City Directory |
| 2000 | Residential | Polk's City Directory |
| 1995 | Residential | Polk's City Directory |
| 1990 | Residential | Burch Directory Co |
| 1986 | Residential | Burch Directory Co |
| 1980 | Residential | Burch Directory Co |

# FINDINGS

## STREET NOT IDENTIFIED IN RESEARCH SOURCE

The following Streets were researched for this report, and the Streets were not identified in the research source.

| Street Researched | Street Not Identified in Research Source |
|---|---|
| Beer Road | 1969, 1965, 1959 |
| Stumbo Road | 1969, 1965, 1959 |

## TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

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

| Address Researched | Address Not Identified in Research Source |
|---|---|
| 2525 W 4th Street | 1969, 1965, 1959 |

## ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

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

| Address Researched | Address Not Identified in Research Source |
|---|---|
| 2275 Stumbo Road | No Years Found |
| 2291 W 4th Street | 1980, 1975, 1969, 1965, 1959 |
| 2510 W 4th Street | 1969, 1965, 1959 |
| 2628 W 4th Street | 1975, 1969, 1965, 1959 |
| 545 Beer Road | 2000, 1995, 1990, 1986, 1980, 1975 |
| 555 Stumbo Road | 1986, 1980, 1975 |

**Mansfield Stamping Plant**
2525 W 4th Street
Mansfield, OH 44906

Inquiry Number: 2959580.4
January 05, 2011

# EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

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

# EDR Historical Topographic Map Report

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

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

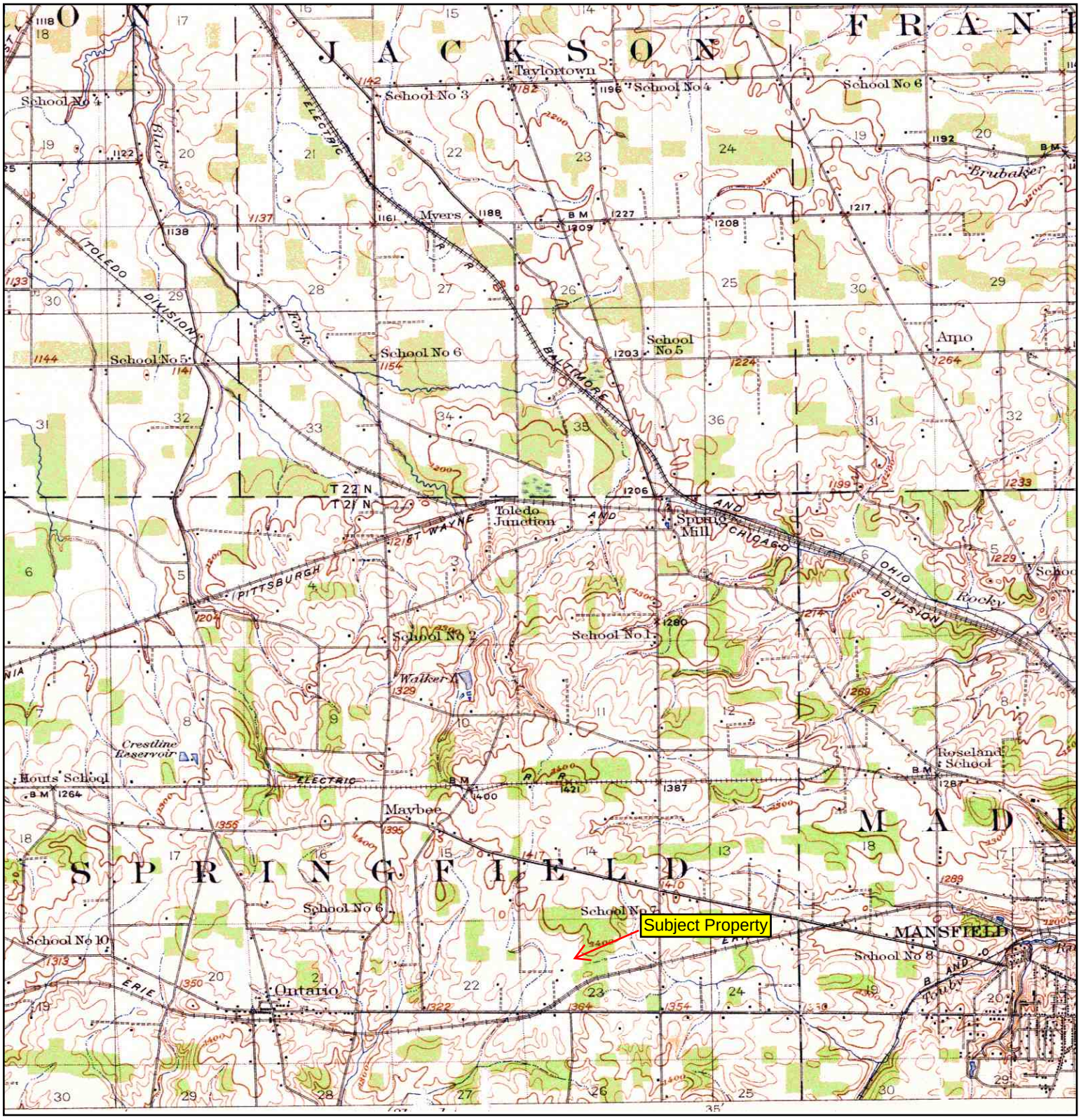

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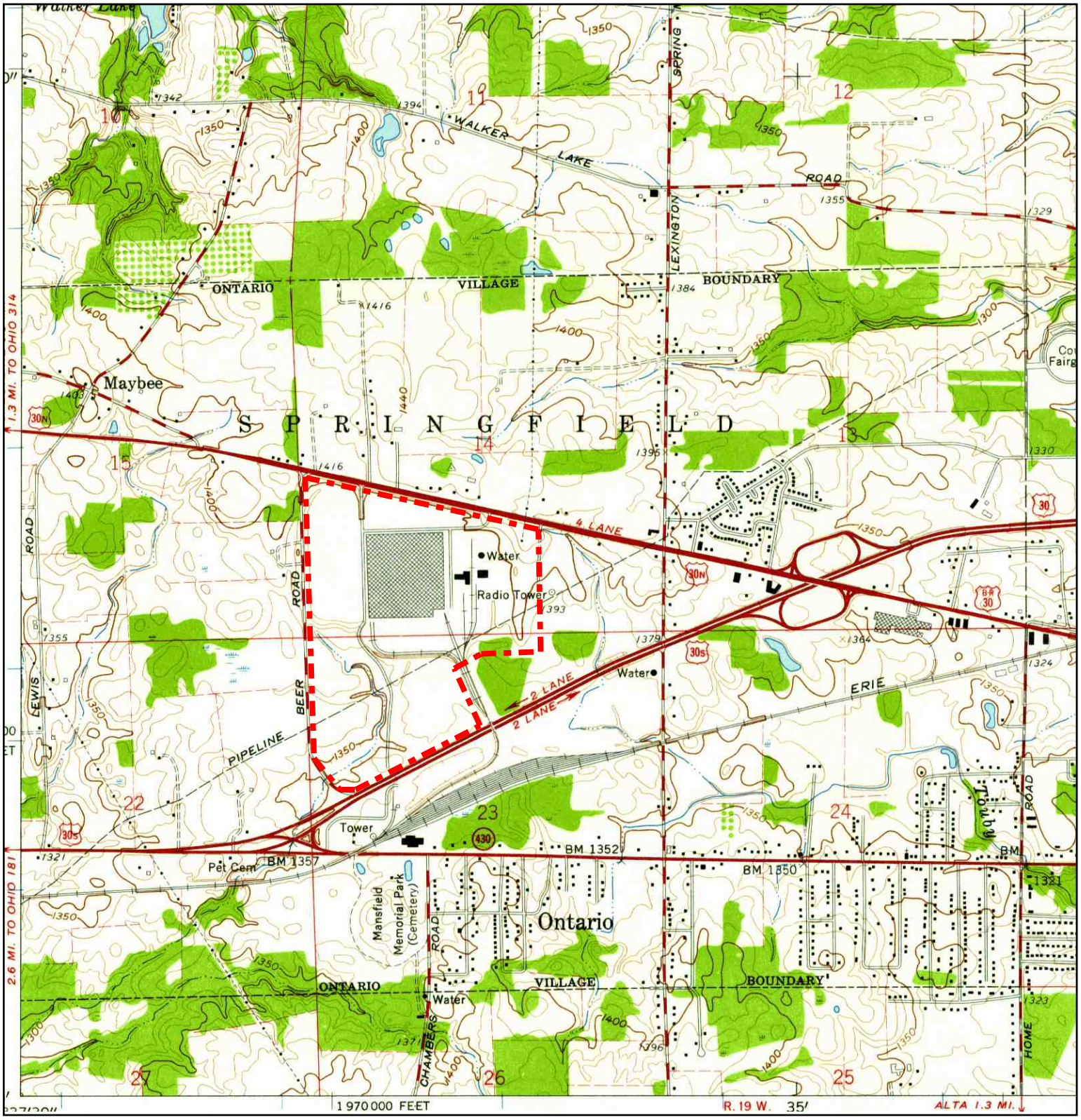
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# Historical Topographic Map



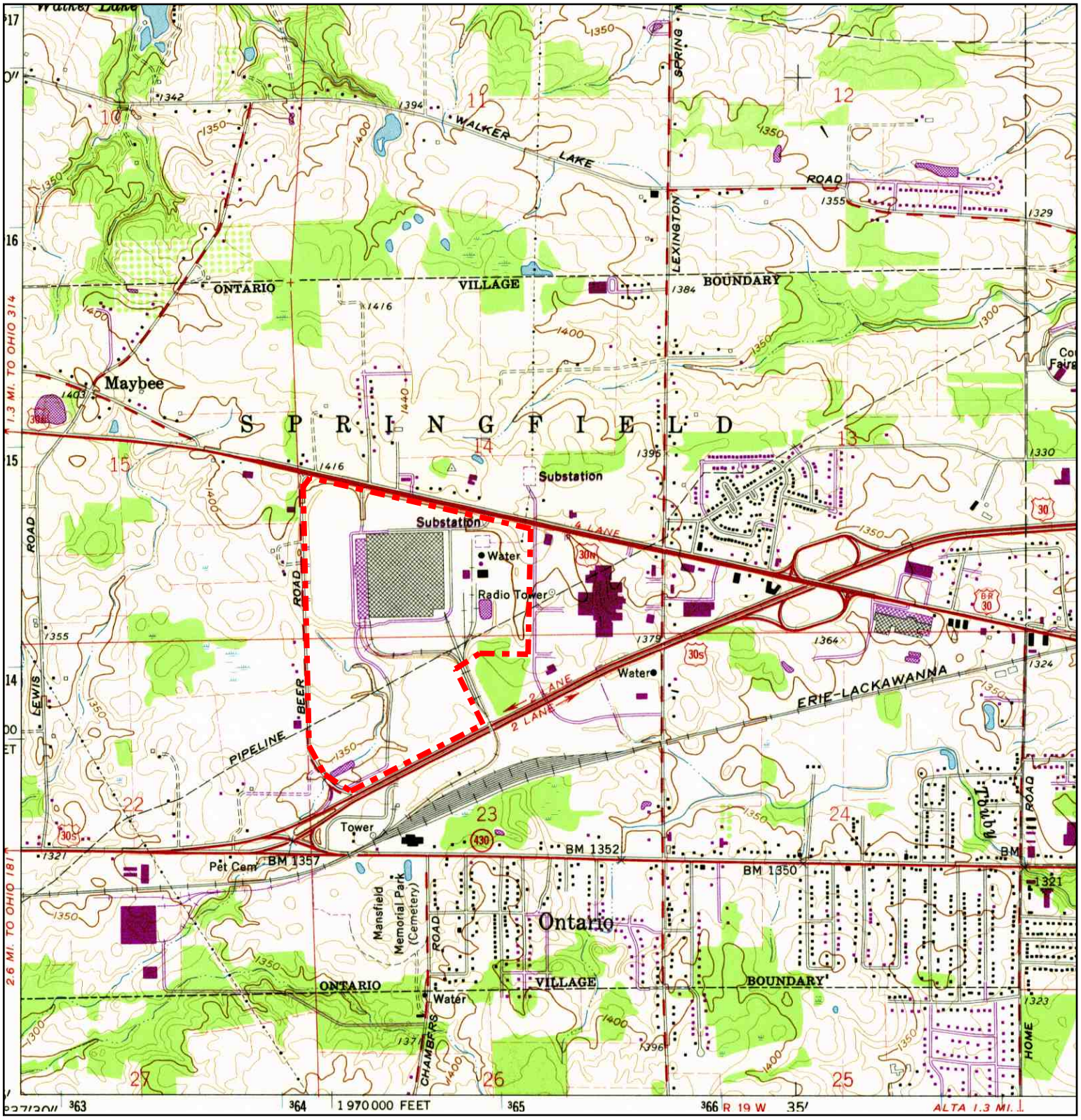

| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: CRESTLINE<br>MAP YEAR: 1915<br><br>SERIES: 15<br>SCALE: 1:62500 | SITE NAME: Mansfield Stamping Plant<br><br>ADDRESS: 2525 W 4th Street<br>Mansfield, OH 44906<br>LAT/LONG: 40.7699 / -82.6042 | CLIENT: Tetra Tech EM, Inc.<br>CONTACT: Vicky Farmer<br>INQUIRY#: 2959580.4<br>RESEARCH DATE: 01/05/2011 |

# Historical Topographic Map



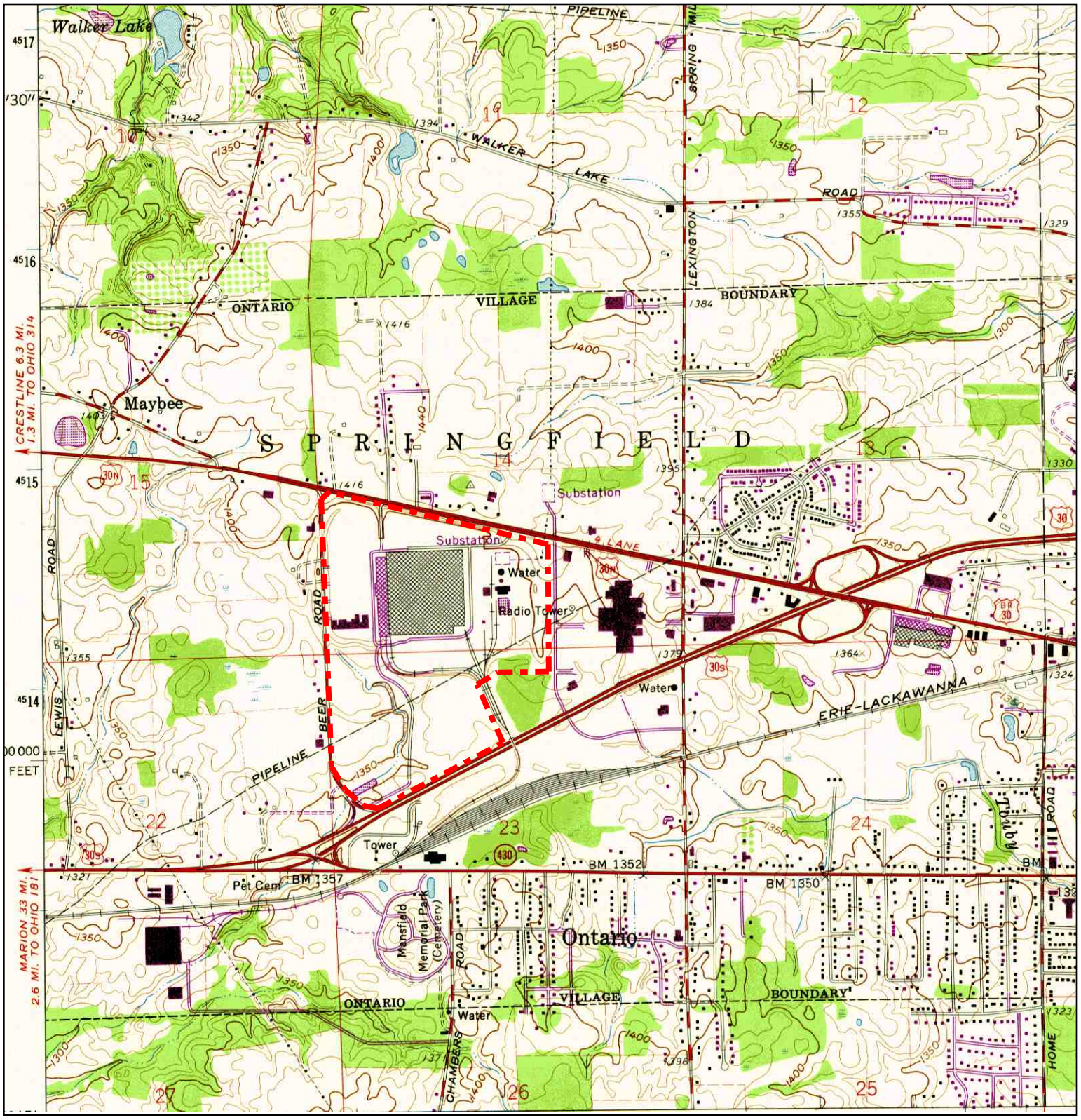

| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: MANSFIELD NORTH<br>MAP YEAR: 1960<br><br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Mansfield Stamping Plant<br><br>ADDRESS: 2525 W 4th Street<br>Mansfield, OH 44906<br>LAT/LONG: 40.7699 / -82.6042 | CLIENT: Tetra Tech EM, Inc.<br>CONTACT: Vicky Farmer<br>INQUIRY#: 2959580.4<br>RESEARCH DATE: 01/05/2011 |

# Historical Topographic Map



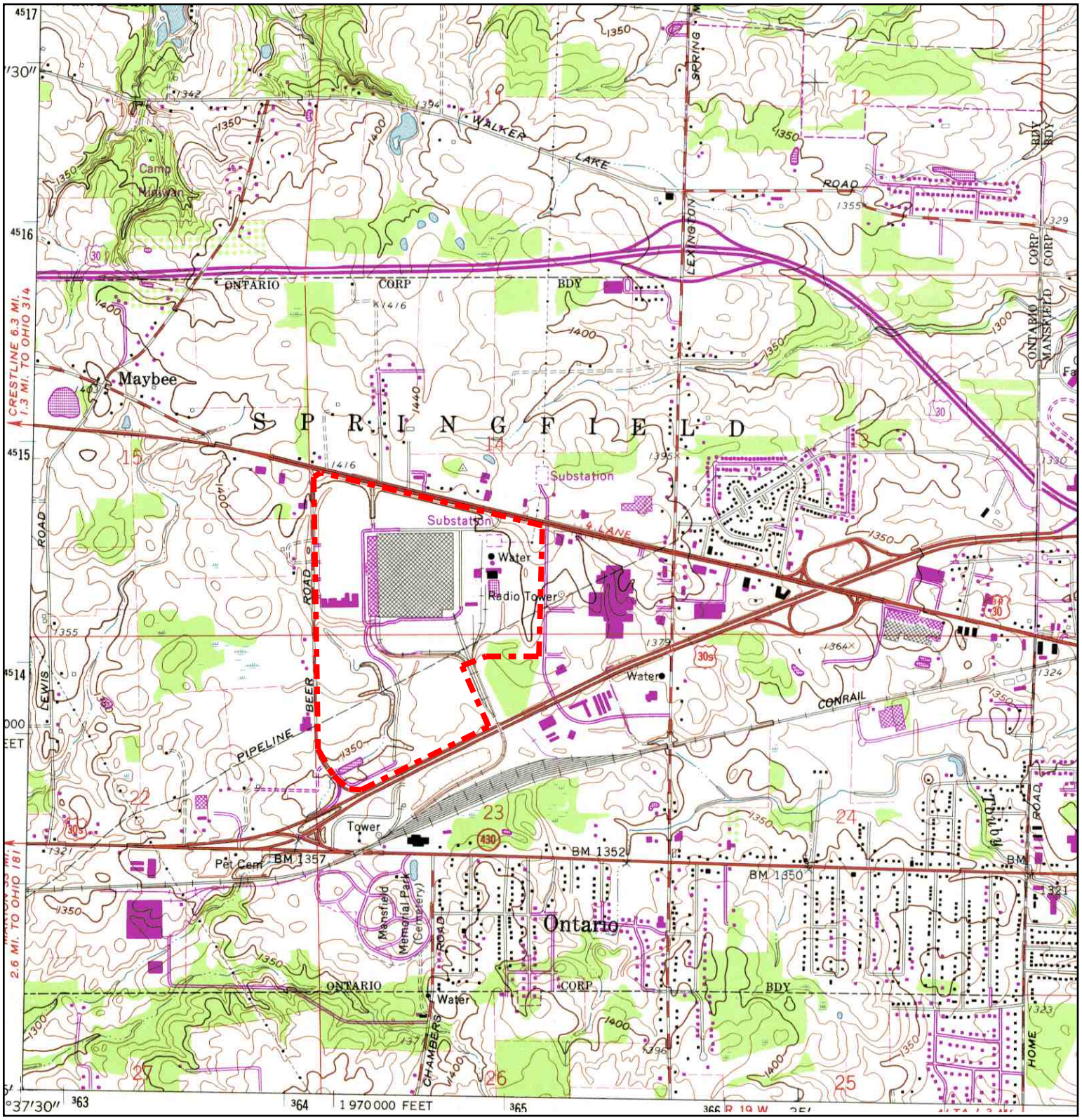

| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: MANSFIELD NORTH<br>MAP YEAR: 1972<br>PHOTOREVISED:1960<br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Mansfield Stamping Plant<br><br>ADDRESS: 2525 W 4th Street<br>Mansfield, OH 44906<br>LAT/LONG: 40.7699 / -82.6042 | CLIENT: Tetra Tech EM, Inc.<br>CONTACT: Vicky Farmer<br>INQUIRY#: 2959580.4<br>RESEARCH DATE: 01/05/2011 |

# Historical Topographic Map




| N | TARGET QUAD | | SITE NAME: | Mansfield Stamping Plant | CLIENT: | Tetra Tech EM, Inc. |
|---|---|---|---|---|---|---|
| | NAME: | MANSFIELD NORTH | | | CONTACT: | Vicky Farmer |
| | MAP YEAR: | 1974 | ADDRESS: | 2525 W 4th Street | INQUIRY#: | 2959580.4 |
| | PHOTOREVISED: | 1960 | | Mansfield, OH 44906 | RESEARCH DATE: | 01/05/2011 |
| | SERIES: | 7.5 | LAT/LONG: | 40.7699 / -82.6042 | | |
| | SCALE: | 1:24000 | | | | |

# Historical Topographic Map




| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: MANSFIELD NORTH<br>MAP YEAR: 1982<br>PHOTOREVISED:1960<br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Mansfield Stamping Plant<br><br>ADDRESS: 2525 W 4th Street<br>Mansfield, OH 44906<br>LAT/LONG: 40.7699 / -82.6042 | CLIENT: Tetra Tech EM, Inc.<br>CONTACT: Vicky Farmer<br>INQUIRY#: 2959580.4<br>RESEARCH DATE: 01/05/2011 |

USGS science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

The National Map US Topo

# MANSFIELD NORTH QUADRANGLE
OHIO
7.5-MINUTE SERIES




Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 17T
10 000-foot ticks: Ohio Coordinate System of 1983
(north zone)

Imagery.....NAIP, September 2004
Roads.....©2006-2010 Tele Atlas
Names.....GNIS, 2008
Hydrography.....National Hydrography Dataset, 2004
Contours.....National Elevation Dataset, 2004

MN
7° 16'
129 MILS
GN
1° 1'
18 MILS

UTM GRID AND 2010 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

| U.S. National Grid |
|---|
| 100,000-m Square ID |
| LF |
| Grid Zone Designation |
| 17T |

## SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with version 0.5.10 of the
draft USGS Standards for 7.5-Minute Quadrangle Maps.
A metadata file associated with this product is draft version 0.5.11

OHIO

QUADRANGLE LOCATION

| | | |
|---|---|---|
| Shelby | Shiloh | Olivesburg |
| Crestline | Mansfield North | Pavonia |
| Blooming Grove | Mansfield South | Lucas |

ADJOINING 7.5' QUADRANGLES

ROAD CLASSIFICATION

| | |
|---|---|
| Interstate Route | State Route |
| US Route | Local Road |
| Ramp | 4WD |

Interstate Route US Route State Route

MANSFIELD NORTH, OH
2010

# Appendix B

# Chain of Title Documentation

## Profile

| | | | |
|---|---|---|---|
| Parcel: | 0386015202000 | Land Use Code: | 300 |
| Alternate ID: | | LUC Description: | I - INDUSTRIAL, VACANT LAND |
| Address: | STUMBO RD | Municipality: | ONTARIO CORP |
| Owner Details: | GEN MTRS CORP FISHER BODY<br>% RESIDENT COMPTROLLER | NBHD: | 03860C01 |
| | | Tax District: | |
| | | Zoning: | |
| Mailing Address: | PO BOX 9024 | Land Acres: | 6.7430 |
| | | Topography: | LEVEL |
| | DETROIT MI 48202 9998 | Utilities: | 1 |
| Description: | ONTARIO VILLAGE<br>NE A 6.743 LT 1 PT<br>6.743 ACRES | | |

## Value Summary

| | | | | | |
|---|---|---|---|---|---|
| Appraised Land: | 16900 | Prior Land: | 16900 | Assessed Land: | 5920 |
| Appraised Building: | 0 | Prior Building: | 0 | Assessed Building: | 0 |
| Appraised Total: | 16860 | Prior Total: | 16860 | Assessed Total: | 5920 |

## Primary Residential Card

| | | |
|---|---|---|
| Card: | Basement: | Fireplace Pref.: |
| Stories: | Square Feet: | Fireplace OP/ST: / |
| Use: | HT/AC: | Basement Gar.: |
| Type: | Fuel: | Grade: |
| Year Built: | System: | Cond (CDU): |
| Year Remodeled: | Attic: | Percent Complete: |
| Total Rooms: | Finished Basement: | Family Room: |
| Bedrooms: | Recreation Room: | Ext. Material: |
| Full Bath: | Half Bath: | |

## Commercial Card

| | |
|---|---|
| Year Built: | Stories: |
| Eff. Yr. Built: | Gross Flr. Area: |
| Units: | Grade: |

## Land

| Classification | Eff. Front | Eff. Depth | Type | Acres |
|---|---|---|---|---|
| | | | A ACREAGE | |

## Agriculture

| Classification | Sub Class | Acres |
|---|---|---|

## OBY

| Card | Description | Year Built | Grade |
|---|---|---|---|

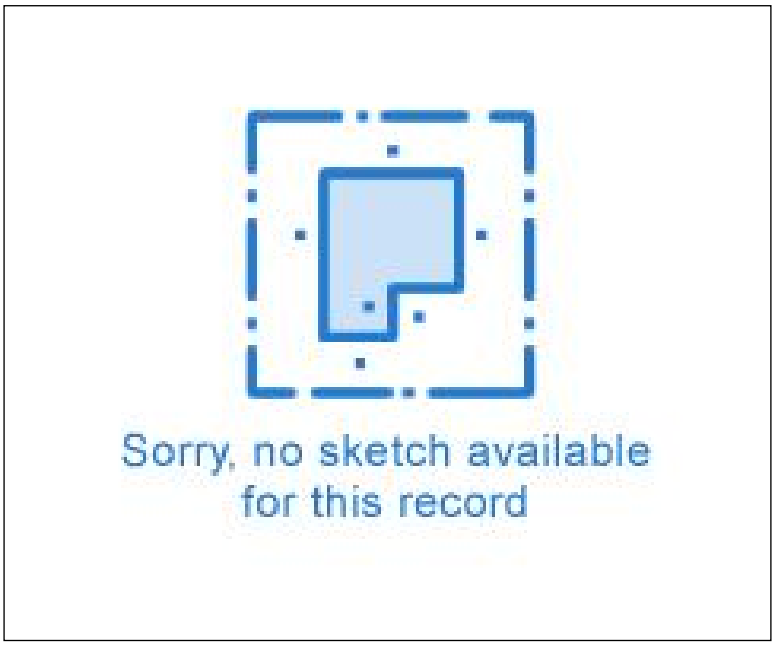
## Sales History

| Date | Book-Page | Grantor | Sale Description | Parcels | Amount |
|---|---|---|---|---|---|

## Photo




## Sketch



## Profile

| | | | |
|---|---|---|---|
| Parcel: | 0386015205000 | Land Use Code: | 300 |
| Alternate ID: | | LUC Description: | I - INDUSTRIAL, VACANT LAND |
| Address: | BEER RD | Municipality: | ONTARIO CORP |
| Owner Details: | GEN MTRS CORP FISHER BODY<br>% RESIDENT COMPTROLLER | NBHD: | 03860C01 |
| | | Tax District: | |
| | | Zoning: | |
| Mailing Address: | PO BOX 9024 | Land Acres: | 72.54 |
| | | Topography: | LEVEL |
| | DETROIT MI 48202 9998 | Utilities: | 1 |
| Description: | ONTARIO VILLAGE<br>NW A 72.54 LT 2 PT<br>72.54 ACRES | | |

## Value Summary

| | | | | | |
|---|---|---|---|---|---|
| Appraised Land: | 181400 | Prior Land: | 181400 | Assessed Land: | 63490 |
| Appraised Building: | 0 | Prior Building: | 0 | Assessed Building: | 0 |
| Appraised Total: | 181350 | Prior Total: | 181350 | Assessed Total: | 63490 |

## Primary Residential Card

| | | |
|---|---|---|
| Card: | Basement: | Fireplace Pref.: |
| Stories: | Square Feet: | Fireplace OP/ST: / |
| Use: | HT/AC: | Basement Gar.: |
| Type: | Fuel: | Grade: |
| Year Built: | System: | Cond (CDU): |
| Year Remodeled: | Attic: | Percent Complete: |
| Total Rooms: | Finished Basement: | Family Room: |
| Bedrooms: | Recreation Room: | Ext. Material: |
| Full Bath: | Half Bath: | |

## Commercial Card

| | |
|---|---|
| Year Built: | Stories: |
| Eff. Yr. Built: | Gross Flr. Area: |
| Units: | Grade: |

## Land

| Classification | Eff. Front | Eff. Depth | Type | Acres |
|---|---|---|---|---|
| | | | A ACREAGE | |

## Agriculture

| Classification | Sub Class | Acres |
|---|---|---|

## OBY

| Card | Description | Year Built | Grade |
|---|---|---|---|

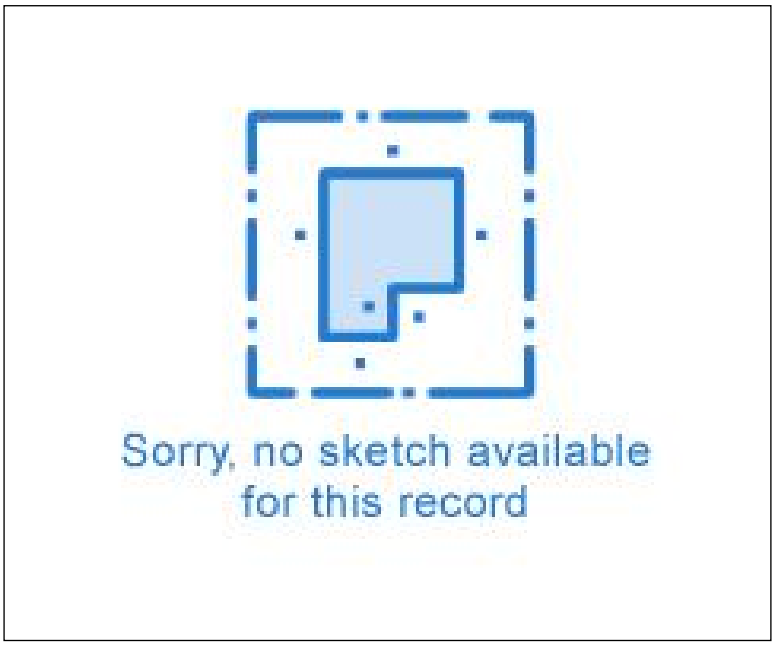
## Sales History

| Date | Book-Page | Grantor | Sale | Description | Parcels | Amount |
|---|---|---|---|---|---|---|

## Photo




## Sketch



## Profile

| | | | |
|---|---|---|---|
| Parcel: | 0386015204000 | Land Use Code: | 300 |
| Alternate ID: | | LUC Description: | I - INDUSTRIAL, VACANT LAND |
| Address: | BEER RD | Municipality: | ONTARIO CORP |
| Owner Details: | GEN MTRS CORP FISHER BODY<br>% RESIDENT COMPTROLLER | NBHD: | 03860C01 |
| | | Tax District: | |
| | | Zoning: | |
| Mailing Address: | PO BOX 9024 | Land Acres: | 30.37 |
| | | Topography: | LEVEL |
| | DETROIT MI 48202 9998 | Utilities: | 1 |
| Description: | ONTARIO VILLAGE<br>NW A 30.369 LT 3 13 PT<br>30.369 ACRES | | |

## Value Summary

| | | | | | |
|---|---|---|---|---|---|
| Appraised Land: | 75900 | Prior Land: | 75900 | Assessed Land: | 26570 |
| Appraised Building: | 0 | Prior Building: | 0 | Assessed Building: | 0 |
| Appraised Total: | 75930 | Prior Total: | 75930 | Assessed Total: | 26570 |

## Primary Residential Card

| | | |
|---|---|---|
| Card: | Basement: | Fireplace Pref.: |
| Stories: | Square Feet: | Fireplace OP/ST: / |
| Use: | HT/AC: | Basement Gar.: |
| Type: | Fuel: | Grade: |
| Year Built: | System: | Cond (CDU): |
| Year Remodeled: | Attic: | Percent Complete: |
| Total Rooms: | Finished Basement: | Family Room: |
| Bedrooms: | Recreation Room: | Ext. Material: |
| Full Bath: | Half Bath: | |

## Commercial Card

| | |
|---|---|
| Year Built: | Stories: |
| Eff. Yr. Built: | Gross Flr. Area: |
| Units: | Grade: |

## Land

| Classification | Eff. Front | Eff. Depth | Type | Acres |
|---|---|---|---|---|
| | | | A ACREAGE | |

## Agriculture

| Classification | Sub Class | Acres |
|---|---|---|

## OBY

| Card | Description | Year Built | Grade |
|---|---|---|---|

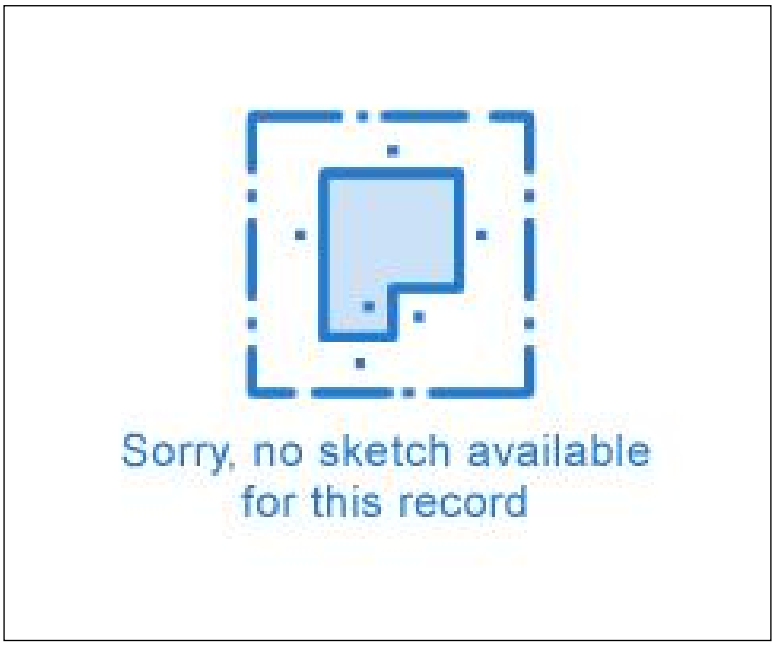
## Sales History

| Date | Book-Page | Grantor | Sale | Description | Parcels | Amount |
|---|---|---|---|---|---|---|

## Photo




## Sketch



## Profile

| | | | |
|---|---|---|---|
| Parcel: | 0386015203000 | Land Use Code: | 300 |
| Alternate ID: | | LUC Description: | I - INDUSTRIAL, VACANT LAND |
| Address: | STATE ROUTE 30 | Municipality: | ONTARIO CORP |
| Owner Details: | GEN MTRS CORP FISHER BODY<br>% RESIDENT COMPTROLLER | NBHD: | 03860C01 |
| | | Tax District: | |
| | | Zoning: | |
| Mailing Address: | PO BOX 9024 | Land Acres: | 27.76 |
| | | Topography: | LEVEL |
| | DETROIT MI 48202 9998 | Utilities: | 1 |
| Description: | ONTARIO VILLAGE<br>SE A 27.761 LT 12 PT<br>27.761 ACRES SUBJ HWY EASE | | |

## Value Summary

| | | | | | |
|---|---|---|---|---|---|
| Appraised Land: | 69400 | Prior Land: | 69400 | Assessed Land: | 24290 |
| Appraised Building: | 0 | Prior Building: | 0 | Assessed Building: | 0 |
| Appraised Total: | 69400 | Prior Total: | 69400 | Assessed Total: | 24290 |

## Primary Residential Card

| | | |
|---|---|---|
| Card: | Basement: | Fireplace Pref.: |
| Stories: | Square Feet: | Fireplace OP/ST: / |
| Use: | HT/AC: | Basement Gar.: |
| Type: | Fuel: | Grade: |
| Year Built: | System: | Cond (CDU): |
| Year Remodeled: | Attic: | Percent Complete: |
| Total Rooms: | Finished Basement: | Family Room: |
| Bedrooms: | Recreation Room: | Ext. Material: |
| Full Bath: | Half Bath: | |

## Commercial Card

| | |
|---|---|
| Year Built: | Stories: |
| Eff. Yr. Built: | Gross Flr. Area: |
| Units: | Grade: |

## Land

| Classification | Eff. Front | Eff. Depth | Type | Acres |
|---|---|---|---|---|
| | | | A ACREAGE | |

## Agriculture

| Classification | Sub Class | Acres |
|---|---|---|

## OBY

| Card | Description | Year Built | Grade |
|---|---|---|---|

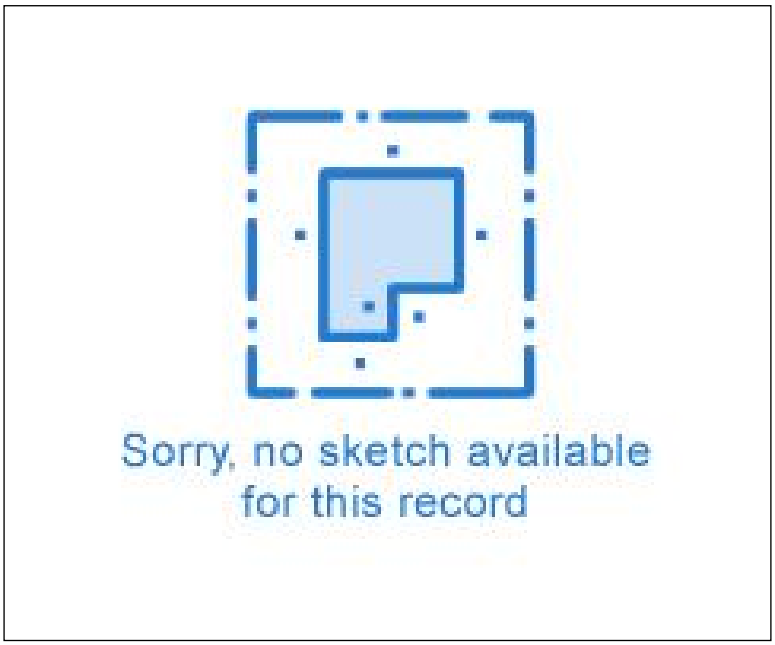
## Sales History

| Date | Book-Page | Grantor | Sale Description | Parcels | Amount |
|---|---|---|---|---|---|

## Photo




## Sketch



## Profile

| | | | |
|---|---|---|---|
| Parcel: | 0386015206000 | Land Use Code: | 320 |
| Alternate ID: | | LUC Description: | I - FOUNDERIES&HEAVY MANUFACT PLANTS |
| Address: | 2525 W FOURTH ST | Municipality: | ONTARIO CORP |
| Owner Details: | GEN MTRS CORP FISHER BODY<br>% RESIDENT COMPTROLLER | NBHD: | 03860C01 |
| | | Tax District: | |
| Mailing Address: | PO BOX 9024 | Zoning: | |
| | | Land Acres: | 129.08 |
| | DETROIT MI 48202 9998 | Topography: | LEVEL |
| | | Utilities: | 1 |
| Description: | ONTARIO VILLAGE<br>SW A 129.077 LT 9 10 11 PT<br>129.077 AC 2.52 A S H E | | |

## Value Summary

| | | | | | |
|---|---|---|---|---|---|
| Appraised Land: | 2065280 | Prior Land: | 2065280 | Assessed Land: | 722850 |
| Appraised Building: | 12591120 | Prior Building: | 12591120 | Assessed Building: | 4406890 |
| Appraised Total: | 25926000 | Prior Total: | 25926000 | Assessed Total: | 5129740 |

## Primary Residential Card

| | | | |
|---|---|---|---|
| Card: | Basement: | Fireplace Pref.: | |
| Stories: | Square Feet: | Fireplace OP/ST: | / |
| Use: | HT/AC: | Basement Gar.: | |
| Type: | Fuel: | Grade: | |
| Year Built: | System: | Cond (CDU): | |
| Year Remodeled: | Attic: | Percent Complete: | |
| Total Rooms: | Finished Basement: | Family Room: | |
| Bedrooms: | Recreation Room: | Ext. Material: | |
| Full Bath: | Half Bath: | | |

## Commercial Card

| | | | |
|---|---|---|---|
| Year Built: | Stories: | | |
| Eff. Yr. Built: | Gross Flr. Area: | | |
| Units: | Grade: | | |

## Land

| Classification | Eff. Front | Eff. Depth | Type | Acres |
|---|---|---|---|---|
| | | | A ACREAGE | |

## Agriculture

| Classification | Sub Class | Acres |
|---|---|---|

## OBY

| Card | Description | Year Built | Grade |
|---|---|---|---|

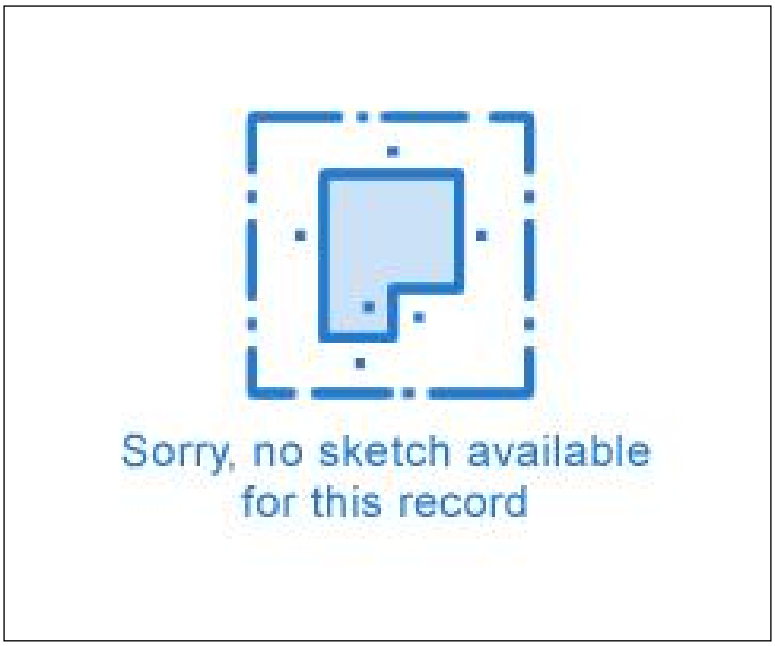
## Sales History

| Date | Book-Page | Grantor | Sale | Description | Parcels | Amount |
|---|---|---|---|---|---|---|

## Photo




## Sketch



**Site Name:** Mansfield Stamping Plant

Inquiry Number: 2959580.7
01/13/2011

# The EDR Environmental LienSearch™ Report




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

# EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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# EDR Environmental LienSearch™ Report

**TARGET PROPERTY INFORMATION**

**ADDRESS**

MANSFIELD STAMPING PLANT
2525 W 4TH ST
MANSFIELD, OH 44906-1208

**RESEARCH SOURCE**

Source 1: Richland County

**PROPERTY INFORMATION**

**Deed 1:**

| | |
|---|---|
| Type of Deed: | Ohio Warranty Deed |
| Title is vested in: | General Motors Corporation, a Delaware Corp. |
| Deed Dated: | 07/08/1955 |
| Deed Recorded: | 07/11/1955 |
| Book: | 403 |
| Page: | 536 |
| **Legal Description:** | SITUATED IN THE TOWNSHIP OF SPRINGFIELD, COUNTY OF RICHLAND, STATE OF OHIO, AND BEING MORE FULLY DESCRIBED IN VOLUME 403, PAGE 536 OF THE DEED RECORDS OF RICHLAND COUNTY, OHIO. |
| **Legal Current Owner:** | General Motors Corporation, a Delaware Corp. |
| **Property Identifiers:** | 0386015202000 |

**Deed 2:**

| | |
|---|---|
| Type of Deed: | Ohio Warranty Deed |
| Title is vested in: | General Motors Corporation, a Delaware Corp. |
| Deed Dated: | 07/08/1955 |
| Deed Recorded: | 07/11/1955 |
| Book: | 403 |
| Page: | 539 |
| **Legal Description:** | SITUATED IN THE TOWNSHIP OF SPRINGFIELD, COUNTY OF RICHLAND, STATE OF OHIO, AND BEING MORE FULLY DESCRIBED IN VOLUME 403, PAGE 539 OF THE DEED RECORDS OF RICHLAND COUNTY, OHIO. |
| **Legal Current Owner:** | General Motors Corporation, a Delaware Corp. |
| **Property Identifiers:** | 0386015203000<br>0386015202000<br>0386015206000 |

# EDR Environmental LienSearch™ Report

**Deed 3:**

| | |
|---|---|
| Type of Deed: | Quitclaim Deed |
| Title is vested in: | General Motors Corporation, a Delaware Corp. |
| Deed Dated: | 07/08/1955 |
| Deed Recorded: | 07/11/1955 |
| Book: | 403 |
| Page: | 555 |

**Legal Description:** KNOWN AS THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 23, TOWNSHIP 21, RANGE 19, AND BEING MORE FULLY DESCRIBED IN VOLUME 403, PAGE 555 OF THE DEED RECORDS OF RICHLAND COUNTY, OHIO.

**Legal Current Owner:** General Motors Corporation, a Delaware Corp.

**Property Identifiers:** 0386015204000
0386015205000

**Deed 4:**

| | |
|---|---|
| Type of Deed: | Ohio Warranty Deed |
| Title is vested in: | General Motors Corporation, a Delaware Corp. |
| Deed Dated: | 07/08/1955 |
| Deed Recorded: | 07/11/1955 |
| Book: | 403 |
| Page: | 557 |

**Legal Description:** SITUATED IN THE TOWNSHIP OF SPRINGFIELD, COUNTY OF RICHLAND, STATE OF OHIO, AND BEING MORE FULLY DESCRIBED IN VOLUME 403, PAGE 557 OF THE DEED RECORDS OF RICHLAND COUNTY, OHIO.

**Legal Current Owner:** General Motors Corporation, a Delaware Corp.

**Property Identifiers:** 0386015204000
0386015205000

**Deed 5:**

| | |
|---|---|
| Type of Deed: | Warranty Deed |
| Title is vested in: | General Motors Corporation, a Delaware Corp. |
| Deed Dated: | 08/14/1957 |
| Deed Recorded: | 08/16/1957 |
| Book: | 442 |
| Page: | 439 |

**Legal Description:** ALL THAT PARCEL OF LAND LOCTED IN THE TOWNSHIP OF SPRINGFIELD, COUNTY OF RICHLAND, STATE OF OHIO, AND BEING MORE FULLY DESCRIBED IN VOLUME 442, PAGE 439 OF THE DEED RECORDS OF RICHLAND COUNTY, TEXAS.

**Legal Current Owner:** General Motors Corporation, a Delaware Corp.

**Property Identifiers:** 0386015204000

# EDR Environmental LienSearch™ Report

**ENVIRONMENTAL LIEN**

Environmental Lien: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

**OTHER ACTIVITY AND USE LIMITATIONS (AULs)**

Other AUL's: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

VOL 403 PAGE 536

OHIO WARRANTY DEED No. 31. #71758 The W. H. Anderson Company, Publishers, Cincinnati, Ohio.

# Know All Men by These Presents:

That Albert H. Beer and Florence E. Beer, husband and wife

*in consideration of* One Hundred Dollars and other valuable consideration

to them *paid by* General Motors Corporation, a Delaware corporation duly authorized to do business in the State of Ohio, having a principal office at 3044 West Grand Boulevard, Detroit 2, Michigan

~~whose mailing address is~~

*the receipt whereof is hereby acknowledged, do hereby Grant, Bargain, Sell and Convey to the said* General Motors Corporation, a Delaware corporation duly authorized to do business in the State of Ohio, having a principal office at 3044 West Grand Boulevard, Detroit 2, Michigan, its successors

~~his~~ *and assigns forever,*

*the following described Real Estate,*

Situated in the Township of Springfield, County of Richland, State of Ohio and known as part of the Southwest Quarter of Section 14, Township 21, Range 19 and described as follows: Beginning on the south line of said Quarter Section at a point 250.5 feet west from the southeast corner thereof; thence north, parallel with the east line of said Quarter Section, 1896 feet to the old center line of Mansfield-Crestline Road (U.S. 30N); thence northwesterly, along said center line, to the west line of said Quarter Section; thence south to the southwest corner of said Quarter Section; thence east to the place of beginning, containing 122.9 acres, more or less, but subject to all legal highways.

Transferred: July 8, 1955 MLH;bp
Received: July 8, 1955 at 3:52 PM
Recorded: July 11, 1955
Recorder's fee $2.10 D. D. Orewiler
Recorder

and all the Estate, Title and Interest of the said grantors

either in Law or Equity, of, in and to the said premises; Together with all the privileges and appurtenances to the same belonging, and all the rents, issues and profits thereof; To have and to hold the same to the only proper use of the said grantee

its successors
~~xhxirx~~ and assigns forever.

And the said grantors

for themselves and their heirs, executors and administrators, do hereby Covenant with the said grantee, its successors

~~xhxirx~~ and assigns, that they are the true and lawful owners of the said premises, and have full power to convey the same; and that the title so conveyed is Clear, Free and Unincumbered; And further, That they do Warrant and Will Defend the same against all claim or claims, of all persons whomsoever; except taxes and assessments for the first half of the year 1955 (known as the December, 1955 installment) and thereafter; except easements to Logan Natural Gas and Fuel Company and recorded at Lease Volume 4, Pages 391 and 392; except easement to The Marion Reserve Power Company and recorded at Deed Volume 240, Page 123; ~~except easements to Logan Natural Gas and recorded at Deed Volume 403, Page 328~~

VOL 403 PAGE 539

OHIO WARRANTY DEED No. 31. #71759 The W. H. Anderson Company, Publishers, Cincinnati, Ohio.

# Know All Men by These Presents:

That

Tamson M. Craig, unmarried
Hazel M. Craig, unmarried
Ruth F. Craig, unmarried
Edna F. Craig, unmarried

*in consideration of* One Hundred Dollars and other valuable consideration

*to* them *paid by* General Motors Corporation, a Delaware corporation duly authorized to do business in the State of Ohio, having a principal office at 3044 West Grand Boulevard, Detroit 2, Michigan

~~whose address is~~

*the receipt whereof is hereby acknowledged, do hereby Grant, Bargain, Sell and Convey to the said* General Motors Corporation, a Delaware corporation duly authorized to do business in the State of Ohio, having a principal office at 3044 West Grand Boulevard, Detroit 2, Michigan, its successors

~~heirs~~ *and assigns forever,*

*the following described Real Estate,*

Situated in the Township of Springfield, County of Richland, State of Ohio:

Parcel 1.

Being part of the Southeast Quarter of Section 14, Township 21, Range 19 and described as follows: Beginning at the southwest corner of said Quarter Section; thence east, along the south line of said Quarter Section, 47.92 rods; thence north, parallel with the west line of said Quarter Section, to the north line thereof; thence west 47.92 rods to the northwest corner of said Quarter Section; thence south to the place of beginning, containing 47 acres, more or less, but subject to all legal highways. Excepting therefrom that portion lying north of the old center line of Mansfield-Crestline Road (U.S. 30N).

Parcel 2.

Being part of the Southwest Quarter of Section 14, Township 21, Range 19 and described as follows: Beginning at the southeast corner of said Quarter Section; thence west, along the south line of said Quarter Section, 14.3 rods; thence north, parallel with the east line of said Quarter Section, 113.36 rods to the southerly line of old Mansfield-Crestline Road (U.S. 30N); thence easterly, along said southerly line, 14.61 rods to the east line of said Quarter Section; thence south 110.36 rods to the place of beginning, containing 10 acres, more or less, but subject to all legal highways.

Parcel 3.

Being part of the Northeast Quarter of Section 23, Township 21, Range 19 and described as follows: Beginning at the northwest corner of said Quarter; thence south, along the west line of said Quarter, 25 rods; thence east, parallel with the north line of said Quarter, 47.5 rods; thence north, parallel with the west line of said Quarter, 25 rods; thence west, along the north line of said Quarter, 47.5 rods to the place of beginning, containing 7.5 acres, more or less, but subject to all legal highways.

VOL 403 PAGE 540

Transferred: July 8, 1955 NLW; bp.
Received: July 8, 1955 at 3:53 PM
Recorded: July 11, 1955
Recorder's fee $ 2.10 D. D. Orewiler
Recorder

and all the Estate, Title and Interest of the said grantors

either in Law or Equity, of, in and to the said premises; Together with all the privileges and appurtenances to the same belonging, and all the rents, issues and profits thereof; To have and to hold the same to the only proper use of the said grantee

its successors
~~heirs~~ and assigns forever.

And the said grantors

for themselves and their heirs, executors and administrators, do hereby Covenant with the said grantee

its successors
~~heirs~~ and assigns,

that they are the true and lawful owners of the said premises, and have full power to convey the same; and that the title so conveyed is Clear, Free and Unincumbered; And further, That they do Warrant and Will Defend the same against all claim or claims, of all persons whomsoever; ~~except taxes and assessments~~ except taxes and assessments for the first half of the year 1955 (known as the December, 1955 installment) and thereafter; except easement to The Ohio Public Service Company recorded at Deed Volume 215, Page 306; except easement to The Marion Reserve Power Company recorded at Deed Volume 240, Page 88; except easement to Sinclair Refining Company recorded at Deed Volume 286, Page 55; except easements to Ohio Edison Company recorded at Deed Volume 344, Page 160 and Deed Volume 352, Page 25.

VOL 403 PAGE 541

at Deed Volume 344, Page 160 and Deed Volume 352, Page 25.

VOL. 403 PAGE 541

**In Witness Whereof,** *The said* grantors

*who hereby release all* their *right and expectancy of Dower in the said premises, ha ve hereunto set* their *hands* this 8th *day of* July *in the year of our Lord one thousand nine hundred* fifty-five.

*Signed and acknowledged in presence of—*

Thomas J. McDermott
Bernice Neal

Tamson M. Craig
Tamson M. Craig

Hazel M. Craig
Hazel M. Craig

Ruth F. Craig
Ruth F. Craig

Edna F. Craig
Edna F. Craig

**State of** Ohio **County of** Richland **ss.**

*Be it Remembered, That on the* 8th *day of* July *in the year of our Lord one thousand nine hundred* fifty-five *before me, the subscriber, a* notary public *in and for said county, personally came*

Tamson M. Craig, Hazel M. Craig, Ruth F. Craig, and Edna F. Craig

*the grantor s in the foregoing Deed, and acknowledged the signing thereof to be* their *voluntary act and deed.*

**In Testimony Whereof,** *I have hereunto subscribed my name and affixed my* official *seal on the day and year last aforesaid.*

Thomas J. McDermott
Notary public

(1) Include reference to volume and page of next preceding recorded instrument by or through which grantor claims title. (R.C. § 313.29)

VOL 403 PAGE 555

QUITCLAIM DEED

# Know all Men by these Presents

That,

Jack Matuck and Goldie Matuck, his wife

, the Grantor(s),

for the consideration of One Dollar and other valuable considerations paid by General Motors Corporation, a Delaware corporation duly authorized to do business in the State of Ohio, having a principal office at 3044 West Grand Boulevard, Detroit 2, Michigan , the Grantee(s), the receipt of which is hereby acknowleged, do(es) GIVE, GRANT, REMISE, RELEASE and FOREVER QUITCLAIM unto the said Grantee(s), its/successors heirs and assigns, the following described premises, situated in the Township of Springfield , County of Richland and State of Ohio.

Known as the north half of the Northwest Quarter of Section 23, Township 21, Range 19, containing 80 acres, more or less, but subject to all legal highways.

The intention of this deed is to release all of our right, title and interest that we hold as lessees of Lee Gages, Jessie Ruth Harland, Vivian Gages, Eleanor Gages Rinehart, Vera Gages Light (also known as Vera Gages), Margaret Gages Bogantz (also known as Margaret Gages) and Paul Gages, Jr.

VOL 403 PAGE 556

TO HAVE AND TO HOLD the said premises, with appurtenances thereto, unto the said Grantee(s), its/~~successors~~ ~~heirs~~ and assigns forever, so that neither the said Grantor(s) nor their heirs, nor any other person claiming title through or under them, shall or will hereafter claim or demand any right to title to said premises, or any part thereof; but they and every one of them shall, by these presents, be excluded and forever barred.

In Witness Whereof, this deed is executed by the said Grantor(s), this day of July, in the year of our Lord one thousand nine hundred and fifty-five.

Signed and acknowledged in presence of

Wanna Crawford
Edwina L. Matuck

Jack Matuck
Jack Matuck

Goldie Matuck
Goldie Matuck

STATE OF OHIO, Richland County, ss. } Before me, a Notary Public in and for said County, personally appeared the above named Jack Matuck and Goldie Matuck

who acknowledged that they did sign the foregoing instrument, and that the same is their voluntary act and deed.

In testimony whereof, I hereunto set my hand and official seal, at Mansfield, Ohio, this 8th day of July A. D. 1955.

S. Kraus.
Notary Public

STATE OF County, ss. } Before me, a in and for said County, personally appeared the above named

who acknowledged that did sign the foregoing instrument, and that the same is voluntary act and deed.

In testimony whereof, I hereunto set my hand and official seal, at this day of A. D. 19

71779

# Quitclaim Deed

Jack Matuck
Goldie Matuck

TO

General Motors Corporation, etc.

Received for Record July 7 1955 at 9 o'clock A.M.
Recorded July 11 1955 in Richland County Records
Volume 403 Page 555-556
L. J. Crawford County Recorder
Recorder's Fee 1.50

McDermott & Associates
LAWYERS
Walpark Building
MANSFIELD, OHIO

VOL 403 PAGE 557

OHIO WARRANTY DEED No. 21. #71780 The W. H. Anderson Company, Publishers, Cincinnati, Ohio.

# Know All Men by These Presents:

That Lee Gages and Ruth E. Gages, his wife; Jessie Ruth Harland (also known as Jessie Ruth Harlan) and Samuel Harlan, her husband; Vivian Gages, now Vivian Gages Martin, and E. Max Martin, her husband; Eleanor Gages Rinehart and Oliver Rinehart, her husband; Vera Gages Light (also known as Vera Gages) and Kenneth D. Light, her husband; Margaret Gages Bogantz (also known as Margaret Gages) and George Bogantz, her husband; Paul Gages, Jr. and Vivian Gages, his wife; Leone Gages, unmarried; Lee Gages as Executor and Trustee under the will of Paul Gages, deceased

*in consideration of* One Hundred Dollars and other valuable consideration

*to* them *paid by* General Motors Corporation, a Delaware corporation duly authorized to do business in the State of Ohio, having a principal office at 3044 West Grand Boulevard, Detroit 2, Michigan

~~who~~

*the receipt whereof is hereby acknowledged, do hereby Grant, Bargain, Sell and Convey to the said* General Motors Corporation, a Delaware corporation duly authorized to do business in the State of Ohio, having a principal office at 3044 West Grand Boulevard, Detroit 2, Michigan, its successors

~~heirs~~ *and assigns forever,*

*the following described Real Estate,*

Situated in the Township of Springfield, County of Richland, State of Ohio and known as the north half of the Northwest Quarter of Section 23, Township 21, Range 19, containing 80 acres, more or less, but subject to all legal highways.

RECEIVED FOR RECORD
July 9 1955
At 11:02 O'clock A. M
Recorded July 11 1955
IN RICHLAND COUNTY RECORDS
Volume 403 Page 557-558-559
D.D. Crawford
Richland County Recorder

2.10

and all the Estate, Title and Interest of the said grantors

either in Law or Equity, of, in and to the said premises; Together with all the privileges and appurtenances to the same belonging, and all the rents, issues and profits thereof; To have and to hold the same to the only proper use of the said grantee

its successors
~~xxxxx~~ and assigns forever.

And the said grantors

for themselves and their heirs, executors and administrators, do hereby Covenant with the said grantee, its successors

~~heirs~~ and assigns,

that they are the true and lawful owners of the said premises, and have full power to convey the same; and that the title so conveyed is Clear, Free and Unincumbered; And further, That they do Warrant and Will Defend the same against all claim or claims, of all persons whomsoever; except taxes and assessments for the first half of the year 1955 (known as the December, 1955 installment) and thereafter; except easement to Sinclair Refining Company (assigned to Sinclair Pipe Line Company) and recorded at Deed Volume 266, Page 53

VOL 403 PAGE 559

**In Witness Whereof,** *The said* grantors

*who hereby release all their right and expectancy of Dower in the said premises, ha ve hereunto set their hand s this* 8th *day of* July *in the year of our Lord one thousand nine hundred* fifty-five.

*Signed and acknowledged in presence of—*

Bernice Wolf

Bernita Alfabar

Margaret Gages Bogantz

Lee Gages

Leone Gages

Jessie Ruth Harland

Ruth E. Gages

Vivian Gages Martin

E. Max Martin

Samuel Harlan

Eleanor Gages Rinehart

Oliver Rinehart

Vera Gages Light

Kenneth D. Light

George Bogantz

Paul Gages Jr.

Margaret Gages Bogantz

Lee Gages

as Executor and Trustee aforesaid

**State of** Ohio **County of** Richland **SS.**

*Be it Remembered, That on the* 9th *day of* July *in the year of our Lord one thousand nine hundred* fifty-five *before me, the subscriber, a* notary public *in and for said county, personally came* Lee Gages, Ruth E. Gages, Jessie Ruth Harland (also known as Jessie Ruth Harlan), Samuel Harlan, Vivian Gages, now Vivian Gages Martin, E. Max Martin, Eleanor Gages Rinehart, Oliver Rinehart, Vera Gages Light (also known as Vera Gages), Kenneth D. Light, Margaret Gages Bogantz (also known as Margaret Gages), George Bogantz, Paul Gages, Jr., Vivian Gages, Leone Gages, and Lee Gages as Executor and Trustee under the will of Paul Gages, deceased *the grantor s in the foregoing Deed, and acknowledged the signing thereof to be their voluntary act and deed.*

**In Testimony Whereof,** *I have hereunto subscribed my name and affixed my official seal on the day and year last aforesaid.*

Bernice Wolf Bernice Wolf

Notary public

Transferred: .....

Received: .....

Recorded: .....

Recorder's fee $..... D. D. Granville
Recorder

111 Include reference to volume and page of next preceding recorded instrument by or through which grantor claims title. (R.C. §31.28)

Prepared: Aug. 16, 1957 VOL 442 PAGE 439
Norman L. Wolfe, Co. Aud.
10¢ by

#95964

# WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS, That ERIE LAND AND IMPROVEMENT COMPANY OF PENNSYLVANIA, a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, duly authorized to do business in the State of Ohio, and having its principal office at Crawford County Trust Company Building, Meadville, Pennsylvania, GRANTOR, claiming title through Deed in Volume 404, Page 127, Volume 404, Page 129 and in Volume 404, Page 131 Richland County, Ohio, Records, in consideration of the sum of One Hundred Dollars ($100.00) and other good and valuable consideration, to it paid by GENERAL MOTORS CORPORATION, a Delaware corporation, duly authorized to do business in the State of Ohio and having a principal place of business at 3044 West Grand Boulevard, Detroit 2, Michigan, GRANTEE, the receipt whereof is hereby acknowledged, does hereby GRANT, BARGAIN, SELL AND CONVEY to the said GENERAL MOTORS CORPORATION, GRANTEE, its successors and assigns Forever, the following described Real Estate:

All that parcel of land located in the Township of Springfield, County of Richland, State of Ohio, and being a part of the Northwest Quarter of Section 23, Township 21, Range 19, and more particularly described as follows:

BEGINNING at a point on the West line of said Quarter Section, said point being 1330.13 feet, South 1 degree, 50 minutes, 06 seconds East of the Northwest corner of said Quarter Section;

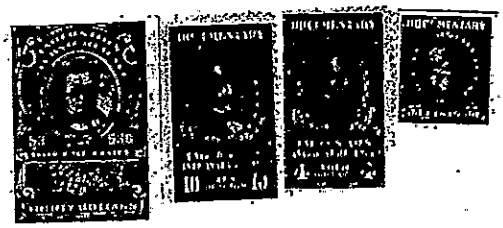
Thence North 89 degrees, 00 minutes, 44 seconds East, 2501.68 feet to the North Right-of-Way line of the Mansfield By-Pass, U.S. Route 30;

Thence South 62 degrees 37 minutes 24 seconds West and along said Right-of-Way line, 2772.35 feet to the West line of Section 23;

Thence North 1 degree, 50 minutes, 06 seconds West along said West line of

NW¼ Sec 23-Twp 21-R19-35.38a

VOL 442 PAGE 441



Revenue Stamps
Affixed $444.95

fifty-seven (1957).

Signed and Acknowledged in the Presence of Us:

ERIE LAND AND IMPROVEMENT COMPANY OF PENNSYLVANIA

ERIE LAND IMPROVEMENT COMPANY OF PENNSYLVANIA

D. Halter

By W. T. Pierson
Vice President

L. E. Baker

Attest: R. H. Hann
Secretary

STATE OF OHIO )
) ss.
COUNTY OF CUYAHOGA )

BE IT REMEMBERED, That on this 14th day of August, in the year of our Lord one thousand nine hundred and fifty-seven (1957), before me, the subscriber, a Notary Public in and for said County and State, personally appeared W. T. PIERSON, Vice President, and R.H.HANN, Secretary, of ERIE LAND AND IMPROVEMENT COMPANY OF PENNSYLVANIA, the corporation whose name is subscribed to and which executed the foregoing instrument, and for themselves and as such officers respectively, and for and on behalf of said corporation, acknowledged the signing and execution of said instrument; and acknowledged that the seal affixed to said instrument is the corporate seal of said corporation, that they affixed such corporate seal to, and otherwise executed, said instrument, by authority of the Board of Directors; and on behalf of said corporation; and that the signing and execution of said instrument is their free and voluntary act and deed, their free act and deed as such officers respectively, and the free and voluntary act and deed of said corporation, for the uses and purposes in said instrument mentioned.

IN TESTIMONY WHEREOF, I have hereunto subscribed

my name and affixed my Notarial Seal, on the day and year last aforesaid.



Notary Public, Cuyahoga County, Ohio.

My Commission Expires : VANSTAN LFF NOTARY PUBLIC My Commission Expires Sept. 2, 19[illegible]

This Instrument Prepared by:
F. D. Halter
Attorney-At-Law
Cleveland, Ohio

95964

RECEIVED FOR RECORD
Aug. 16, 1957
At 10:15A.M. o'clock
Recorded Aug. 19, 1957
IN RICHLAND COUNTY RECORDS
Volume 442, Page 439-440-441-442
D.D. Crawford
Richland County Recorder
2.80

Mail to —
Nancy M Hogan
General Counsel
General Motors Corp
30 E 42nd Street Bldg
Detroit 2 Mich

# Appendix C

# EDR Radius Map Report

**Mansfield Stamping Plant**
2525 W 4th Street
Mansfield, OH 44906

Inquiry Number: 2959580.2s
January 05, 2011

# The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

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

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**GEOCHECK ADDENDUM**

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


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# EXECUTIVE SUMMARY

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

## TARGET PROPERTY INFORMATION

### ADDRESS

2525 W 4TH STREET
MANSFIELD, OH 44906

### COORDINATES

| | |
|---|---|
| Latitude (North): | 40.769900 - 40° 46' 11.6'' |
| Longitude (West): | 82.604200 - 82° 36' 15.1'' |
| Universal Tranverse Mercator: | Zone 17 |
| UTM X (Meters): | 364610.0 |
| UTM Y (Meters): | 4514240.5 |
| Elevation: | 1394 ft. above sea level |

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

| | |
|---|---|
| Target Property Map: | 40082-G5 MANSFIELD NORTH, OH |
| Most Recent Revision: | 1982 |
| West Map: | 40082-G6 CRESTLINE, OH |
| Most Recent Revision: | 1982 |

### AERIAL PHOTOGRAPHY IN THIS REPORT

| | |
|---|---|
| Portions of Photo from: | 2005, 2006 |
| Source: | USDA |

### TARGET PROPERTY SEARCH RESULTS

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

| Site | Database(s) | EPA ID |
|---|---|---|
| CPC GROUP - GM<br>2525 W. FOURTH ST.<br>MANSFIELD, OH | SPILLS | N/A |
| GENERAL MOTORS / CHEVROLET PROD C<br>2525 W. FOURTH ST.<br>MANSFIELD, OH | SPILLS | N/A |
| GENERAL MOTORS MANSFIELD STAMPING<br>2525 W FOURTH ST<br>MANSFIELD, OH 44906 | CORRACTS<br>RCRA-SQG<br>PADS<br>FINDS<br>MANIFEST | OHD004200085 |

| | | |
|---|---|---|
| GENERAL MOTORS<br>2525 W 4TH ST<br>MANSFIELD, OH | SPILLS | N/A |
| GENERAL MOTORS / CLCD MANSFIELD<br>2525 W FOURTH ST<br>MANSFIELD, OH | SPILLS | N/A |
| MANSFIELD FABRICATING PLANT<br>2525 W 4TH ST<br>MANSFIELD, OH 44906 | UST | N/A |
| MANSFIELD FABRICATING PLANT<br>2525 W 4TH ST<br>MANSFIELD, OH 44906 | LUST<br>FR Status: Inactive FR Status: NFA: No Further Action<br>FR Status: Inactive FR Status: NFA: No Further Action<br>Facility Status: Inactive FR Status: NFA: No Further Action<br>Facility Status: Inactive FR Status: NFA: No Further Action | N/A |
| MOTORS LIQUIDATION COMPANY FKA GE<br>2525 WEST FOURTH STREET<br>ONTARIO, OH 44906 | FINDS | N/A |
| MOTORS LIQUIDATION COMPANY FKA G<br>2525 WEST FOURTH STREET<br>ONTARIO, OH 44906 | RCRA-SQG | OHR000156034 |
| 2525 WEST 4TH ST<br>2525 WEST 4TH ST<br>MANSFIELD, OH 44906 | ERNS | N/A |
| G M<br>2525 4TH ST.<br>MANSFIELD, OH | SPILLS | N/A |

**DATABASES WITH NO MAPPED SITES**

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

**STANDARD ENVIRONMENTAL RECORDS**

***Federal NPL site list***

NPL---------- National Priority List

# EXECUTIVE SUMMARY

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

***Federal Delisted NPL site list***

Delisted NPL ---------- National Priority List Deletions

***Federal CERCLIS list***

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ---------- Federal Facility Site Information listing

***Federal CERCLIS NFRAP site List***

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

***Federal RCRA non-CORRACTS TSD facilities list***

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

***Federal RCRA generators list***

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

***Federal institutional controls / engineering controls registries***

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

***State- and tribal - equivalent CERCLIS***

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

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

SWF/LF ---------- Licensed Solid Waste Facilities

***State and tribal leaking storage tank lists***

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

***State and tribal registered storage tank lists***

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

***State and tribal institutional control / engineering control registries***

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

***State and tribal voluntary cleanup sites***

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

# EXECUTIVE SUMMARY

***State and tribal Brownfields sites***

BROWNFIELDS ---------- Ohio Brownfield Inventory

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS ---------- A Listing of Brownfields Sites

***Local Lists of Landfill / Solid Waste Disposal Sites***

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

***Local Lists of Hazardous waste / Contaminated Sites***

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

***Local Lists of Registered Storage Tanks***

ARCHIVE UST ---------- Archived Underground Storage Tank Sites

***Local Land Records***

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

***Records of Emergency Release Reports***

HMIRS ---------- Hazardous Materials Information Reporting System

***Other Ascertainable Records***

RCRA-NonGen ---------- RCRA - Non Generators
DOT OPS ---------- Incident and Accident Data
DOD ---------- Department of Defense Sites
FUDS ---------- Formerly Used Defense Sites
CONSENT ---------- Superfund (CERCLA) Consent Decrees
ROD ---------- Records Of Decision
UMTRA ---------- Uranium Mill Tailings Sites
MINES ---------- Mines Master Index File
TRIS ---------- Toxic Chemical Release Inventory System
TSCA ---------- Toxic Substances Control Act
FTTS ---------- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ---------- FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ---------- Section 7 Tracking Systems

ICIS ---------- Integrated Compliance Information System
MLTS ---------- Material Licensing Tracking System
RADINFO ---------- Radiation Information Database
RAATS ---------- RCRA Administrative Action Tracking System
TOWNGAS ---------- DERR Towngas Database
UIC ---------- Underground Injection Wells Listing
DRYCLEANERS ---------- Drycleaner Facility Listing
NPDES ---------- NPDES General Permit List
AIRS ---------- Title V Permits Listing
HIST USD ---------- Urban Setting Designations Database
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 DOE ---------- Sleam-Electric Plan Operation Data
FINANCIAL ASSURANCE ---------- Financial Assurance Information Listing
CRO ---------- Cessation of Regulated Operations Facility Listing
COAL ASH ---------- Coal Ash Disposal Site 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**

***State- and tribal - equivalent CERCLIS***

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

A review of the DERR list, as provided by EDR, and dated 08/25/2010 has revealed that there is 1 DERR site within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***UNIVERSAL TUBULAR SYSTEMS FORM*** | ***525 BEER RD*** | ***NW 1/4 - 1/2 (0.414 mi.)*** | ***B15*** | ***22*** |
| Activity: VAP | | | | |

# EXECUTIVE SUMMARY

***State and tribal leaking storage tank lists***

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

A review of the LUST list, as provided by EDR, and dated 08/24/2010 has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| VILLAGE POLICE DEPT | 555 STUMBO RD | ENE 1/4 - 1/2 (0.377 mi.) | 12 | 21 |
| FR Status: Inactive FR Status: NFA: No Further Action | | | | |
| Facility Status: Inactive FR Status: NFA: No Further Action | | | | |
| UNIVERSAL ENTERPRISES, INC. | 525 BEER RD | NW 1/4 - 1/2 (0.414 mi.) | B16 | 24 |
| FR Status: Inactive FR Status: NFA: No Further Action | | | | |
| Facility Status: Inactive FR Status: NFA: No Further Action | | | | |
| GOODYEAR AUTO SERVICE CENTER | 2264 W 4TH ST | ENE 1/4 - 1/2 (0.486 mi.) | 17 | 24 |
| FR Status: Inactive FR Status: NFA: No Further Action | | | | |
| Facility Status: Inactive FR Status: NFA: No Further Action | | | | |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| SEARS ROEBUCK & CO. | 600 RICHLAND MALL | ESE 1/4 - 1/2 (0.383 mi.) | 13 | 22 |
| FR Status: Inactive FR Status: NFA: No Further Action | | | | |
| Facility Status: Inactive FR Status: NFA: No Further Action | | | | |
| MARATHON PIPELINE CO. | STUMBO RD | ESE 1/4 - 1/2 (0.392 mi.) | 14 | 22 |
| FR Status: Inactive FR Status: NFA: No Further Action | | | | |
| Facility Status: Inactive FR Status: NFA: No Further Action | | | | |

***State and tribal institutional control / engineering control registries***

INST CONTROL: Sites with Engineering and/or Institutional controls.

A review of the INST CONTROL list, as provided by EDR, and dated 08/17/2010 has revealed that there is 1 INST CONTROL site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***UNIVERSAL TUBULAR SYSTEMS FORM*** | ***525 BEER RD*** | ***NW 1/4 - 1/2 (0.414 mi.)*** | ***B15*** | ***22*** |

***State and tribal voluntary cleanup sites***

VCP: Ohio EPA, Voluntary Action Program Sites.

A review of the VCP list, as provided by EDR, and dated 08/17/2010 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***UNIVERSAL TUBULAR SYSTEMS FORM*** | ***525 BEER RD*** | ***NW 1/4 - 1/2 (0.414 mi.)*** | ***B15*** | ***22*** |

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Other Ascertainable Records***

USD: Urban Setting Designation Sites.

A review of the USD list, as provided by EDR, and dated 08/17/2010 has revealed that there is 1 USD site within approximately 0.5 miles of the target property.

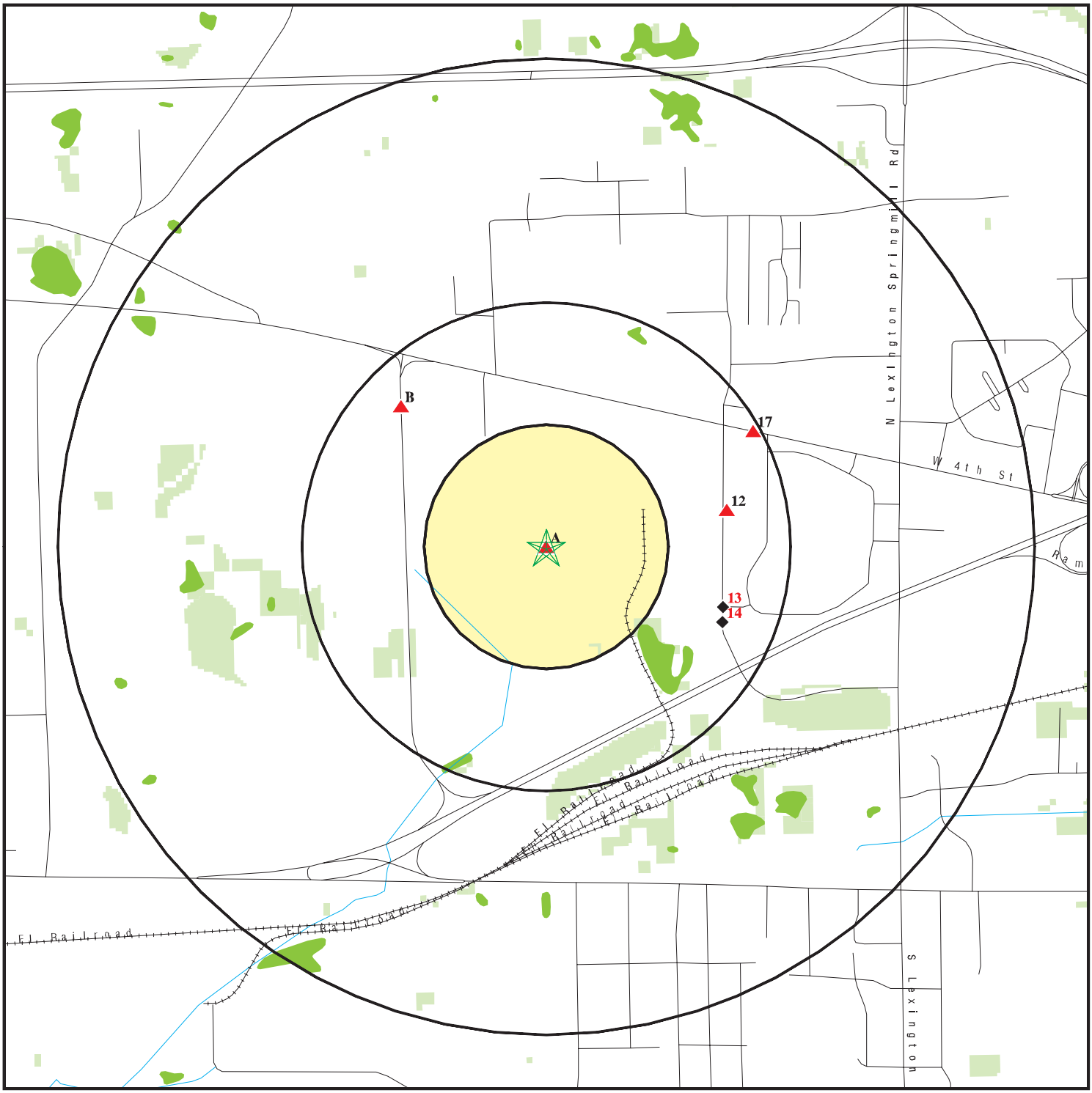
| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| *UNIVERSAL TUBULAR SYSTEMS FORM* | *525 BEER RD* | *NW 1/4 - 1/2 (0.414 mi.)* | *B15* | *22* |

# EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 37 records.

| Site Name | Database(s) |
|---|---|
| EAST MANSFIELD BARBER SHOP | UIC |
| MUSICK'S SERV STATION MAINT,INC. | LUST |
| JOHN F. HARING | LUST |
| CLEARFORK MARINA | LUST |
| MUSICKS SERV STATION MAINT,INC. | UST |
| CHARLES MILL LAKE PARK | UST |
| WELLER TOWNSHIP TRUSTEES | UST |
| JOHN F. HARING | UST |
| CLEARFORK MARINA | UST |
| CON-WAY CENTRAL EXPRESS | RCRA-NonGen |
| ODOT HIGHWAY BRIDGE | RCRA-NonGen, FINDS |
| MARATHON ASHLAND PIPE LINE LLC | RCRA-CESQG, FINDS |
| OH AM MANSFIELD SYSTEM 1 | FINDS |
| NORTH ELECTRIC CO PLANT 15 | FINDS |
| MANSFIELD POP | FINDS |
| BOOKMASTERS INC PLANT | FINDS |
| MANSFIELD LAHM REGIONAL | FINDS |
| MANSFIELD CITY | SPILLS |
| MANSFIELD WATER WORKS | SPILLS |
| MANSFIELD STP | SPILLS |
| MANSFIELD | SPILLS |
| MANSFIELD | SPILLS |
| MANSFIELD SEWERS & DRAINS | SPILLS |
| MANSFIELD WWTP | SPILLS |
| MANSFIELD ASPHALT | SPILLS |
| MANSFIELD CORRECTIONAL | SPILLS |
| MANSFIELD CITY GARAGE | SPILLS |
| MANSFIELD PLASTIC INC | SPILLS |
| MANSFIELD | SPILLS |
| MANSFIELD STP | SPILLS |
| DSL MANSFIELD PLATE | SPILLS |
| MANSFIELD PRODUCTS | SPILLS |
| MANSFIELD PRODUCTS CO | SPILLS |
| MANSFIELD GENERAL | SPILLS |
| MANSFIELD CITY SCHOOLS | SPILLS |
| MANSFIELD WW | SPILLS |
| MANSFIELD LANDFILL (CLOSED) | NPDES |

# OVERVIEW MAP - 2959580.2s




0 1/4 1/2 1 Miles

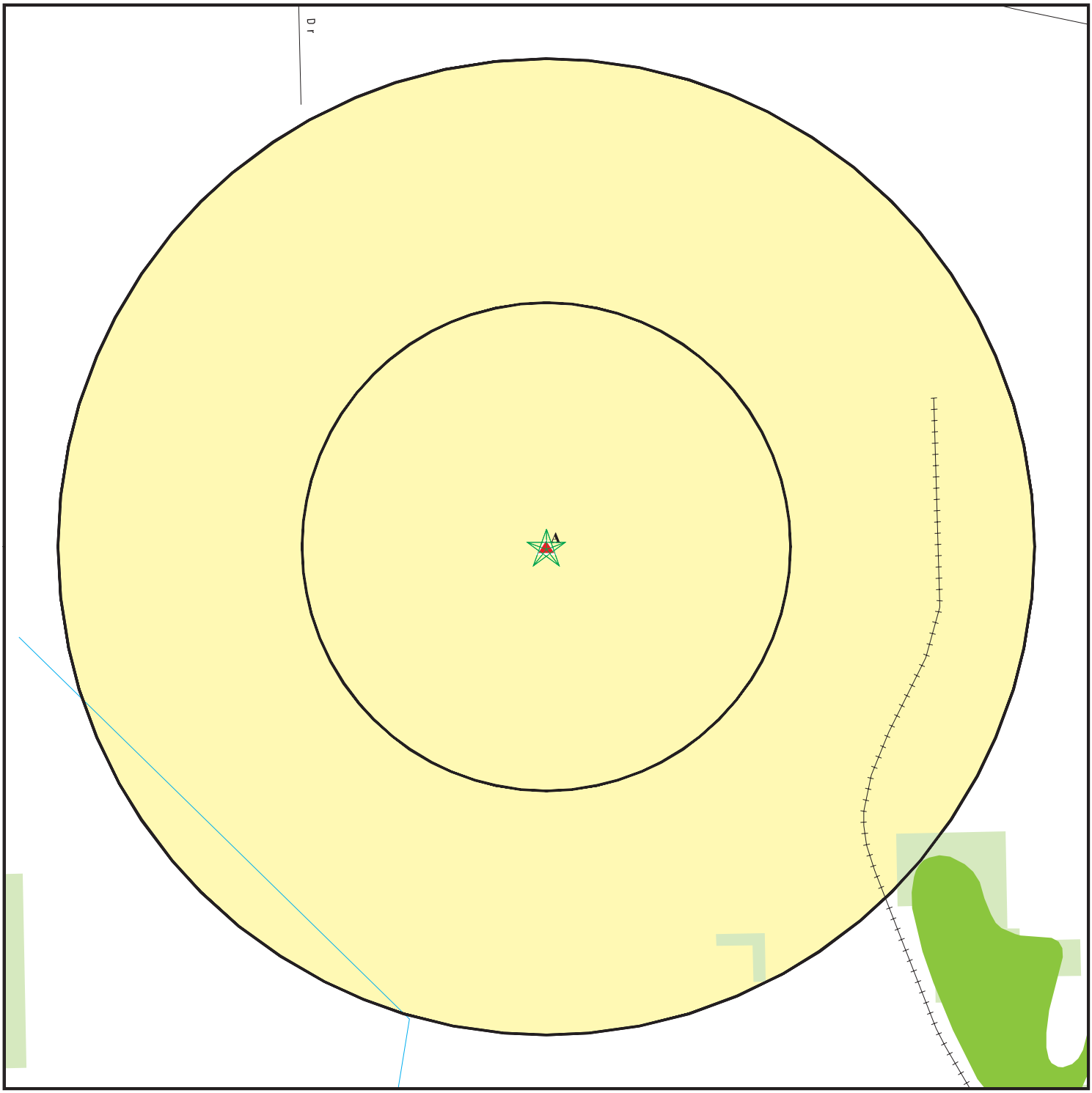
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- National Wetland Inventory
- State 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: Mansfield Stamping Plant<br>ADDRESS: 2525 W 4th Street<br>Mansfield OH 44906<br>LAT/LONG: 40.7699 / 82.6042 | CLIENT: Tetra Tech EM, Inc.<br>CONTACT: Vicky Farmer<br>INQUIRY #: 2959580.2s<br>DATE: January 05, 2011 4:30 pm |

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# DETAIL MAP - 2959580.2s




- 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
- 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: Mansfield Stamping Plant | CLIENT: Tetra Tech EM, Inc. |
| ADDRESS: 2525 W 4th Street<br>Mansfield OH 44906 | CONTACT: Vicky Farmer |
| LAT/LONG: 40.7699 / 82.6042 | INQUIRY #: 2959580.2s<br>DATE: January 05, 2011 4:30 pm |

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# MAP FINDINGS SUMMARY

| Database | Target Property | Search Distance (Miles) | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| **STANDARD ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Federal NPL site list*** | | | | | | | | |
| NPL | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | | TP | NR | NR | NR | NR | NR | 0 |
| ***Federal Delisted NPL site list*** | | | | | | | | |
| Delisted NPL | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal CERCLIS list*** | | | | | | | | |
| CERCLIS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| FEDERAL FACILITY | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal CERCLIS NFRAP site List*** | | | | | | | | |
| CERC-NFRAP | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal RCRA CORRACTS facilities list*** | | | | | | | | |
| CORRACTS | X | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal RCRA non-CORRACTS TSD facilities list*** | | | | | | | | |
| RCRA-TSDF | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal RCRA generators list*** | | | | | | | | |
| RCRA-LQG | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| RCRA-SQG | X | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| RCRA-CESQG | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| ***Federal institutional controls / engineering controls registries*** | | | | | | | | |
| US ENG CONTROLS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROL | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal ERNS list*** | | | | | | | | |
| ERNS | X | TP | NR | NR | NR | NR | NR | 0 |
| ***State- and tribal - equivalent CERCLIS*** | | | | | | | | |
| SHWS | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| DERR | | 1.000 | 0 | 0 | 1 | 0 | NR | 1 |
| ***State and tribal landfill and/or solid waste disposal site lists*** | | | | | | | | |
| SWF/LF | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal leaking storage tank lists*** | | | | | | | | |
| LUST | X | 0.500 | 0 | 0 | 5 | NR | NR | 5 |
| UNREG LTANKS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN LUST | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal registered storage tank lists*** | | | | | | | | |
| UST | X | 0.250 | 0 | 0 | NR | NR | NR | 0 |

# MAP FINDINGS SUMMARY

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

# MAP FINDINGS SUMMARY

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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

**A1** **CPC GROUP - GM** **SPILLS** **S106334720**
**Target Property** **2525 W. FOURTH ST.** **N/A**
**MANSFIELD, OH**

**Site 1 of 11 in cluster A**

**Actual: 1394 ft.**

SPILLS:

| | |
|---|---|
| Spill No.: | 9012-71-5786 |
| Spill Year: | 1990 |
| Sequential Number: | Not reported |
| Date Spill Reported: | 12/21/90 |
| Spill Month: | 12 |
| Spill Number: | 5786 |
| Reporter Name: | CO |
| Confidential: | No |
| District Code: | CD |
| County Code: | 71 |
| Employee Number: | Not reported |
| Lat/Long: | Not reported |
| Product Spilled Name: | OIL |

---

**A2** **GENERAL MOTORS / CHEVROLET PROD CENTER** **SPILLS** **S106334518**
**Target Property** **2525 W. FOURTH ST.** **N/A**
**MANSFIELD, OH**

**Site 2 of 11 in cluster A**

**Actual: 1394 ft.**

SPILLS:

| | |
|---|---|
| Spill No.: | 9010-70-5040 |
| Spill Year: | 1990 |
| Sequential Number: | Not reported |
| Date Spill Reported: | 10/24/90 |
| Spill Month: | 10 |
| Spill Number: | 5040 |
| Reporter Name: | COMPANY |
| Confidential: | No |
| District Code: | CD |
| County Code: | 70 |
| Employee Number: | Not reported |
| Lat/Long: | Not reported |
| Product Spilled Name: | WASTE WATER |

---

**A3** **GENERAL MOTORS MANSFIELD STAMPING PLANT** **CORRACTS** **1000882090**
**Target Property** **2525 W FOURTH ST** **RCRA-SQG** **OHD004200085**
**MANSFIELD, OH 44906** **PADS**
**FINDS**
**MANIFEST**

**Site 3 of 11 in cluster A**

**Actual: 1394 ft.**

CORRACTS:

| | |
|---|---|
| EPA ID: | OHD004200085 |
| EPA Region: | 5 |
| Area Name: | ENTIRE FACILITY |
| Actual Date: | 7/1/2006 |
| Action: | CA001 |
| NAICS Code(s): | 33637<br>Motor Vehicle Metal Stamping |
| Original schedule date: | Not reported |

**GENERAL MOTORS MANSFIELD STAMPING PLANT (Continued)** **1000882090**

Schedule end date: Not reported

RCRA-SQG:

| | |
|---|---|
| Date form received by agency: | 03/16/2009 |
| Facility name: | GENERAL MOTORS MANSFIELD STAMPING PLANT |
| Facility address: | 2525 W FOURTH ST<br>ONTARIO, OH 44906 |
| EPA ID: | OHD004200085 |
| Contact: | MARVIN K ASBURY |
| Contact address: | 2525 W FOURTH ST<br>MANSFIELD, OH 44906 |
| Contact country: | US |
| Contact telephone: | (419) 755-5307 |
| Contact email: | MARVIN.K.ASBURY@GM.COM |
| EPA Region: | 05 |
| Land type: | Private |
| Classification: | Small Small Quantity Generator |
| Description: | Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | GENERAL MOTORS CORP |
| Owner/operator address: | 300 RENAISSANCE CENTER<br>DETROIT, MI 48265 |
| Owner/operator country: | US |
| Owner/operator telephone: | (313) 556-5000 |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | 07/20/1955 |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | GENERAL MOTORS CORP |
| Owner/operator address: | 300 RENAISSANCE CENTER<br>DETROIT, MI 48265 |
| Owner/operator country: | US |
| Owner/operator telephone: | (313) 556-5000 |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | 07/20/1955 |
| 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 |

**GENERAL MOTORS MANSFIELD STAMPING PLANT (Continued)** **1000882090**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

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

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

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

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

Historical Generators:
Date form received by agency: 03/20/2003
Facility name: GENERAL MOTORS MANSFIELD STAMPING PLANT
Site name: GENERAL MOTORS - MFD MANSFIELD PLT
Classification: Small Quantity Generator

Date form received by agency: 06/19/2002
Facility name: GENERAL MOTORS MANSFIELD STAMPING PLANT
Site name: GM CORP MFD MANSFIELD PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/15/2000
Facility name: GENERAL MOTORS MANSFIELD STAMPING PLANT
Site name: GENERAL MOTORS CORP MFD MANSFIELD PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/23/1998
Facility name: GENERAL MOTORS MANSFIELD STAMPING PLANT
Site name: GENERAL MOTORS CORP MFD MANSFIELD PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/22/1996
Facility name: GENERAL MOTORS MANSFIELD STAMPING PLANT
Site name: GENERAL MOTORS CORP MFD MANSFIELD PLANT
Classification: Large Quantity Generator

Date form received by agency: 11/04/1994
Facility name: GENERAL MOTORS MANSFIELD STAMPING PLANT
Site name: GMC CPC GROUP MANSFIELD
Classification: Large Quantity Generator

Date form received by agency: 02/28/1994
Facility name: GENERAL MOTORS MANSFIELD STAMPING PLANT

**GENERAL MOTORS MANSFIELD STAMPING PLANT (Continued)** **1000882090**

Site name: CPC GROUP GMC MANSFIELD PLANT
Classification: Large Quantity Generator

Date form received by agency: 03/01/1993
Facility name: GENERAL MOTORS MANSFIELD STAMPING PLANT
Site name: GMC CPC GROUP MANSFIELD
Classification: Large Quantity Generator

Date form received by agency: 02/26/1992
Facility name: GENERAL MOTORS MANSFIELD STAMPING PLANT
Site name: CPC GROUP GMC CORP MANSFIELD PLANT
Classification: Large Quantity Generator

Date form received by agency: 02/28/1990
Facility name: GENERAL MOTORS MANSFIELD STAMPING PLANT
Site name: CPC GROUP GMC CORP MANSFIELD PLANT
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Facility name: GENERAL MOTORS MANSFIELD STAMPING PLANT
Site name: GMC CPC GROUP MANSFIELD
Classification: Not a generator, verified

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D006
Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D010
Waste name: SELENIUM

Waste code: D018
Waste name: BENZENE

**GENERAL MOTORS MANSFIELD STAMPING PLANT (Continued)** **1000882090**

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Corrective Action Summary:
Event date: 07/01/2006
Event: CA001

Facility Has Received Notices of Violations:
Regulation violated: SR - 3745-65-16(B)
Area of violation: Generators - Pre-transport
Date violation determined: 08/12/1997
Date achieved compliance: 10/16/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/21/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 3745-52-34(A)(2)
Area of violation: Generators - Pre-transport
Date violation determined: 08/12/1997
Date achieved compliance: 10/16/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/21/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

**GENERAL MOTORS MANSFIELD STAMPING PLANT (Continued)** **1000882090**

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

Regulation violated: SR - 3745-65-33(B)
Area of violation: Generators - Pre-transport
Date violation determined: 08/12/1997
Date achieved compliance: 10/16/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/21/1997
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: 11/04/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/12/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 10/16/1997
Evaluation lead agency: State

Evaluation date: 12/18/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

PADS:
EPAID: OHD004200085
Facility name: GMC CPC GRP MANSFIELD PLT
Facility Address: 2525 W 4TH ST
MANSFIELD, OH 44906
Facility country: US
Generator: Yes
Storer: No
Transporter: No
Disposer: No
Research facility: No
Smelter: No
Facility owner name: GMC
Contact title: Not reported
Contact name: FISH EDWARD
Contact tel: (419)755-5351
Contact extension: Not reported
Mailing address: PO BOX 2567
MANSFIELD, OH 44906
Mailing country: US

**GENERAL MOTORS MANSFIELD STAMPING PLANT (Continued)** **1000882090**

Cert. title: Not reported
Cert. name: Not reported
Cert. date: 4/2/1990
Date received: 5/25/1990

FINDS:

Registry ID: 110000814566

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

The OH-CORE (Ohio - Core) database contains information commonly shared among the Ohio EPA environmental programs. The information is facility-based, general in nature, and used to support specific programmatic systems while simultaneously maintaining an inventory of common facility-related data. Specific programmatic details are maintained in programmatic databases.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

NY MANIFEST:
EPA ID: OHD004200085
Country: USA
Mailing Name: GENERAL MOTORS CORP
Mailing Contact: KAREN KEYS

**GENERAL MOTORS MANSFIELD STAMPING PLANT (Continued)** **1000882090**

| | |
|---|---|
| Mailing Address: | PO BOX 2567 |
| Mailing Address 2: | Not reported |
| Mailing City: | MANSFIELD |
| Mailing State: | OH |
| Mailing Zip: | 44906 |
| Mailing Zip4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 419-755-5011 |

| | |
|---|---|
| Document ID: | NYG0048141 |
| Manifest Status: | Completed after the designated time period for a TSDF to get a copy to the DEC |
| Trans1 State ID: | FT97592CA |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 971022 |
| Trans1 Recv Date: | 971022 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 971103 |
| Part A Recv Date: | 971112 |
| Part B Recv Date: | 971119 |
| Generator EPA ID: | OHD004200085 |
| Trans1 EPA ID: | MOD095038998 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD049836679 |
| Waste Code: | D009 - MERCURY 0.2 MG/L TCLP |
| Quantity: | 00236 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 100 |
| Year: | 97 |

| | |
|---|---|
| Document ID: | NYB8370594 |
| Manifest Status: | Completed after the designated time period for a TSDF to get a copy to the DEC |
| Trans1 State ID: | 11284PNY |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 961010 |
| Trans1 Recv Date: | 961010 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 961011 |
| Part A Recv Date: | 961024 |
| Part B Recv Date: | 961105 |
| Generator EPA ID: | OHD004200085 |
| Trans1 EPA ID: | NYD980769947 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD049836679 |
| Waste Code: | D009 - MERCURY 0.2 MG/L TCLP |
| Quantity: | 03580 |
| Units: | P - Pounds |
| Number of Containers: | 012 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 100 |
| Year: | 96 |

**A4** **GENERAL MOTORS** **SPILLS** **S101566202**
**Target Property** **2525 W 4TH ST** **N/A**
**MANSFIELD, OH**

**Site 4 of 11 in cluster A**

**Actual: 1394 ft.**

SPILLS:

| | |
|---|---|
| Spill No.: | 9809-70-4023 |
| Spill Year: | 1998 |
| Sequential Number: | Not reported |
| Date Spill Reported: | 09/26/98 |
| Spill Month: | 9 |
| Spill Number: | 4023 |
| Reporter Name: | KAREN KEYS |
| Confidential: | No |
| District Code: | CD |
| County Code: | 70 |
| Employee Number: | 1752 |
| Lat/Long: | Not reported |
| Product Spilled Name: | ETHYLENE GLYCOL ANTIFREEZE |

---

**A5** **GENERAL MOTORS / CLCD MANSFIELD** **SPILLS** **S106330900**
**Target Property** **2525 W FOURTH ST** **N/A**
**MANSFIELD, OH**

**Site 5 of 11 in cluster A**

**Actual: 1394 ft.**

SPILLS:

| | |
|---|---|
| Spill No.: | 9305-70-1734 |
| Spill Year: | 1993 |
| Sequential Number: | Not reported |
| Date Spill Reported: | 05/06/93 |
| Spill Month: | 5 |
| Spill Number: | 1734 |
| Reporter Name: | COMPANY |
| Confidential: | No |
| District Code: | NW |
| County Code: | 70 |
| Employee Number: | Not reported |
| Lat/Long: | 404614 / 823624 |
| Product Spilled Name: | ETHYLENE GLYCOL |

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**A6** **MANSFIELD FABRICATING PLANT** **UST** **U004095509**
**Target Property** **2525 W 4TH ST** **N/A**
**MANSFIELD, OH 44906**

**Site 6 of 11 in cluster A**

**Actual: 1394 ft.**

Facility:

| | |
|---|---|
| Facility ID: | 70000080 |
| Facility Type: | Gas Station |
| 24 Hr Emergency Contact: | KAREN KEYS |
| 24 Hr Emergency Phone: | (419)755-5307 |
| Number Of Tanks On Site: | Not reported |
| Local Fire Department: | SPRINGFIELD TWP FIRE DEPARTMENT |
| Delegated Authority: | No |
| Elig For Green Buckeye Award: | Not reported |
| Active Release Site: | No |

**MANSFIELD FABRICATING PLANT (Continued)** **U004095509**

Owner Id: W000168
Owner Name: MFD GROUP GENERAL MOTORS CORP
Owner Address: PO BOX 2567
Owner City/State/Zip: MANSFIELD, OH 44906
Owner Phone: (419)755-5307

Inspection:
Facility Id: 70000080
Inspection Id: 12/17/02
Code: 103
Permit Number: P00002
Inspection Type: Final

Permit:
Facility Id: 70000080
Permit Id: P00001
Permit Status: Closed
Issued Date: 7/18/2001
Lfd Permit Id: Not reported

Facility Id: 70000080
Permit Id: P00002
Permit Status: Closed
Issued Date: 10/16/2002
Lfd Permit Id: Not reported

UST:
Tank ID: T00001
**Tank Status:** **REM**
Tank Type: Steel;Cathodically Protected Steel;;Double Walle
Capacity: 2000
Content: Gasoline
CAS #: 8006-61-9
Regulated: Yes
Overfill Device Installed: Yes
Spill Device Installed: Yes
AST/UST: UST
Installation Date: 6/1/1986
Date Removed: 12/16/2002
Date Last Used: Not reported
Date Abandoned/Closed: Not reported
Corrosion Protection Tank: Field Galvanic Anodes
Release Detection on Tank: Automatic Tank Gauging;Ground Water Monitoring;Manual Tank Gauging;Statistical Inventory Reconciliation
Corrosion Protection Piping: None Required
Piping Material: Galvanized Steel;Double Walled;S
Piping Type: Suction: valve at tank
Release Detection on Piping: None Required

Tank ID: T00002
**Tank Status:** **REM**
Tank Type: Steel;Cathodically Protected Steel;;Double Walle
Capacity: 2000
Content: Gasoline
CAS #: 8006-61-9
Regulated: Yes
Overfill Device Installed: Yes

**MANSFIELD FABRICATING PLANT (Continued)** **U004095509**

| | |
|---|---|
| Spill Device Installed: | Yes |
| AST/UST: | UST |
| Installation Date: | 6/1/1986 |
| Date Removed: | 12/16/2002 |
| Date Last Used: | Not reported |
| Date Abandoned/Closed: | Not reported |
| Corrosion Protection Tank: | Field Galvanic Anodes |
| Release Detection on Tank: | Automatic Tank Gauging;Ground Water Monitoring;Manual Tank Gauging;Statistical Inventory Reconciliation |
| Corrosion Protection Piping: | None Required |
| Piping Material: | Galvanized Steel;Double Walled;S |
| Piping Type: | Suction: valve at tank |
| Release Detection on Piping: | None Required |

| | |
|---|---|
| Tank ID: | T00003 |
| **Tank Status:** | **REM** |
| Tank Type: | Cathodically Protected Steel |
| Capacity: | 2000 |
| Content: | Diesel |
| CAS #: | 68334-30-5 |
| Regulated: | Yes |
| Overfill Device Installed: | Yes |
| Spill Device Installed: | Yes |
| AST/UST: | UST |
| Installation Date: | 6/1/1986 |
| Date Removed: | 12/16/2002 |
| Date Last Used: | Not reported |
| Date Abandoned/Closed: | Not reported |
| Corrosion Protection Tank: | Field Galvanic Anodes |
| Release Detection on Tank: | Automatic Tank Gauging;Ground Water Monitoring;Manual Tank Gauging;Statistical Inventory Reconciliation |
| Corrosion Protection Piping: | None Required |
| Piping Material: | Galvanized Steel;Double Walled;S |
| Piping Type: | Suction: valve at tank |
| Release Detection on Piping: | None Required |

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**A7** **MANSFIELD FABRICATING PLANT** **LUST** **S105767195**
**Target** **2525 W 4TH ST** **N/A**
**Property** **MANSFIELD, OH 44906**

**Site 7 of 11 in cluster A**

**Actual:**
**1394 ft.**

LUST:

| | |
|---|---|
| Release Number: | 70000080-N00001 |
| Release Date: | Not reported |
| **Facility Status:** | **Inactive** |
| LTF Status: | 1 SUS/CON from regulated UST |
| **FR Status:** | **NFA: No Further Action** |
| Priority: | 2 |
| Review Date: | 6/20/2000 |
| Class: | Viable Responsible Party has been identified |

| | |
|---|---|
| Release Number: | 70000080-N00002 |
| Release Date: | 12/17/2002 |
| **Facility Status:** | **Inactive** |
| LTF Status: | 6 Closure of regulated UST |
| **FR Status:** | **NFA: No Further Action** |

**MANSFIELD FABRICATING PLANT (Continued)** **S105767195**

Priority: 3
Review Date: 3/24/2003
Class: Viable Responsible Party has been identified

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**A8**
**Target Property**
**Actual: 1394 ft.**

**MOTORS LIQUIDATION COMPANY FKA GENERAL MOTORS CORP** **FINDS** **1012239145**
**2525 WEST FOURTH STREET** **N/A**
**ONTARIO, OH 44906**

**Site 8 of 11 in cluster A**

FINDS:

Registry ID: 110039584731

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.

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**A9**
**Target Property**
**Actual: 1394 ft.**

**MOTORS LIQUIDATION COMPANY FKA GENERAL** **RCRA-SQG** **1012187573**
**2525 WEST FOURTH STREET** **OHR000156034**
**ONTARIO, OH 44906**

**Site 9 of 11 in cluster A**

RCRA-SQG:
Date form received by agency: 10/29/2009
Facility name: MOTORS LIQUIDATION COMPANY FKA GENERAL
Site name: MOTORS LIQUIDATION COMPANY FKA GENERAL MOTORS CORP
Facility address: 2525 WEST FOURTH STREET
ONTARIO, OH 44906
EPA ID: OHR000156034
Contact: MARVIN K ASBURY
Contact address: 2525 WEST FOURTH STREET
MANSFIELD, OH 44906
Contact country: US
Contact telephone: (419) 755-5307
Contact email: MARVIN.K.ASBURY@GM.COM
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: MOTORS LIQUIDATION COMPANY
Owner/operator address: 300 RENAISSANCE CENTER
DETROIT, MI 48265
Owner/operator country: US
Owner/operator telephone: (214) 906-2146

**MOTORS LIQUIDATION COMPANY FKA GENERAL (Continued)** **1012187573**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/22/1955
Owner/Op end date: Not reported

Owner/operator name: GENERAL MOTORS LLC
Owner/operator address: 300 RENAISSANCE CENTER
DETROIT, MI 48265
Owner/operator country: US
Owner/operator telephone: (214) 906-2146
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/10/2009
Owner/Op end date: Not reported

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

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

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

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

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

Historical Generators:
Date form received by agency: 08/07/2009
Facility name: MOTORS LIQUIDATION COMPANY FKA GENERAL
Site name: MOTORS LIQUIDATION COMPANY
Classification: Small Quantity Generator

**MOTORS LIQUIDATION COMPANY FKA GENERAL (Continued)** **1012187573**

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D006
Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D010
Waste name: SELENIUM

Waste code: D018
Waste name: BENZENE

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

**MOTORS LIQUIDATION COMPANY FKA GENERAL (Continued)** **1012187573**

ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

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**A10** **2525 WEST 4TH ST** **ERNS** **93314879**
**Target Property** **2525 WEST 4TH ST** **N/A**
**MANSFIELD, OH 44906**

**Site 10 of 11 in cluster A**

**Actual: 1394 ft.**

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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**A11** **G M** **SPILLS** **S106334596**
**Target Property** **2525 4TH ST.** **N/A**
**MANSFIELD, OH**

**Site 11 of 11 in cluster A**

**Actual: 1394 ft.**

SPILLS:

| | |
|---|---|
| Spill No.: | 9011-70-5308 |
| Spill Year: | 1990 |
| Sequential Number: | Not reported |
| Date Spill Reported: | 11/12/90 |
| Spill Month: | 11 |
| Spill Number: | 5308 |
| Reporter Name: | CO |
| Confidential: | No |
| District Code: | CD |
| County Code: | 70 |
| Employee Number: | Not reported |
| Lat/Long: | Not reported |
| Product Spilled Name: | OIL & GREASE |

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**12** **VILLAGE POLICE DEPT** **LUST** **S104778722**
**ENE** **555 STUMBO RD** **N/A**
**1/4-1/2** **ONTARIO, OH 44862**
**0.377 mi.**
**1992 ft.**

**Relative: Higher**

**Actual: 1400 ft.**

LUST:

| | |
|---|---|
| Release Number: | 70002257-N00001 |
| Release Date: | Not reported |
| **Facility Status:** | **Inactive** |
| LTF Status: | 6 Closure of regulated UST |
| **FR Status:** | **NFA: No Further Action** |
| Priority: | 3 |
| Review Date: | 6/20/2000 |
| Class: | Viable Responsible Party has been identified |

**13**
**ESE**
**1/4-1/2**
**0.383 mi.**
**2020 ft.**

**SEARS ROEBUCK & CO.**
**600 RICHLAND MALL**
**MANSFIELD, OH 44906**

**LUST** **S104778712**
**N/A**

**Relative:**
**Lower**

**Actual:**
**1384 ft.**

LUST:
Release Number: 70000512-N00001
Release Date: 12/14/1993
**Facility Status:** **Inactive**
LTF Status: 1 SUS/CON from regulated UST
**FR Status:** **NFA: No Further Action**
Priority: 2
Review Date: 12/12/2002
Class: Viable Responsible Party has been identified

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**14**
**ESE**
**1/4-1/2**
**0.392 mi.**
**2072 ft.**

**MARATHON PIPELINE CO.**
**STUMBO RD**
**MANSFIELD, OH 44906**

**LUST** **S104778708**
**N/A**

**Relative:**
**Lower**

**Actual:**
**1382 ft.**

LUST:
Release Number: 70000371-N00001
Release Date: Not reported
**Facility Status:** **Inactive**
LTF Status: 6 Closure of regulated UST
**FR Status:** **NFA: No Further Action**
Priority: 3
Review Date: 6/20/2000
Class: Viable Responsible Party has been identified

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**B15**
**NW**
**1/4-1/2**
**0.414 mi.**
**2186 ft.**

**UNIVERSAL TUBULAR SYSTEMS FORMER, ONTARIO**
**525 BEER RD**
**ONTARIO, OH 44906**

**Site 1 of 2 in cluster B**

**DERR** **S107151715**
**INST CONTROL** **N/A**
**VCP**
**USD**

**Relative:**
**Higher**

**Actual:**
**1396 ft.**

DERR:
DERR ID: 370002387
District: NWDO
Alias: Not reported
Lat/Long: 40.764387999999997 -82.610849000000002
EPA ID: Not reported
**Program:** **Voluntary Action Program**
Contact Phone: (419) 352-8461

INST CONTROL:
NFA Number: 08NFA298
Land Use: Not reported
Site Id: 370002387
Project Id: 370002387004
District: NWDO
Lat/Long: 40.764842000000002 / -82.610996999999998
Program Area: VAP
Project Type: NFA 90 Day
IC Type: Not reported
IC Mechanism: Not reported

**UNIVERSAL TUBULAR SYSTEMS FORMER, ONTARIO (Continued)** **S107151715**

OH VCP:

OH EPA District: NWDO
Alias Name: Southern Portion of Burner Systems Intl
Latitude: 40.764387999999997
Longitude: -82.610849000000002
Old Program Id: 08NFA298
Project Type: NFA 90 Day
DERR ID: 370002387

OH EPA District: NWDO
Alias Name: UTS Facility
Latitude: 40.764387999999997
Longitude: -82.610849000000002
Old Program Id: 05TA041
Project Type: VAP Technical Assistance
DERR ID: 370002387

OH EPA District: NWDO
Alias Name: Not reported
Latitude: 40.764387999999997
Longitude: -82.610849000000002
Old Program Id: 00TA006
Project Type: VAP Technical Assistance
DERR ID: 370002387

OH EPA District: NWDO
Alias Name: Southern Portion of Universal Tubular Systems LLC
Latitude: 40.764387999999997
Longitude: -82.610849000000002
Old Program Id: 08NFA298
Project Type: NFA 90 Day
DERR ID: 370002387

OH EPA District: NWDO
Alias Name: Burner Systems Intl Inc
Latitude: 40.764387999999997
Longitude: -82.610849000000002
Old Program Id: 08NFA298
Project Type: NFA 90 Day
DERR ID: 370002387

OH EPA District: NWDO
Alias Name: Burner Systems Intl Inc
Latitude: 40.764387999999997
Longitude: -82.610849000000002
Old Program Id: 08NFA302
Project Type: NFA 90 Day
DERR ID: 370002387

OH EPA District: NWDO
Alias Name: Not reported
Latitude: 40.764387999999997
Longitude: -82.610849000000002
Old Program Id: 08NFA302
Project Type: NFA 90 Day
DERR ID: 370002387

**UNIVERSAL TUBULAR SYSTEMS FORMER, ONTARIO (Continued)** **S107151715**

OH EPA District: NWDO
Alias Name: Not reported
Latitude: 40.764387999999997
Longitude: -82.610849000000002
Old Program Id: 07USD078
Project Type: Urban Setting Designation
DERR ID: 370002387

USD:
Address2: Not reported
Facility Type: Property Specific
USD Status: Pending
Date UDS Submitted: 12/19/2007
Date USD Approved / DisApproved: Not reported
District: NWDO

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**B16**
**NW**
**1/4-1/2**
**0.414 mi.**
**2186 ft.**

**UNIVERSAL ENTERPRISES, INC.** **LUST** **S104259796**
**525 BEER RD** **N/A**
**MANSFIELD, OH 44906**

**Site 2 of 2 in cluster B**

**Relative:**
**Higher**

**Actual:**
**1396 ft.**

LUST:
Release Number: 70006525-N00001
Release Date: Not reported
**Facility Status:** **Inactive**
LTF Status: 1 SUS/CON from regulated UST
**FR Status:** **NFA: No Further Action**
Priority: 2
Review Date: 6/20/2000
Class: Viable Responsible Party has been identified

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**17**
**ENE**
**1/4-1/2**
**0.486 mi.**
**2564 ft.**

**GOODYEAR AUTO SERVICE CENTER** **LUST** **S104778728**
**2264 W 4TH ST** **N/A**
**ONTARIO VILLAGE, OH 44906**

**Relative:**
**Higher**

**Actual:**
**1410 ft.**

LUST:
Release Number: 70004035-N00001
Release Date: Not reported
**Facility Status:** **Inactive**
LTF Status: 6 Closure of regulated UST
**FR Status:** **NFA: No Further Action**
Priority: 3
Review Date: 6/20/2000
Class: Viable Responsible Party has been identified

Count: 37 records. ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---|---|---|---|---|---|
| MANSFIELD | S106324851 | MANSFIELD CITY | 385 SO 111 | | SPILLS |
| MANSFIELD | U004096754 | MUSICKS SERV STATION MAINT,INC. | RT 12 | 44903 | UST |
| MANSFIELD | S104259937 | MUSICK'S SERV STATION MAINT,INC. | RT 12 | 44903 | LUST |
| MANSFIELD | 1007655134 | OH AM MANSFIELD SYSTEM 1 | RTE 39, EAST OF TRIMBLE | 44906 | FINDS |
| MANSFIELD | U004087020 | CHARLES MILL LAKE PARK | RT 4 ST RT 430 | 44903 | UST |
| MANSFIELD | S109499349 | EAST MANSFIELD BARBER SHOP | 736 PA EAST PARK AVE. | 0 | UIC |
| MANSFIELD | S102483019 | MANSFIELD WATER WORKS | AT HEADWORKS | | SPILLS |
| MANSFIELD | S102882130 | MANSFIELD STP | S. ILLINOIS AVE | | SPILLS |
| MANSFIELD | S106326486 | MANSFIELD | 385 ILLNIA | | SPILLS |
| MANSFIELD | S106326483 | MANSFIELD | 385 ILLONIA AVE | | SPILLS |
| MANSFIELD | S102894757 | MANSFIELD SEWERS & DRAINS | LIND AVE IN FRONT OF HOSPITAL | | SPILLS |
| MANSFIELD | 1005870375 | NORTH ELECTRIC CO PLANT 15 | W LONGVIEW AVE | 44906 | FINDS |
| MANSFIELD | S106964018 | MANSFIELD WWTP | MAIN PLANT | | SPILLS |
| MANSFIELD | 1007449255 | CON-WAY CENTRAL EXPRESS | MANSFIELD IND PKWY AT RT 13 | 44903 | RCRA-NonGen |
| MANSFIELD | S106275934 | MANSFIELD ASPHALT | N/A | | SPILLS |
| MANSFIELD | S106279970 | MANSFIELD CORRECTIONAL | N/A | | SPILLS |
| MANSFIELD | S106261144 | MANSFIELD CITY GARAGE | N/A | | SPILLS |
| MANSFIELD | S106262706 | MANSFIELD PLASTIC INC | N/A | | SPILLS |
| MANSFIELD | S106264723 | MANSFIELD | N/A | | SPILLS |
| MANSFIELD | S106288502 | MANSFIELD STP | N/A | | SPILLS |
| MANSFIELD | S106280458 | DSL MANSFIELD PLATE | N/A | | SPILLS |
| MANSFIELD | S106296647 | MANSFIELD PRODUCTS | N/A | | SPILLS |
| MANSFIELD | S106284562 | MANSFIELD PRODUCTS CO | N/A | | SPILLS |
| MANSFIELD | S106290478 | MANSFIELD GENERAL | N/A | | SPILLS |
| MANSFIELD | S109168827 | MANSFIELD LANDFILL (CLOSED) | SE OF CAIRNS RD / BOWMAN ST | 44903 | NPDES |
| MANSFIELD | S106959310 | MANSFIELD CITY SCHOOLS | OLD SENIOR HIGH SCHOOL 145 W P | | SPILLS |
| MANSFIELD | 1005872231 | MANSFIELD POP | 275 PARK | | FINDS |
| MANSFIELD | S106327187 | MANSFIELD WW | ROCKY FORK STATION | | SPILLS |
| MANSFIELD | U004104575 | WELLER TOWNSHIP TRUSTEES | ST RT 545 | 44903 | UST |
| MANSFIELD | 1000912909 | ODOT HIGHWAY BRIDGE | INTERSTATE RT 71 SECTION 1068L | 44906 | RCRA-NonGen, FINDS |
| MANSFIELD | S104778747 | JOHN F. HARING | ST RT 53-LEXINGTON AVE | 44903 | LUST |
| MANSFIELD | U004093954 | JOHN F. HARING | ST RT 53-LEXINGTON AVE | 44903 | UST |
| MANSFIELD | 1002540952 | CLEARFORK MARINA | 7471 STATE ROUTE 97 | 44903 | LUST |
| MANSFIELD | U004087749 | CLEARFORK MARINA | 7471 STATE ROUTE 97 | 44903 | UST |
| MANSFIELD | 1007657572 | BOOKMASTERS INC PLANT | 1442 STHY 42 | 44903 | FINDS |
| MANSFIELD | 1011985937 | MANSFIELD LAHM REGIONAL | UNKNOWN | | FINDS |
| ONTARIO | 1004765983 | MARATHON ASHLAND PIPE LINE LLC | STUMBO RD 1/8MI N OF ST RT 309 | 44906 | RCRA-CESQG, FINDS |

# 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: 07/02/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 82

Source: EPA
Telephone: N/A
Last EDR Contact: 10/13/2010
Next Scheduled EDR Contact: 01/24/2011
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: 07/02/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 82

Source: EPA
Telephone: N/A
Last EDR Contact: 10/13/2010
Next Scheduled EDR Contact: 01/24/2011
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
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: 07/02/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 82

Source: EPA
Telephone: N/A
Last EDR Contact: 10/13/2010
Next Scheduled EDR Contact: 01/24/2011
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
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 62

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 12/30/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPAa??s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2009
Date Data Arrived at EDR: 01/15/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/13/2010
Next Scheduled EDR Contact: 01/24/2011
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
Date Data Arrived at EDR: 09/02/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 19

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 12/01/2010
Next Scheduled EDR Contact: 03/14/2011
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: 05/25/2010
Date Data Arrived at EDR: 06/02/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 124

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Quarterly

***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: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/07/2010
Next Scheduled EDR Contact: 01/17/2011
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: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/07/2010
Next Scheduled EDR Contact: 01/17/2011
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: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/07/2010
Next Scheduled EDR Contact: 01/17/2011
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: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/07/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Varies

***Federal institutional controls / engineering controls registries***

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/20/2009
Date Data Arrived at EDR: 01/20/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
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
Date Data Arrived at EDR: 01/20/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
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: 07/09/2010
Date Data Arrived at EDR: 07/09/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 39

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/06/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Annually

***State- and tribal - equivalent CERCLIS***

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

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: Ohio EPA
Telephone: 614-644-2924
Last EDR Contact: 11/15/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: N/A

DERR: Division of Emergency & Remedial Response's Database

The DERR listings contains sites from all of Ohio that are in the Division of Emergency and Remedial Response (DERR) database, which is an index of sites for which our district offices maintain files. The database is NOT a record of contaminated sites or sites suspected of contamination. Not all sites in the database are contaminated, and a site's absence from the database does not imply that it is uncontaminated.

Date of Government Version: 08/25/2010
Date Data Arrived at EDR: 08/27/2010
Date Made Active in Reports: 09/20/2010
Number of Days to Update: 24

Source: Ohio EPA, Div. of Emergency and Remedial Response
Telephone: 614-644-3538
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Semi-Annually

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

SWF/LF: Licensed Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/19/2010
Date Data Arrived at EDR: 10/19/2010
Date Made Active in Reports: 10/29/2010
Number of Days to Update: 10

Source: Ohio Environmental Protection Agency
Telephone: 614-644-2621
Last EDR Contact: 10/18/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Annually

***State and tribal leaking storage tank lists***

LUST: Leaking Underground Storage Tank File

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 08/24/2010
Date Data Arrived at EDR: 08/25/2010
Date Made Active in Reports: 09/20/2010
Number of Days to Update: 26

Source: Department of Commerce
Telephone: 614-752-8200
Last EDR Contact: 11/24/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Quarterly

UNREG LTANKS: Ohio Leaking UST File

A suspected or confirmed release of petroleum from a non-regulated UST.

Date of Government Version: 08/25/1999
Date Data Arrived at EDR: 08/19/2003
Date Made Active in Reports: 08/26/2003
Number of Days to Update: 7

Source: Department of Commerce
Telephone: 614-752-7938
Last EDR Contact: 08/01/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/05/2010
Date Data Arrived at EDR: 08/06/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/02/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/05/2010
Date Data Arrived at EDR: 08/06/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 59

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 08/30/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Semi-Annually

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: 05/24/2010
Date Data Arrived at EDR: 05/27/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 74

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/03/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

***State and tribal registered storage tank lists***

UST: Underground Storage Tank Tank File
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/05/2010
Date Data Arrived at EDR: 10/07/2010
Date Made Active in Reports: 10/29/2010
Number of Days to Update: 22

Source: Department of Commerce
Telephone: 614-752-8200
Last EDR Contact: 12/20/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 08/03/2010
Date Data Arrived at EDR: 08/04/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 61

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Semi-Annually

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: 05/24/2010
Date Data Arrived at EDR: 05/27/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 74

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/30/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
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: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/02/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/05/2010
Date Data Arrived at EDR: 08/06/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 59
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

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: 10/29/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Varies

***State and tribal institutional control / engineering control registries***

ENG CONTROLS: Sites with Engineering Controls
A database that tracks properties with engineering controls.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 08/19/2010
Date Made Active in Reports: 09/20/2010
Number of Days to Update: 32
Source: Ohio EPA
Telephone: 614-644-2306
Last EDR Contact: 11/15/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Semi-Annually

INST CONTROL: Sites with Institutional Engineering Controls
A database that tracks properties with institutional controls.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 08/19/2010
Date Made Active in Reports: 09/20/2010
Number of Days to Update: 32
Source: Ohio Environmental Protection Agency
Telephone: 614-644-2306
Last EDR Contact: 11/15/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Semi-Annually

HIST INST CONTROLS: Institutional Controls Database
"Institutional control" is a restriction that is recorded in the same manner as a deed which limits access to or use of the property such that exposure to hazardous substances or petroleum are effectively and reliably eliminated or mitigated. Examples of institutional controls include land and water use restrictions. This database is no longer updated or maintained by the state agency.

Date of Government Version: 05/10/2005
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/04/2006
Number of Days to Update: 28
Source: Ohio EPA
Telephone: 614-644-2306
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

HIST ENG CONTROLS: Operation & Maintenance Agreements Database
Volunteers that complete a voluntary action that relies on the ongoing operation and maintenance (O&M) of an engineered control to make the site protective (e.g" cap systems and ground water treatment systems) must enter into a legally binding agreement with the Ohio EPA before the director issues a covenant not to sue. This O&M Agreement must describe how the remedy is constructed and how itwill be monitored, maintained and repaired. It also lays out inspection opportunities for the agency. Companies must document that they have the financial capability to operate any remedy relied on, before the agency will agree to enter into the O&M Agreement. The statute requires that the agency be notified of any change in ownership. This database is no longer updated or maintained by the state agency.

Date of Government Version: 05/10/2005
Date Data Arrived at EDR: 04/04/2006
Date Made Active in Reports: 05/04/2006
Number of Days to Update: 30

Source: Ohio EPA
Telephone: 614-644-2306
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

***State and tribal voluntary cleanup sites***

VCP: Voluntary Action Program Sites
Site involved in the Voluntary Action Program.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 08/19/2010
Date Made Active in Reports: 09/20/2010
Number of Days to Update: 32

Source: Ohio EPA, Voluntary Action Program
Telephone: 614-728-1298
Last EDR Contact: 11/15/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/05/2010
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

***State and tribal Brownfields sites***

BROWNFIELDS: Ohio Brownfield Inventory
A statewide brownfields inventory. A brownfield is an abandoned, idled or under-used industrial or commercial property where expansion or redevelopment is complicated by known or potential releases of hazardous substances and/or petroleum.

Date of Government Version: 09/20/2010
Date Data Arrived at EDR: 09/20/2010
Date Made Active in Reports: 10/29/2010
Number of Days to Update: 39

Source: Ohio EPA
Telephone: 614-644-3748
Last EDR Contact: 12/17/2010
Next Scheduled EDR Contact: 04/04/2011
Data Release Frequency: Varies

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 06/25/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/30/2010
Next Scheduled EDR Contact: 04/11/2011
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
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 12/22/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: No Update Planned

HIST LF: Old Solid Waste Landfill

A list of about 1200 old abandoned dumps or landfills. This database was developed from Ohio EPA staff notebooks and other information dating from the mid-1970s

Date of Government Version: 01/01/1980
Date Data Arrived at EDR: 07/01/2003
Date Made Active in Reports: 07/17/2003
Number of Days to Update: 16

Source: Ohio EPA
Telephone: 614-644-3749
Last EDR Contact: 06/26/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Facility Listing

A listing of recycling facility locations.

Date of Government Version: 05/11/2010
Date Data Arrived at EDR: 06/07/2010
Date Made Active in Reports: 07/20/2010
Number of Days to Update: 43

Source: Ohio EPA
Telephone: 614-728-5357
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Varies

***Local Lists of Hazardous waste / Contaminated Sites***

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/07/2010
Date Data Arrived at EDR: 06/18/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 60
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/08/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Locations
A list of clandestine drug lab sites with environmental impact. This list is extracted from the SPILLS database based on the "product" type.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 03/09/2010
Number of Days to Update: 18
Source: Ohio EPA
Telephone: 614-644-2080
Last EDR Contact: 11/15/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

***Local Lists of Registered Storage Tanks***

ARCHIVE UST: Archived Underground Storage Tank Sites
Underground storage tank records that have been removed from the Underground Storage Tank database.

Date of Government Version: 10/05/2010
Date Data Arrived at EDR: 10/07/2010
Date Made Active in Reports: 10/29/2010
Number of Days to Update: 22
Source: Department of Commerce, Division of State Fire Marshal
Telephone: 614-752-7938
Last EDR Contact: 12/20/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Quarterly

***Local Land Records***

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/06/2010
Date Data Arrived at EDR: 05/11/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 03/07/2011
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: 04/06/2010
Date Data Arrived at EDR: 04/07/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 50

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/05/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Annually

SPILLS: Emergency Response Database

Incidents reported to the Emergency Response Unit. The focus of the ER program is to minimize the impact on the environment from accidental releases, spills, and unauthorized discharges from any fixed or mobile sources. Incidents involving petroleum products, hazardous materials, hazardous waste, abandoned drums, or other materials which may pose as a pollution threat to the state?s water, land, or air should be reported immediately. Not all incidents included in the database are actual SPILLS, they can simply be reported incidents.

Date of Government Version: 08/19/2010
Date Data Arrived at EDR: 08/23/2010
Date Made Active in Reports: 09/20/2010
Number of Days to Update: 28

Source: Ohio EPA
Telephone: 614-644-2084
Last EDR Contact: 11/15/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Varies

***Other Ascertainable Records***

RCRA-NonGen: RCRA - Non Generators

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

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/07/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

Date of Government Version: 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 Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
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: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 03/28/2011
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: 07/01/2010
Date Data Arrived at EDR: 08/11/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 113

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2011
Next Scheduled EDR Contact: 04/18/2011
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: 06/01/2010
Date Data Arrived at EDR: 06/16/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 62

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
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: 12/14/2009
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 5

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/29/2010
Next Scheduled EDR Contact: 03/14/2011
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: 08/04/2010
Date Data Arrived at EDR: 09/09/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/09/2010
Next Scheduled EDR Contact: 03/21/2011
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: 12/17/2010
Next Scheduled EDR Contact: 03/14/2011
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: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/29/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/29/2010
Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/29/2010
Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008
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: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
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: 04/24/2010
Date Data Arrived at EDR: 04/29/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 12/23/2010
Next Scheduled EDR Contact: 04/11/2011
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: 02/01/2010
Date Data Arrived at EDR: 04/22/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 109

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 11/10/2010
Next Scheduled EDR Contact: 01/31/2011
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: 03/18/2010
Date Data Arrived at EDR: 04/06/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 51

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/13/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/14/2010
Next Scheduled EDR Contact: 01/24/2011
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: 04/14/2010
Date Data Arrived at EDR: 04/16/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 41

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 05/12/2010
Number of Days to Update: 76

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/30/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Biennially

TOWNGAS: DERR Towngas Database

The database includes 82 very old sites (circa 1895) which produced gas from coal for street lighting. Most visual evidence of these sites has disappeared, however the potential for buried coal tar remains. The database is no longer in active use.

Date of Government Version: 07/28/1992
Date Data Arrived at EDR: 02/21/2003
Date Made Active in Reports: 03/05/2003
Number of Days to Update: 12

Source: Ohio EPA
Telephone: 614-644-3749
Last EDR Contact: 02/12/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UIC: Underground Injection Wells Listing
A listing of underground injection well locations.

Date of Government Version: 08/24/2010
Date Data Arrived at EDR: 08/24/2010
Date Made Active in Reports: 09/20/2010
Number of Days to Update: 27

Source: Ohio EPA
Telephone: 614-644-2752
Last EDR Contact: 11/15/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing
A listing of drycleaner facility locations.

Date of Government Version: 10/04/2010
Date Data Arrived at EDR: 10/05/2010
Date Made Active in Reports: 10/29/2010
Number of Days to Update: 24

Source: Ohio EPA
Telephone: 614-644-3469
Last EDR Contact: 01/03/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

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

Date of Government Version: 08/02/2010
Date Data Arrived at EDR: 08/18/2010
Date Made Active in Reports: 09/20/2010
Number of Days to Update: 33

Source: Ohio EPA
Telephone: 614-644-2031
Last EDR Contact: 11/17/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Semi-Annually

AIRS: Title V Permits Listing
A listing of Title V Permits issued by the Division of Air Pollution Control. It is a federal operating permit program adopted and implemented by the state. The basic program elements typically specify that major sources will submit an operating application to the specified state environmental regulatory agency according to a schedule.

Date of Government Version: 10/04/2010
Date Data Arrived at EDR: 10/05/2010
Date Made Active in Reports: 10/29/2010
Number of Days to Update: 24

Source: Ohio EPA
Telephone: 614-644-2270
Last EDR Contact: 12/29/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Varies

USD: Urban Setting Designation Sites
A USD may be requested for properties participating in the VAP when there is no current or future use of the ground water by local residents for drinking, showering, bathing or cooking. In these areas, an approved USD would lower the cost of cleanup and promote economic redevelopment while still protecting public health and safety. If these USDs were to be approved, the ground water cleanup or response requirements for the areas could be lessened. The Ohio EPA director may approve a USD request based on a demonstration that the USD requirements are met and an evaluation of existing and future uses of ground water in the area. The Ohio EPA director's decision on approval or denial of the request is needed before cleanup requirements for the site can be determined.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 08/19/2010
Date Made Active in Reports: 09/20/2010
Number of Days to Update: 32

Source: Ohio EPA
Telephone: 614-644-3749
Last EDR Contact: 11/15/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Varies

HIST USD: Urban Setting Designations Database
A USD may be requested for properties participating in the VAP when there is no current or future use of the ground water by local residents for drinking, showering, bathing or cooking. In these areas, an approved USD would lower the cost of cleanup and promote economic redevelopment while still protecting public health and safety. If these USDs were to be approved, the ground water cleanup or response requirements for the areas could be lessened. The Ohio EPA director may approve a USD request based on a demonstration that the USD requirements are met and an evaluation of existing and future uses of ground water in the area. The Ohio EPA director's decision on approval or denial of the request is needed before cleanup requirements for the site can be determined. This database is no longer updated or maintained by the state agency.

Date of Government Version: 05/10/2005
Date Data Arrived at EDR: 04/25/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 16

Source: Ohio EPA
Telephone: 614-644-3749
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
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: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 02/07/2011
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
Date Data Arrived at EDR: 12/18/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/21/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/10/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

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

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

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Varies

FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 10/20/2010
Date Data Arrived at EDR: 10/21/2010
Date Made Active in Reports: 10/29/2010
Number of Days to Update: 8

Source: Ohio EPA
Telephone: 614-644-2955
Last EDR Contact: 10/18/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 01/23/2009
Date Data Arrived at EDR: 06/26/2009
Date Made Active in Reports: 07/06/2009
Number of Days to Update: 10

Source: Ohio EPA
Telephone: 614-644-2134
Last EDR Contact: 10/19/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: N/A

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

Date of Government Version: 03/31/2010
Date Data Arrived at EDR: 05/21/2010
Date Made Active in Reports: 06/04/2010
Number of Days to Update: 14

Source: Ohio EPA
Telephone: 614-644-3065
Last EDR Contact: 11/16/2010
Next Scheduled EDR Contact: 02/28/2011
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: 12/01/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/22/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/19/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/28/2010
Date Data Arrived at EDR: 11/09/2010
Date Made Active in Reports: 12/17/2010
Number of Days to Update: 38

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
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: 717-783-8990
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/19/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 38

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/29/2010
Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 03/29/2010
Date Data Arrived at EDR: 05/14/2010
Date Made Active in Reports: 06/22/2010
Number of Days to Update: 39

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/25/2010
Next Scheduled EDR Contact: 02/07/2011
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 20

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/16/2010
Next Scheduled EDR Contact: 04/04/2011
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: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Child Day Care Facilities
Source: Department of Job & Family Services
Telephone: 614-466-6282

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Natural Resources
Telephone: 614-265-1044

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**STREET AND ADDRESS INFORMATION**

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# GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

**TARGET PROPERTY ADDRESS**

MANSFIELD STAMPING PLANT
2525 W 4TH STREET
MANSFIELD, OH 44906

**TARGET PROPERTY COORDINATES**

| | |
|---|---|
| Latitude (North): | 40.76990 - 40° 46' 11.6'' |
| Longitude (West): | 82.6042 - 82° 36' 15.1'' |
| Universal Tranverse Mercator: | Zone 17 |
| UTM X (Meters): | 364610.0 |
| UTM Y (Meters): | 4514240.5 |
| Elevation: | 1394 ft. above sea level |

**USGS TOPOGRAPHIC MAP**

| | |
|---|---|
| Target Property Map: | 40082-G5 MANSFIELD NORTH, OH |
| Most Recent Revision: | 1982 |
| | |
| West Map: | 40082-G6 CRESTLINE, OH |
| Most Recent Revision: | 1982 |

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).

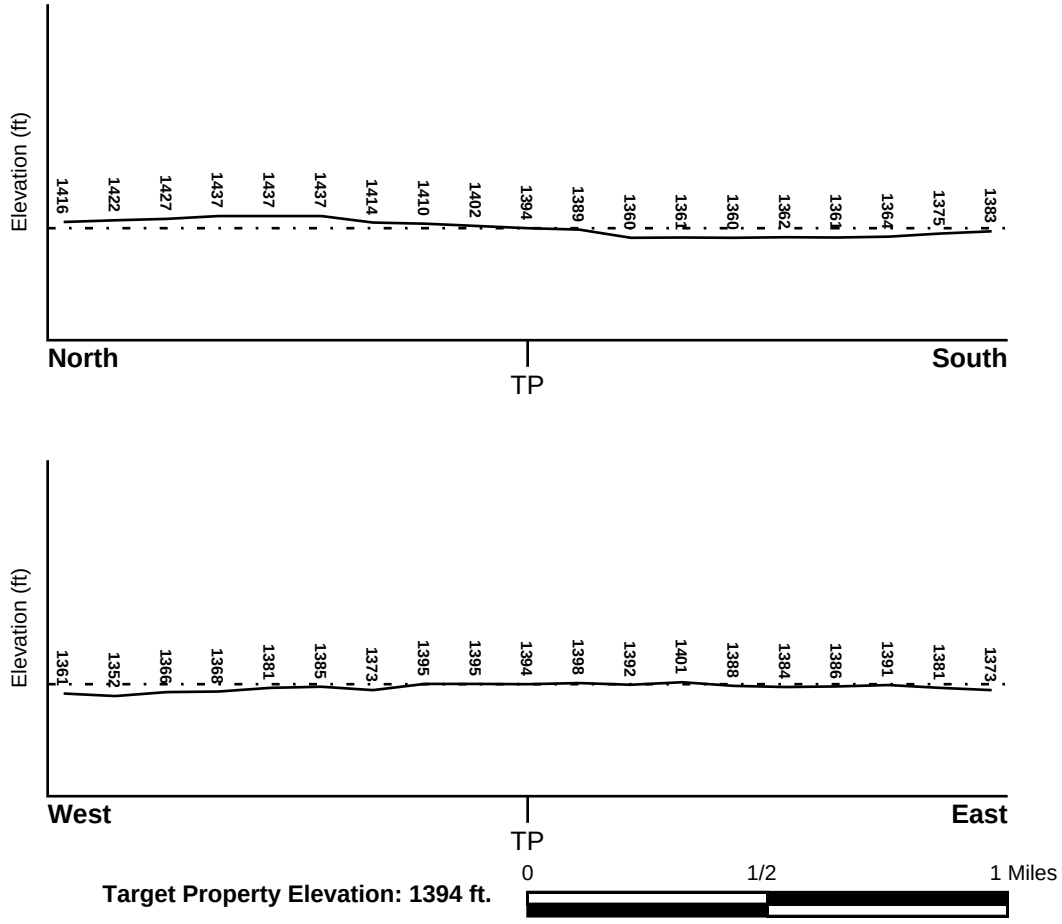
**TOPOGRAPHIC INFORMATION**

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 South

**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 | FEMA Flood Electronic Data |
|---|---|
| RICHLAND, OH | Not Available |

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

**NATIONAL WETLAND INVENTORY**

| NWI Quad at Target Property | NWI Electronic Data Coverage |
|---|---|
| MANSFIELD NORTH | YES - refer to the Overview Map and Detail Map |

**HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

**AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| MAP ID | LOCATION FROM TP | GENERAL DIRECTION GROUNDWATER FLOW |
|---|---|---|
| Not Reported | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

**ROCK STRATIGRAPHIC UNIT**

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

**GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

**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: | RITTMAN |
| Soil Surface Texture: | silt loam |
| Hydrologic Group: | Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures. |
| Soil Drainage Class: | Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet. |

Hydric Status: Soil does not meet the requirements for a hydric soil.

| | |
|---|---|
| Corrosion Potential - Uncoated Steel: | HIGH |
| Depth to Bedrock Min: | > 60 inches |
| Depth to Bedrock Max: | > 60 inches |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | Permeability Rate (in/hr) | Soil Reaction (pH) |
| 1 | 0 inches | 14 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 2.00<br>Min: 0.60 | Max: 7.30<br>Min: 3.60 |
| 2 | 14 inches | 26 inches | clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 2.00<br>Min: 0.60 | Max: 5.50<br>Min: 3.60 |
| 3 | 26 inches | 47 inches | clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 0.20<br>Min: 0.06 | Max: 7.30<br>Min: 4.50 |
| 4 | 47 inches | 60 inches | clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 0.60<br>Min: 0.06 | Max: 7.80<br>Min: 5.60 |

**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: No Other Soil Types

Surficial Soil Types: No Other Soil Types

Shallow Soil Types: silty clay loam

Deeper Soil Types: stratified
silt loam

**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**

| DATABASE | SEARCH DISTANCE (miles) |
|---|---|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

**FEDERAL USGS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| No Wells Found | | |

**FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| D15 | OH7003512 | 1/2 - 1 Mile ESE |

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

**STATE DATABASE WELL INFORMATION**

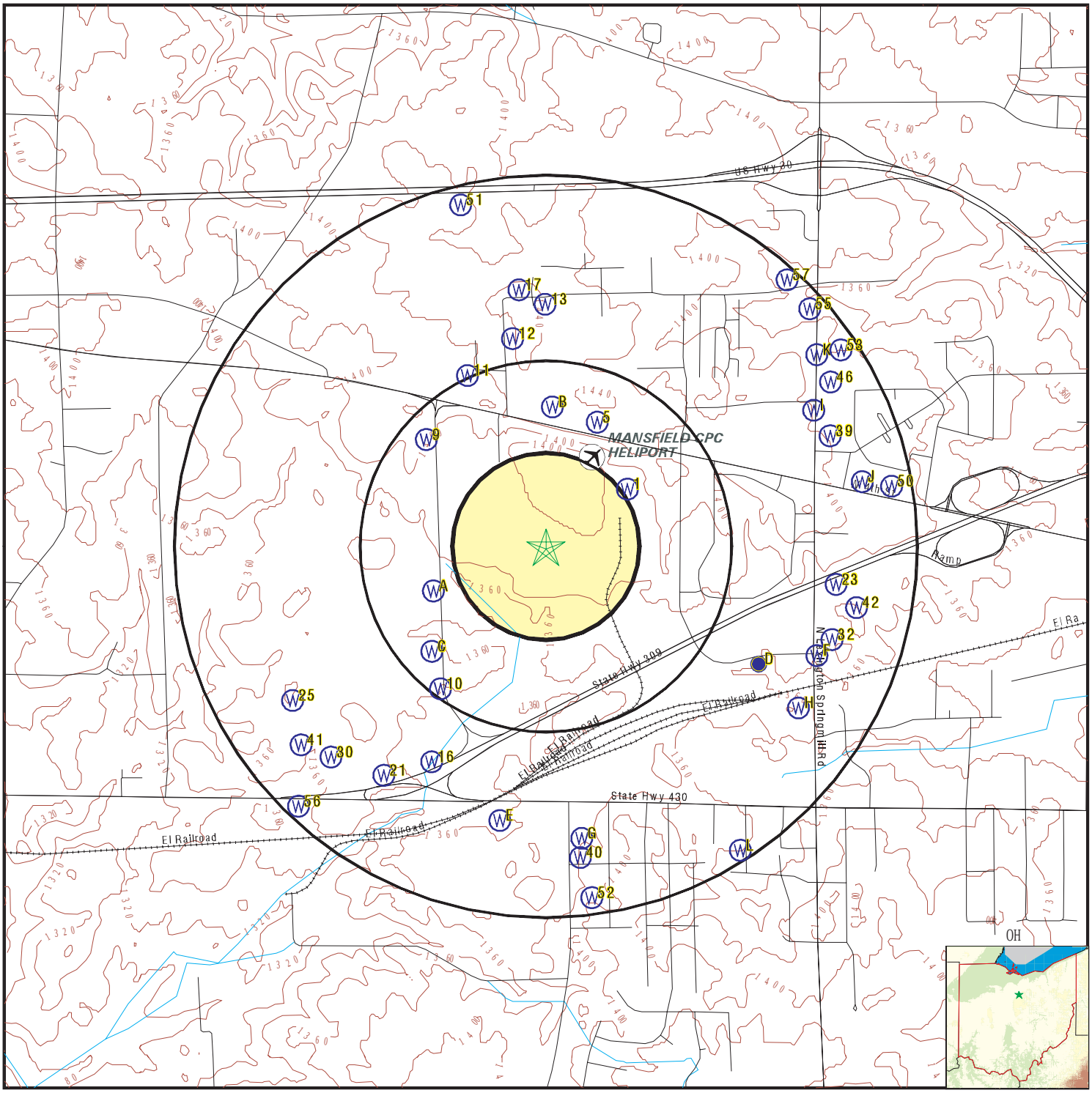
| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| 1 | OHD500000786280 | 1/4 - 1/2 Mile NE |
| A2 | OHD500000365666 | 1/4 - 1/2 Mile WSW |
| A3 | OHD500000368747 | 1/4 - 1/2 Mile WSW |
| B4 | OHD500000754377 | 1/4 - 1/2 Mile North |
| 5 | OHD500000365667 | 1/4 - 1/2 Mile NNE |
| B6 | OHD500000754385 | 1/4 - 1/2 Mile North |
| C7 | OHD500000579466 | 1/4 - 1/2 Mile SW |
| C8 | OHD500000775681 | 1/4 - 1/2 Mile SW |
| 9 | OHD500000671654 | 1/4 - 1/2 Mile NW |
| 10 | OHD500000368749 | 1/4 - 1/2 Mile SW |
| 11 | OHD500000362882 | 1/2 - 1 Mile NNW |
| 12 | OHD500000373980 | 1/2 - 1 Mile North |
| 13 | OHD500000786983 | 1/2 - 1 Mile North |
| D14 | OHWT30000002558 | 1/2 - 1 Mile ESE |
| 16 | OHD500000368753 | 1/2 - 1 Mile SSW |
| 17 | OHD500000774897 | 1/2 - 1 Mile North |
| E18 | OHD500000368762 | 1/2 - 1 Mile South |
| E19 | OHD500000368763 | 1/2 - 1 Mile South |
| F20 | OHD500000361458 | 1/2 - 1 Mile ESE |
| 21 | OHD500000716168 | 1/2 - 1 Mile SW |
| G22 | OHD500000375359 | 1/2 - 1 Mile South |
| 23 | OHD500000361447 | 1/2 - 1 Mile East |
| H24 | OHPW50000004045 | 1/2 - 1 Mile SE |
| 25 | OHD500000786284 | 1/2 - 1 Mile WSW |
| G26 | OHD500000375358 | 1/2 - 1 Mile South |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| I27 | OHD500000368739 | 1/2 - 1 Mile ENE |
| H28 | OHPW50000004044 | 1/2 - 1 Mile SE |
| H29 | OHD500000777132 | 1/2 - 1 Mile ESE |
| 30 | OHD500000368752 | 1/2 - 1 Mile SW |
| H31 | OHPW50000004046 | 1/2 - 1 Mile ESE |
| 32 | OHD500000368746 | 1/2 - 1 Mile ESE |
| G33 | OHD500000362878 | 1/2 - 1 Mile South |
| I34 | OHD500000754367 | 1/2 - 1 Mile ENE |
| H35 | OHD500000754396 | 1/2 - 1 Mile ESE |
| I36 | OHD500000362886 | 1/2 - 1 Mile ENE |
| H37 | OHD500000368748 | 1/2 - 1 Mile ESE |
| F38 | OHD500000368744 | 1/2 - 1 Mile ESE |
| 39 | OHD500000777138 | 1/2 - 1 Mile ENE |
| 40 | OHD500000375357 | 1/2 - 1 Mile South |
| 41 | OHD500000668121 | 1/2 - 1 Mile SW |
| 42 | OHD500000362156 | 1/2 - 1 Mile East |
| J43 | OHD500000368741 | 1/2 - 1 Mile ENE |
| K44 | OHD500000662203 | 1/2 - 1 Mile NE |
| J45 | OHD500000368742 | 1/2 - 1 Mile East |
| 46 | OHD500000375360 | 1/2 - 1 Mile ENE |
| K47 | OHD500000368738 | 1/2 - 1 Mile NE |
| K48 | OHD500000754395 | 1/2 - 1 Mile ENE |
| K49 | OHD500000786990 | 1/2 - 1 Mile NE |
| 50 | OHD500000676337 | 1/2 - 1 Mile East |
| 51 | OHD500000784223 | 1/2 - 1 Mile NNW |
| 52 | OHD500000362128 | 1/2 - 1 Mile South |
| 53 | OHD500000373977 | 1/2 - 1 Mile ENE |
| L54 | OHD500000374660 | 1/2 - 1 Mile SSE |
| 55 | OHD500000368737 | 1/2 - 1 Mile NE |
| 56 | OHD500000362124 | 1/2 - 1 Mile SW |
| 57 | OHD500000373981 | 1/2 - 1 Mile NE |
| L58 | OHD500000786277 | 1/2 - 1 Mile SSE |

# PHYSICAL SETTING SOURCE MAP - 2959580.2s




County Boundary
Major Roads
Contour Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location

| | |
|---|---|
| SITE NAME: Mansfield Stamping Plant<br>ADDRESS: 2525 W 4th Street<br>Mansfield OH 44906<br>LAT/LONG: 40.7699 / 82.6042 | CLIENT: Tetra Tech EM, Inc.<br>CONTACT: Vicky Farmer<br>INQUIRY #: 2959580.2s<br>DATE: January 05, 2011 4:30 pm |

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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| | Database | EDR ID Number |
|---|---|---|
| **1**<br>**NE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **OH WELLS** | **OHD500000786280** |

| | | | |
|---|---|---|---|
| Well log n: | 165242 | | |
| Well type : | W | | |
| End user i: | 1820 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | Not Reported | Orig own 1: | GENERAL MOTORS |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SHA |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 238 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 30 N | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1972233.29 | | |
| Horiz y: | 1009731.83 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1397.32 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.772078 | | |
| Longitude: | -82.600117 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 0 | | |
| Draw down: | 5 | | |
| S water le: | 125 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 220 | | |
| Date of co: | 06/28/1956 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |

| | | | |
|---|---|---|---|
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1272 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000786280 | | |

---

**A2**
**WSW**
**1/4 - 1/2 Mile**
**Lower**

**OH WELLS** **OHD500000365666**

| | | | |
|---|---|---|---|
| Well log n: | 390193 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | THOMAS | Orig own 1: | BAKER |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 237 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | BEER | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1969473.58 | | |
| Horiz y: | 1008460.37 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1370 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.76858 | | |
| Longitude: | -82.610072 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 12 | | |
| Draw down: | 15 | | |
| S water le: | 100 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |

| | | | |
|---|---|---|---|
| Total dept: | 295 | | |
| Date of co: | 10/18/1969 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1270 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000365666 | | |

---

**A3**
**WSW** **OH WELLS** **OHD500000368747**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well log n: | 395640 | | |
| Well type : | W | | |
| End user i: | 1003 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | W | Orig own 1: | SWINNEY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SGR |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 389 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 22 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | BEER | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1969473.6 | | |
| Horiz y: | 1008113.27 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1366.64 | | |
| Vert acc: | 0 | | |

| | | | |
|---|---|---|---|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.767628 | | |
| Longitude: | -82.610071 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 12 | | |
| Draw down: | 15 | | |
| S water le: | 100 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 285 | | |
| Date of co: | 11/01/1972 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1267 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368747 | | |

---

**B4**
**North**
**1/4 - 1/2 Mile**
**Higher**

**OH WELLS** **OHD500000754377**

| | | | |
|---|---|---|---|
| Well log n: | 154875 | | |
| Well type : | W | | |
| End user i: | 1820 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | HAROLD | Orig own 1: | STULL |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 160 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | W | | |
| St no: | 2492 | | |
| St name: | 4TH | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

| | | | |
|---|---|---|---|
| Zone code: | S | | |
| Horiz x: | 1971263.98 | | |
| Horiz y: | 1010751.08 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1430.41 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.774872 | | |
| Longitude: | -82.60362 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 0 | | |
| Draw down: | 0 | | |
| S water le: | 150 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 200 | | |
| Date of co: | 06/29/1955 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1280 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000754377 | | |

---

**5**
**NNE**
**1/4 - 1/2 Mile**
**Higher**

**OH WELLS** **OHD500000365667**

| | | | |
|---|---|---|---|
| Well log n: | 335452 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | RUTH | Orig own 1: | HAYNES |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 240 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

| | | | |
|---|---|---|---|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 30 N | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1971805.13 | | |
| Horiz y: | 1010684.08 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1429.98 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.77469 | | |
| Longitude: | -82.601666 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 0 | | |
| S water le: | 165 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 220 | | |
| Date of co: | 06/05/1965 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1265 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000365667 | | |

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**B6**
**North**
**1/4 - 1/2 Mile**
**Higher**

**OH WELLS** **OHD500000754385**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Well log n: | 322020 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | Not Reported | Orig own 1: | UNITED AUTO WORKERS |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 239 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 15 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1971071.92 | | |
| Horiz y: | 1011054.16 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1431.7 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.775703 | | |
| Longitude: | -82.604314 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 25 | | |
| Draw down: | 10 | | |
| S water le: | 160 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 230 | | |
| Date of co: | 11/14/1964 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1272 | | |

| | | | |
|---|---|---|---|
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000754385 | | |

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**C7**
**SW**
**1/4 - 1/2 Mile**
**Lower**

**OH WELLS** **OHD500000579466**

| | | | |
|---|---|---|---|
| Well log n: | 854412 | | |
| Well type : | W | | |
| End user i: | 916 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | RALPH | Orig own 1: | RIDENOUR |
| Drill type: | R | Test type : | Not Reported |
| Well use c: | PWS | Aquifer ty: | SST |
| Loc map ye: | Not Reported | Loc area: | Not Reported |
| Loc no: | 0 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 15 | | |
| St dir cod: | Not Reported | | |
| St no: | 535 | | |
| St name: | BEER | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1969406.6 | | |
| Horiz y: | 1007531.15 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 0 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.76603 | | |
| Longitude: | -82.61031 | | |
| Source of : | GPS | Flowing we: | N |
| Test rate: | 40 | | |
| Draw down: | 0 | | |
| S water le: | 80 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 258 | | |
| Date of co: | 03/20/1997 | Located in: | Not Reported |
| Assoc rpt : | Y | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |

| | | | |
|---|---|---|---|
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000579466 | | |

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**C8**
**SW**
**1/4 - 1/2 Mile**
**Lower**

**OH WELLS** **OHD500000775681**

| | | | |
|---|---|---|---|
| Well log n: | 338270 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | RALPH | Orig own 1: | RIDENOUR |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 391 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 22 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | BEER | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1969492.23 | | |
| Horiz y: | 1007323.33 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1360 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.76546 | | |
| Longitude: | -82.61 | | |
| Source of : | GPS | Flowing we: | N |
| Test rate: | 18 | | |
| Draw down: | 0 | | |
| S water le: | 95 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |

| | | | |
|---|---|---|---|
| Total dept: | 240 | | |
| Date of co: | 01/29/1966 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1265 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000775681 | | |

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**9**
**NW**
**1/4 - 1/2 Mile**
**Higher**

**OH WELLS** **OHD500000671654**

| | | | |
|---|---|---|---|
| Well log n: | 322016 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | Not Reported | Orig own 1: | BENDER & LOUDON MOTO |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 236 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 15 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | BEER | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1969375.47 | | |
| Horiz y: | 1010440.91 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1402.76 | | |
| Vert acc: | 0 | | |

| | | | |
|---|---|---|---|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.774015 | | |
| Longitude: | -82.610435 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 12 | | |
| Draw down: | 7 | | |
| S water le: | 135 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 260 | | |
| Date of co: | 11/14/1964 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1268 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000671654 | | |

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**10**
**SW**
**1/4 - 1/2 Mile**
**Lower**

**OH WELLS** **OHD500000368749**

| | | | |
|---|---|---|---|
| Well log n: | 316503 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | TOM | Orig own 1: | BAKER |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 392 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 22 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | BEER | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

| | | | |
|---|---|---|---|
| Zone code: | S | | |
| Horiz x: | 1969571.67 | | |
| Horiz y: | 1006893.94 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1360 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.764282 | | |
| Longitude: | -82.609711 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 0 | | |
| S water le: | 95 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 230 | | |
| Date of co: | 08/08/1964 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1265 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368749 | | |

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**11**
**NNW**
**1/2 - 1 Mile**
**Higher**

**OH WELLS** **OHD500000362882**

| | | | |
|---|---|---|---|
| Well log n: | 86997 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | R | Orig own 1: | STOWELL |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | STR |
| Loc map ye: | 1945 | Loc area: | Not Reported |
| Loc no: | 1026 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

| | | | |
|---|---|---|---|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | N | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1969961.04 | | |
| Horiz y: | 1011349.99 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 0 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.776511 | | |
| Longitude: | -82.608325 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 0 | | |
| S water le: | 150 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 200 | | |
| Date of co: | 06/12/1952 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000362882 | | |

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**12**
**North**
**1/2 - 1 Mile**
**Higher**

**OH WELLS** **OHD500000373980**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Well log n: | 195056 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | CARL | Orig own 1: | FULMER |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1969 | Loc area: | Not Reported |
| Loc no: | 36 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1970602.75 | | |
| Horiz y: | 1011874.37 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1436.44 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.777952 | | |
| Longitude: | -82.606011 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 15 | | |
| S water le: | 152 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 200 | | |
| Date of co: | 10/12/1957 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1284 | | |

| | | | |
|---|---|---|---|
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000373980 | | |

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**13**
**North**
**1/2 - 1 Mile**
**Higher**

**OH WELLS** **OHD500000786983**

| | | | |
|---|---|---|---|
| Well log n: | 426225 | | |
| Well type : | W | | |
| End user i: | 1183 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | ART | Orig own 1: | BAKER |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 158 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 11 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | FERGESON | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1971065.86 | | |
| Horiz y: | 1012362.53 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1440 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.779293 | | |
| Longitude: | -82.604342 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 10 | | |
| Draw down: | 0 | | |
| S water le: | 170 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 210 | | |
| Date of co: | 04/08/1972 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |

| | | | |
|---|---|---|---|
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1270 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000786983 | | |

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**D14**
**ESE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHWT30000002558**

| | | | |
|---|---|---|---|
| County: | RICHLAND | Pwsid: | OH7003512 |
| Wtp num: | 6933 | Wtp name: | ONTARIO VILLAGE WTP STU 1 |
| Tp avail: | PERMANENT | Wtr type: | ground water |
| Wtpdsn cap: | 3500000 | | |
| Notreat in: | Not Reported | Wtr body n: | MAXCAP: 1536000 MGD; DSGN_CAP: 3500000 |
| Wtp status: | Active | Sys status: | Active |
| Sys name: | ONTARIO CITY PWS | Sys type: | Community |
| Src type: | ground water | First name: | CHARLES H |
| Last name: | AU | Title: | Not Reported |
| Address1: | 555 STUMBO RD | | |
| Address2: | PO BOX 166 | | |
| City: | ONTARIO | State: | OH |
| Zip: | 44862 | Phone: | Not Reported |
| Emg phone: | Not Reported | | |
| Latitude: | 40.765278 | | |
| Longitude: | -82.593333 | | |
| Accuracy: | 500 | | |
| Ll colmeth: | INTERPOLATION - MAP | | |
| Hdatum: | NAD 27 | | |
| Verify met: | VERIFIED, UNKNOWN METHOD | | |
| Site id: | OHWT30000002558 | | |

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**D15**
**ESE**
**1/2 - 1 Mile**
**Lower**

**FRDS PWS** **OH7003512**

| | | | |
|---|---|---|---|
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 36455 | | |
| Facility name: | Ontario Village WTP STU 1 | | |
| Facility type: | Treatment_plant | Treatment process: | permanganate |
| Treatment objective: | other | | |

| | | | |
|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 70560 | | |
| Facility name: | Ontario, City Of Distribution | | |
| Facility type: | Distribution_system_zone | Treatment process: | permanganate |
| Treatment objective: | other | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114368 | | |
| Facility name: | Ontario, Village Of WELL 0001 | | |
| Facility type: | Well | Treatment process: | permanganate |
| Treatment objective: | iron removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114370 | | |
| Facility name: | Ontario, Village Of WELL 0002 | | |
| Facility type: | Well | Treatment process: | permanganate |
| Treatment objective: | iron removal | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114372 | | |
| Facility name: | Ontario, Village Of WELL 0003 | | |
| Facility type: | Well | Treatment process: | permanganate |
| Treatment objective: | iron removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114374 | | |
| Facility name: | Ontario, Village Of WELL 0E01 | | |
| Facility type: | Well | Treatment process: | permanganate |
| Treatment objective: | iron removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114376 | | |
| Facility name: | Ontario, Village Of WELL 0E02 | | |
| Facility type: | Well | Treatment process: | permanganate |
| Treatment objective: | iron removal | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114378 | | |
| Facility name: | Ontario, City Of P01 | | |
| Facility type: | Sampling_station | Treatment process: | permanganate |
| Treatment objective: | iron removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
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| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114380 | | |
| Facility name: | Ontario, City Of P02 | | |
| Facility type: | Sampling_station | Treatment process: | permanganate |
| Treatment objective: | iron removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 128392 | | |
| Facility name: | Ontario Village STU 2 | | |
| Facility type: | Treatment_plant | Treatment process: | permanganate |
| Treatment objective: | iron removal | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 36455 | | |
| Facility name: | Ontario Village WTP STU 1 | | |
| Facility type: | Treatment_plant | Treatment process: | permanganate |
| Treatment objective: | iron removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 70560 | | |
| Facility name: | Ontario, City Of Distribution | | |
| Facility type: | Distribution_system_zone | Treatment process: | permanganate |
| Treatment objective: | iron removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114368 | | |
| Facility name: | Ontario, Village Of WELL 0001 | | |
| Facility type: | Well | Treatment process: | permanganate |
| Treatment objective: | manganese removal | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114370 | | |
| Facility name: | Ontario, Village Of WELL 0002 | | |
| Facility type: | Well | Treatment process: | permanganate |
| Treatment objective: | manganese removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114372 | | |
| Facility name: | Ontario, Village Of WELL 0003 | | |
| Facility type: | Well | Treatment process: | permanganate |
| Treatment objective: | manganese removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114374 | | |
| Facility name: | Ontario, Village Of WELL 0E01 | | |
| Facility type: | Well | Treatment process: | permanganate |
| Treatment objective: | manganese removal | | |

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| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
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| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
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| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114376 | | |
| Facility name: | Ontario, Village Of WELL 0E02 | | |
| Facility type: | Well | Treatment process: | permanganate |
| Treatment objective: | manganese removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114378 | | |
| Facility name: | Ontario, City Of P01 | | |
| Facility type: | Sampling_station | Treatment process: | permanganate |
| Treatment objective: | manganese removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 36455 | | |
| Facility name: | Ontario Village WTP STU 1 | | |
| Facility type: | Treatment_plant | Treatment process: | reducing agents |
| Treatment objective: | corrosion control | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
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| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 70560 | | |
| Facility name: | Ontario, City Of Distribution | | |
| Facility type: | Distribution_system_zone | Treatment process: | reducing agents |
| Treatment objective: | corrosion control | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114368 | | |
| Facility name: | Ontario, Village Of WELL 0001 | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114370 | | |
| Facility name: | Ontario, Village Of WELL 0002 | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
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| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114372 | | |
| Facility name: | Ontario, Village Of WELL 0003 | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
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| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114374 | | |
| Facility name: | Ontario, Village Of WELL 0E01 | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
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| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114376 | | |
| Facility name: | Ontario, Village Of WELL 0E02 | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
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| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
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| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114378 | | |
| Facility name: | Ontario, City Of P01 | | |
| Facility type: | Sampling_station | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
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| Pwsid: | OH7003512 | Epa region: | 05 |
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| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114380 | | |
| Facility name: | Ontario, City Of P02 | | |
| Facility type: | Sampling_station | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
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| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 128392 | | |
| Facility name: | Ontario Village STU 2 | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
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| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
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| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 36455 | | |
| Facility name: | Ontario Village WTP STU 1 | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
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| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
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| State: | OH | County: | Richland |
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| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 70560 | | |
| Facility name: | Ontario, City Of Distribution | | |
| Facility type: | Distribution_system_zone | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114368 | | |
| Facility name: | Ontario, Village Of WELL 0001 | | |
| Facility type: | Well | Treatment process: | fluoridation |
| Treatment objective: | other | | |

| | | | |
|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114370 | | |
| Facility name: | Ontario, Village Of WELL 0002 | | |
| Facility type: | Well | Treatment process: | fluoridation |
| Treatment objective: | other | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114372 | | |
| Facility name: | Ontario, Village Of WELL 0003 | | |
| Facility type: | Well | Treatment process: | fluoridation |
| Treatment objective: | other | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114374 | | |
| Facility name: | Ontario, Village Of WELL 0E01 | | |
| Facility type: | Well | Treatment process: | fluoridation |
| Treatment objective: | other | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114376 | | |
| Facility name: | Ontario, Village Of WELL 0E02 | | |
| Facility type: | Well | Treatment process: | fluoridation |
| Treatment objective: | other | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114378 | | |
| Facility name: | Ontario, City Of P01 | | |
| Facility type: | Sampling_station | Treatment process: | fluoridation |
| Treatment objective: | other | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114380 | | |
| Facility name: | Ontario, City Of P02 | | |
| Facility type: | Sampling_station | Treatment process: | fluoridation |
| Treatment objective: | other | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 128392 | | |
| Facility name: | Ontario Village STU 2 | | |
| Facility type: | Treatment_plant | Treatment process: | fluoridation |
| Treatment objective: | other | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114380 | | |
| Facility name: | Ontario, City Of P02 | | |
| Facility type: | Sampling_station | Treatment process: | permanganate |
| Treatment objective: | manganese removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 128392 | | |
| Facility name: | Ontario Village STU 2 | | |
| Facility type: | Treatment_plant | Treatment process: | permanganate |
| Treatment objective: | manganese removal | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 36455 | | |
| Facility name: | Ontario Village WTP STU 1 | | |
| Facility type: | Treatment_plant | Treatment process: | permanganate |
| Treatment objective: | manganese removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 70560 | | |
| Facility name: | Ontario, City Of Distribution | | |
| Facility type: | Distribution_system_zone | Treatment process: | permanganate |
| Treatment objective: | manganese removal | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114368 | | |
| Facility name: | Ontario, Village Of WELL 0001 | | |
| Facility type: | Well | Treatment process: | reducing agents |
| Treatment objective: | corrosion control | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114370 | | |
| Facility name: | Ontario, Village Of WELL 0002 | | |
| Facility type: | Well | Treatment process: | reducing agents |
| Treatment objective: | corrosion control | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114372 | | |
| Facility name: | Ontario, Village Of WELL 0003 | | |
| Facility type: | Well | Treatment process: | reducing agents |
| Treatment objective: | corrosion control | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114374 | | |
| Facility name: | Ontario, Village Of WELL 0E01 | | |
| Facility type: | Well | Treatment process: | reducing agents |
| Treatment objective: | corrosion control | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114376 | | |
| Facility name: | Ontario, Village Of WELL 0E02 | | |
| Facility type: | Well | Treatment process: | reducing agents |
| Treatment objective: | corrosion control | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114378 | | |
| Facility name: | Ontario, City Of P01 | | |
| Facility type: | Sampling_station | Treatment process: | reducing agents |
| Treatment objective: | corrosion control | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 114380 | | |
| Facility name: | Ontario, City Of P02 | | |
| Facility type: | Sampling_station | Treatment process: | reducing agents |
| Treatment objective: | corrosion control | | |

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|---|---|---|---|
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |
| | | | |
| Pwsid: | OH7003512 | Epa region: | 05 |
| State: | OH | County: | Richland |
| Pws name: | Ontario City PWS | | |
| Population Served: | 5303 | Pwssvcconn: | 2400 |
| PWS Source: | Groundwater | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Local_Govt |
| Facility id: | 128392 | | |
| Facility name: | Ontario Village STU 2 | | |
| Facility type: | Treatment_plant | Treatment process: | reducing agents |
| Treatment objective: | corrosion control | | |
| Contact name: | Tom Mills | | |
| Original name: | City of Ontario | | |
| Contact phone: | Not Reported | Contact address1: | 555 Stumbo Road |
| Contact address2: | P O Box 166 | | |
| Contact city: | Ontario | | |
| Contact zip: | 44862 | | |

| | | | |
|---|---|---|---|
| PWS ID: | OH7003512 | | |
| Date Initiated: | Not Reported | Date Deactivated: | Not Reported |
| PWS Name: | ONTARIO, VILLAGE OF<br>SUPERINTENDENT OF WATER<br>555 STUMBO RD,P.O.BOX 166<br>ONTARIO, OH 44862 | | |
| | | | |
| Addressee / Facility: | Not Reported | | |
| | | | |
| Facility Latitude: | 40 45 58.0000 | Facility Longitude: | 82 35 31.0000 |
| Facility Latitude: | 40 45 55.0000 | Facility Longitude: | 82 35 36.0000 |
| City Served: | Not Reported | | |
| Treatment Class: | Treated | Population: | 4200 |

Violations information not reported.

**ENFORCEMENT INFORMATION:**

| | | | |
|---|---|---|---|
| Truedate: | 03/31/2009 | Pwsid: | OH7003512 |
| Pwsname: | ONTARIO CITY PWS | | |
| Retpopsrvd: | 5280 | Pwstypecod: | C |
| Vioid: | 4857302 | Contaminant: | 7000 |
| Viol. Type: | CCR Inadequate Reporting | | |
| Complperbe: | 7/1/2002 0:00:00 | | |
| Complperen: | 7/9/2007 0:00:00 | Enfdate: | 8/14/2002 0:00:00 |
| Enf action: | State Violation/Reminder Notice | | |
| Violmeasur: | Not Reported | | |
| | | | |
| Truedate: | 03/31/2009 | Pwsid: | OH7003512 |
| Pwsname: | ONTARIO CITY PWS | | |
| Retpopsrvd: | 5280 | Pwstypecod: | C |
| Vioid: | 4857302 | Contaminant: | 7000 |
| Viol. Type: | CCR Inadequate Reporting | | |
| Complperbe: | 7/1/2002 0:00:00 | | |
| Complperen: | 7/9/2007 0:00:00 | Enfdate: | 7/9/2007 0:00:00 |
| Enf action: | State Compliance Achieved | | |
| Violmeasur: | Not Reported | | |

**ENFORCEMENT INFORMATION:**

| | | | |
|---|---|---|---|
| System Name: | Ontario City PWS | | |
| Violation Type: | CCR Inadequate Reporting | | |
| Contaminant: | 7000 | | |
| Compliance Period: | 7/1/2002 0:00:00 - 12/31/2025 0:00:00 | | |
| Violation ID: | 148573 | | |
| Enforcement Date: | 8/14/2002 0:00:00 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO CITY PWS | | |
| Violation Type: | CCR Inadequate Reporting | | |
| Contaminant: | 7000 | | |
| Compliance Period: | 7/1/2002 0:00:00 - 12/31/2025 0:00:00 | | |
| Violation ID: | 4857302 | | |
| Enforcement Date: | 8/14/2002 0:00:00 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | ASBESTOS | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511319 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | ASBESTOS | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511319 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | ASBESTOS | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511319 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | ASBESTOS | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511319 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | ARSENIC | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511605 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | ARSENIC | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511605 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | ARSENIC | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511605 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |

**ENFORCEMENT INFORMATION:**

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|---|---|---|---|
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | ARSENIC | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511605 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | BARIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511606 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | BARIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511606 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | BARIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511606 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | BARIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511606 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | CADMIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511607 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | CADMIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511607 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | CADMIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511607 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | CADMIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511607 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |

**ENFORCEMENT INFORMATION:**

| | | | |
|---|---|---|---|
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | CHROMIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511608 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | CHROMIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511608 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | CHROMIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511608 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | CHROMIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511608 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | CYANIDE | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511609 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | CYANIDE | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511609 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | CYANIDE | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511609 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | CYANIDE | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511609 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | FLUORIDE | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511610 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |

**ENFORCEMENT INFORMATION:**

| | | | |
|---|---|---|---|
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | FLUORIDE | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511610 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | FLUORIDE | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511610 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | FLUORIDE | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511610 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | MERCURY | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511611 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | MERCURY | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511611 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | MERCURY | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511611 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | MERCURY | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511611 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | NICKEL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511612 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | NICKEL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511612 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |

**ENFORCEMENT INFORMATION:**

| | | | |
|---|---|---|---|
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | NICKEL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511612 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | NICKEL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511612 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | SELENIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511613 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | SELENIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511613 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | SELENIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511613 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | SELENIUM | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511613 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | ANTIMONY, TOTAL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511614 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | ANTIMONY, TOTAL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511614 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | ANTIMONY, TOTAL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511614 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |

**ENFORCEMENT INFORMATION:**

| | | | |
|---|---|---|---|
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | ANTIMONY, TOTAL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511614 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | BERYLLIUM, TOTAL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511615 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | BERYLLIUM, TOTAL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511615 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | BERYLLIUM, TOTAL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511615 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | BERYLLIUM, TOTAL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511615 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | THALLIUM, TOTAL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511616 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | THALLIUM, TOTAL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511616 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | THALLIUM, TOTAL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511616 | | |
| Enforcement Date: | 1995-10-04 | Enf. Action: | State Public Notif Requested |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | THALLIUM, TOTAL | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9511616 | | |
| Enforcement Date: | 1995-10-12 | Enf. Action: | State Public Notif Received |

**ENFORCEMENT INFORMATION:**

| | | | |
|---|---|---|---|
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | GROSS ALPHA, EXCL. RADON & U | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9512060 | | |
| Enforcement Date: | 1995-07-21 | Enf. Action: | State Compliance Achieved |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | GROSS ALPHA, EXCL. RADON & U | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9512060 | | |
| Enforcement Date: | 1995-10-17 | Enf. Action: | State Violation/Reminder Notice |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | GROSS ALPHA, EXCL. RADON & U | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9512060 | | |
| Enforcement Date: | 1995-10-17 | Enf. Action: | State Public Notif Requested |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Regular | | |
| Contaminant: | GROSS ALPHA, EXCL. RADON & U | | |
| Compliance Period: | 1995-01-01 - 1995-06-30 | | |
| Violation ID: | 9512060 | | |
| Enforcement Date: | 1995-10-17 | Enf. Action: | State Public Notif Received |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Routine Minor (TCR) | | |
| Contaminant: | COLIFORM (TCR) | | |
| Compliance Period: | 1998-01-01 - 1998-01-31 | | |
| Violation ID: | 98016762 | | |
| Enforcement Date: | 1998-03-02 S | Enf. Action: | IA |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Routine Minor (TCR) | | |
| Contaminant: | COLIFORM (TCR) | | |
| Compliance Period: | 1998-01-01 - 1998-01-31 | | |
| Violation ID: | 98016762 | | |
| Enforcement Date: | 1998-03-02 S | Enf. Action: | IE |
| System Name: | ONTARIO, VILLAGE OF | | |
| Violation Type: | Monitoring, Routine Minor (TCR) | | |
| Contaminant: | COLIFORM (TCR) | | |
| Compliance Period: | 1998-01-01 - 1998-01-31 | | |
| Violation ID: | 98016762 | | |
| Enforcement Date: | 1998-04-07 S | Enf. Action: | IF |

**CONTACT INFORMATION:**

| | | | |
|---|---|---|---|
| Name: | ONTARIO CITY PWS | Population: | 5280 |
| Contact: | AU, CHARLES H | Phone: | Not Reported |
| Address: | 555 STUMBO RD | | |
| Address 2: | PO BOX 166 | | |
| | ONTARIO, OH 44862 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | | | Database | EDR ID Number |
|---|---|---|---|---|
| **16<br>SSW<br>1/2 - 1 Mile<br>Lower** | | | **OH WELLS** | **OHD500000368753** |

| | | | |
|---|---|---|---|
| Well log n: | 140110 | | |
| Well type : | W | | |
| End user i: | 1730 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | D | Orig own 1: | GORDON |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | GRA |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 399 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 22 | | |
| St dir cod: | S | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1969444.68 | | |
| Horiz y: | 1005856.65 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1350.98 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.761435 | | |
| Longitude: | -82.610165 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 8 | | |
| Draw down: | 0 | | |
| S water le: | 55 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 79 | | |
| Date of co: | 10/09/1954 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |

| | | | |
|---|---|---|---|
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1296 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368753 | | |

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**17**
**North**
**1/2 - 1 Mile**
**Higher**

**OH WELLS** **OHD500000774897**

| | | | |
|---|---|---|---|
| Well log n: | 304749 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | LESTER | Orig own 1: | AUCK |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1969 | Loc area: | Not Reported |
| Loc no: | 37 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | FURGUSON | St type co: | DR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1970693.75 | | |
| Horiz y: | 1012567.56 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1440 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.779855 | | |
| Longitude: | -82.605686 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 13 | | |
| S water le: | 159 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |

| | | | |
|---|---|---|---|
| Total dept: | 200 | | |
| Date of co: | 12/31/1963 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1281 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000774897 | | |

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**E18**
**South**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000368762**

| | | | |
|---|---|---|---|
| Well log n: | 316588 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | WILLIAM | Orig own 1: | JOYCE |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 410 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 26 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | FRAZIER | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1970412.98 | | |
| Horiz y: | 1005019.46 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1360 | | |
| Vert acc: | 0 | | |

| | | | |
|---|---|---|---|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.759141 | | |
| Longitude: | -82.606667 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 6 | | |
| S water le: | 86 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 145 | | |
| Date of co: | 07/11/1964 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1274 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368762 | | |

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**E19**
**South**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000368763**

| | | | |
|---|---|---|---|
| Well log n: | 110588 | | |
| Well type : | W | | |
| End user i: | 1730 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | ARLIN | Orig own 1: | SCOTT |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 410 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 21 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

| | | | |
|---|---|---|---|
| Zone code: | S | | |
| Horiz x: | 1970412.98 | | |
| Horiz y: | 1005019.46 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1360 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.759141 | | |
| Longitude: | -82.606667 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 10 | | |
| S water le: | 100 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 133 | | |
| Date of co: | 10/19/1953 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1260 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368763 | | |

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**F20**
**ESE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000361458**

| | | | |
|---|---|---|---|
| Well log n: | 2129 | | |
| Well type : | W | | |
| End user i: | 922 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | DALE | Orig own 1: | BRYAN |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1945 | Loc area: | Not Reported |
| Loc no: | 441 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

| | | | |
|---|---|---|---|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 23 | | |
| St dir cod: | W | | |
| St no: | 0 | | |
| St name: | LAWN | St type co: | DR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1974744.39 | | |
| Horiz y: | 1007386.24 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 0 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.765649 | | |
| Longitude: | -82.591044 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 16 | | |
| Draw down: | 0 | | |
| S water le: | 80 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 114 | | |
| Date of co: | 10/07/1946 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000361458 | | |

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**21**
**SW**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000716168**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Well log n: | 218020 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | ROBERT | Orig own 1: | BEER |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SGR |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 398 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 22 | | |
| St dir cod: | S | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1968765.51 | | |
| Horiz y: | 1005664.57 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1365.89 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.760906 | | |
| Longitude: | -82.612615 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 2 | | |
| S water le: | 83 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 222 | | |
| Date of co: | 10/04/1958 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1283 | | |

| | | | |
|---|---|---|---|
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000716168 | | |

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**G22**
**South**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000375359**

| | | | |
|---|---|---|---|
| Well log n: | 221462 | | |
| Well type : | W | | |
| End user i: | 2206 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | PAUL | Orig own 1: | JASINSKI |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | ROC |
| Loc map ye: | 1969 | Loc area: | Not Reported |
| Loc no: | 111 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 26 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1971537.29 | | |
| Horiz y: | 1004899.48 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1370.17 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.758815 | | |
| Longitude: | -82.602609 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 11 | | |
| Draw down: | 20 | | |
| S water le: | 110 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 243 | | |
| Date of co: | 07/01/1958 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |

| | | | |
|---|---|---|---|
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1260 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000375359 | | |

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**23**
**East**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000361447**

| | | | |
|---|---|---|---|
| Well log n: | 32824 | | |
| Well type : | W | | |
| End user i: | 922 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | HARRY | Orig own 1: | SHULY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1945 | Loc area: | Not Reported |
| Loc no: | 351 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 24 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | SPRINGMILL | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1975198.79 | | |
| Horiz y: | 1008373.86 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 0 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.76836 | | |
| Longitude: | -82.589408 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 10 | | |
| Draw down: | 0 | | |
| S water le: | 140 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |

| | | | |
|---|---|---|---|
| Total dept: | 179 | | |
| Date of co: | 05/10/1948 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000361447 | | |

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**H24**
**SE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHPW50000004045**

| | | | |
|---|---|---|---|
| Objectid: | 4996 | | |
| County: | RICHLAND | Pwsid: | OH7003512 |
| Well num: | 17495 | | |
| Well name: | ONTARIO, VILLAGE OF WELL 0002 | | |
| Dnr wl log: | Not Reported | | |
| Wl avail: | PERMANENT | Act date: | 10/15/1999 |
| Wl status: | Active | Sys status: | Active |
| Sys name: | ONTARIO CITY PWS | Sys type: | Community |
| Src type: | ground water | | |
| Latitude: | 40.763514 | | |
| Longitude: | -82.591697 | | |
| Accuracy: | 5 | | |
| Ll colmeth: | GPS CODE MEASUREMENTS (PSEUDO RANGE) DIFFERENTIALLY CORRECTED | | |
| Hdatum: | WGS 84 | | |
| Verify met: | VERIFIED RELATIVE TO MAP FEATURES (1:24,000) | | |
| Site id: | OHPW50000004045 | | |

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**25**
**WSW**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000786284**

| | | | |
|---|---|---|---|
| Well log n: | 177418 | | |
| Well type : | W | | |
| End user i: | 731 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | J | Orig own 1: | SPILLMAN |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SHA |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 395 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

| | | | |
|---|---|---|---|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 22 | | |
| St dir cod: | S | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1967469.1 | | |
| Horiz y: | 1006730.81 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1379.58 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.763827 | | |
| Longitude: | -82.617299 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 15 | | |
| Draw down: | 8 | | |
| S water le: | 77 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 222 | | |
| Date of co: | 07/18/1956 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1303 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000786284 | | |

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**G26**
**South**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000375358**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Well log n: | 221459 | | |
| Well type : | W | | |
| End user i: | 2206 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | RICHARD | Orig own 1: | TAYLOR |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | GRA |
| Loc map ye: | 1969 | Loc area: | Not Reported |
| Loc no: | 110 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 26 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1971516.29 | | |
| Horiz y: | 1004721.43 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1376.43 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.758327 | | |
| Longitude: | -82.602684 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 10 | | |
| Draw down: | 10 | | |
| S water le: | 90 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 152 | | |
| Date of co: | 06/10/1958 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1286 | | |

| | | | |
|---|---|---|---|
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000375358 | | |

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**I27**
**ENE** **OH WELLS** **OHD500000368739**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Well log n: | 177416 | | |
| Well type : | W | | |
| End user i: | 731 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | JULIUS | Orig own 1: | SOKA |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SHA |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 378 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 133 | St type co: | CR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1974860.98 | | |
| Horiz y: | 1010803.23 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1401.34 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.775026 | | |
| Longitude: | -82.590636 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 15 | | |
| Draw down: | 14 | | |
| S water le: | 132 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 176 | | |
| Date of co: | 07/18/1956 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |

| | | | |
|---|---|---|---|
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1269 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368739 | | |

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**H28**
**SE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHPW50000004044**

| | | | |
|---|---|---|---|
| Objectid: | 4997 | | |
| County: | RICHLAND | Pwsid: | OH7003512 |
| Well num: | 17496 | | |
| Well name: | ONTARIO, VILLAGE OF WELL 0003 | | |
| Dnr wl log: | Not Reported | | |
| Wl avail: | PERMANENT | Act date: | 10/15/1999 |
| Wl status: | Active | Sys status: | Active |
| Sys name: | ONTARIO CITY PWS | Sys type: | Community |
| Src type: | ground water | | |
| Latitude: | 40.763217 | | |
| Longitude: | -82.591583 | | |
| Accuracy: | 5 | | |
| Ll colmeth: | GPS CODE MEASUREMENTS (PSEUDO RANGE) DIFFERENTIALLY CORRECTED | | |
| Hdatum: | WGS 84 | | |
| Verify met: | VERIFIED RELATIVE TO MAP FEATURES (1:24,000) | | |
| Site id: | OHPW50000004044 | | |

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**H29**
**ESE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000777132**

| | | | |
|---|---|---|---|
| Well log n: | 9990885 | | |
| Well type : | W | | |
| End user i: | 729 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | Not Reported | Orig own 1: | VILLAGE OF ONTARIO |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | GSC |
| Loc map ye: | 1969 | Loc area: | Not Reported |
| Loc no: | 131 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | LEXINGTON SPRINGMILL | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

| | | | |
|---|---|---|---|
| Zone code: | S | | |
| Horiz x: | 1974797.02 | | |
| Horiz y: | 1006834.56 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 0 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.764135 | | |
| Longitude: | -82.590852 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 250 | | |
| Draw down: | 0 | | |
| S water le: | 87 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 284 | | |
| Date of co: | 09/19/1962 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000777132 | | |

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**30**
**SW**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000368752**

| | | | |
|---|---|---|---|
| Well log n: | 478345 | | |
| Well type : | W | | |
| End user i: | 922 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | Not Reported | Orig own 1: | MIKE VOLH CO. |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | GRA |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 397 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

| | | | |
|---|---|---|---|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 22 | | |
| St dir cod: | S | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1968014.29 | | |
| Horiz y: | 1005925.61 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1368.57 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.761619 | | |
| Longitude: | -82.615328 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 14 | | |
| Draw down: | 0 | | |
| S water le: | 90 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 144 | | |
| Date of co: | 08/23/1975 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1279 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368752 | | |

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**H31**
**ESE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHPW50000004046**

| | | | |
|---|---|---|---|
| Objectid: | 4995 | | |
| County: | RICHLAND | Pwsid: | OH7003512 |
| Well num: | 17494 | | |
| Well name: | ONTARIO, VILLAGE OF WELL 0001 | | |
| Dnr wl log: | Not Reported | | |
| Wl avail: | PERMANENT | Act date: | 10/15/1999 |
| Wl status: | Active | Sys status: | Active |
| Sys name: | ONTARIO CITY PWS | Sys type: | Community |
| Src type: | ground water | | |
| Latitude: | 40.763581 | | |
| Longitude: | -82.591178 | | |
| Accuracy: | 5 | | |
| Ll colmeth: | GPS CODE MEASUREMENTS (PSEUDO RANGE) DIFFERENTIALLY CORRECTED | | |
| Hdatum: | WGS 84 | | |
| Verify met: | VERIFIED RELATIVE TO MAP FEATURES (1:24,000) | | |
| Site id: | OHPW50000004046 | | |

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**32**
**ESE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000368746**

| | | | |
|---|---|---|---|
| Well log n: | 106630 | | |
| Well type : | W | | |
| End user i: | 731 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | DONALD | Orig own 1: | MC CREADY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 388 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 24 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 133 | St type co: | CR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1975140.17 | | |
| Horiz y: | 1007588.35 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1375.74 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.766204 | | |
| Longitude: | -82.589616 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 10 | | |
| Draw down: | 16 | | |
| S water le: | 107 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |

| | | | |
|---|---|---|---|
| Total dept: | 177 | | |
| Date of co: | 02/02/1954 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1269 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368746 | | |

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**G33**
**South**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000362878**

| | | | |
|---|---|---|---|
| Well log n: | 76792 | | |
| Well type : | W | | |
| End user i: | 1820 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | IVAN | Orig own 1: | WOORLEY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1945 | Loc area: | Not Reported |
| Loc no: | 1022 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 23 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | CHAMBERS | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1971682.13 | | |
| Horiz y: | 1004675.5 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 0 | | |
| Vert acc: | 0 | | |

| | | | |
|---|---|---|---|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.758201 | | |
| Longitude: | -82.602085 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 0 | | |
| Draw down: | 0 | | |
| S water le: | 105 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 135 | | |
| Date of co: | Not Reported | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000362878 | | |

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**I34**
**ENE**
**1/2 - 1 Mile**
**Higher**

**OH WELLS** **OHD500000754367**

| | | | |
|---|---|---|---|
| Well log n: | 282058 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | Not Reported | Orig own 1: | ONTARIO FIRE DEPT. |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1969 | Loc area: | Not Reported |
| Loc no: | 38 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | LEXINGTON SPRINGMILL | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

| | | | |
|---|---|---|---|
| Zone code: | S | | |
| Horiz x: | 1974872.98 | | |
| Horiz y: | 1010914.26 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1400.65 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.77533 | | |
| Longitude: | -82.590593 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 5 | | |
| S water le: | 130 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 200 | | |
| Date of co: | 06/30/1962 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1271 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000754367 | | |

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**H35**
**ESE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000754396**

| | | | |
|---|---|---|---|
| Well log n: | 265694 | | |
| Well type : | W | | |
| End user i: | 1289 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | Not Reported | Orig own 1: | VILLAGE OF ONTARIO |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | GST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 390 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

| | | | |
|---|---|---|---|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 23 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | LEXINGTON SPRINGMILL | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1974705.96 | | |
| Horiz y: | 1006632.44 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1376.98 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.76358 | | |
| Longitude: | -82.59118 | | |
| Source of : | GPS | Flowing we: | N |
| Test rate: | 500 | | |
| Draw down: | 18.7 | | |
| S water le: | 97 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 292 | | |
| Date of co: | 03/20/1964 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1280 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000754396 | | |

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**I36**
**ENE**
**1/2 - 1 Mile**
**Higher**

**OH WELLS** **OHD500000362886**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Well log n: | 47142 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | PHILLIP | Orig own 1: | BRUMENSHENKELL |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1945 | Loc area: | Not Reported |
| Loc no: | 734 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 133 | St type co: | CR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1974916.85 | | |
| Horiz y: | 1010834.75 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 0 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.775112 | | |
| Longitude: | -82.590434 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 8 | | |
| Draw down: | 8 | | |
| S water le: | 116 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 150 | | |
| Date of co: | 06/22/1950 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | NO LINK | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |

| | | | |
|---|---|---|---|
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000362886 | | |

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**H37**
**ESE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000368748**

| | | | |
|---|---|---|---|
| Well log n: | 265695 | | |
| Well type : | W | | |
| End user i: | 1289 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | Not Reported | Orig own 1: | VILLAGE OF ONTARIO |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | GRA |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 390 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 23 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | Not Reported | St type co: | Not Reported |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1974692.08 | | |
| Horiz y: | 1006557.05 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1376.98 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.763373 | | |
| Longitude: | -82.59123 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 500 | | |
| Draw down: | 13.5 | | |
| S water le: | 100.8 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 295 | | |
| Date of co: | 05/08/1964 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |

| | | | |
|---|---|---|---|
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1276 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368748 | | |

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**F38**
**ESE** **OH WELLS** **OHD500000368744**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well log n: | 155180 | | |
| Well type : | W | | |
| End user i: | 731 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | DONALD | Orig own 1: | MC CREADY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 386 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 13 | | |
| St dir cod: | N | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1975106.17 | | |
| Horiz y: | 1007335.29 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1374.27 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.76551 | | |
| Longitude: | -82.589738 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 15 | | |
| Draw down: | 16 | | |
| S water le: | 107 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |

| | | | |
|---|---|---|---|
| Total dept: | 177 | | |
| Date of co: | 02/02/1954 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1267 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368744 | | |

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**39**
**ENE**
**1/2 - 1 Mile**
**Higher**

**OH WELLS** **OHD500000777138**

| | | | |
|---|---|---|---|
| Well log n: | 107639 | | |
| Well type : | W | | |
| End user i: | 922 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | BUD | Orig own 1: | RUNYON |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 379 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 13 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | LEXINGTON SPRINGMILL | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1975116.06 | | |
| Horiz y: | 1010487.15 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1399.35 | | |
| Vert acc: | 0 | | |

| | | | |
|---|---|---|---|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.774159 | | |
| Longitude: | -82.589714 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 10 | | |
| Draw down: | 0 | | |
| S water le: | 128 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 168 | | |
| Date of co: | 08/25/1953 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1271 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000777138 | | |

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**40**
**South**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000375357**

| | | | |
|---|---|---|---|
| Well log n: | 291570 | | |
| Well type : | W | | |
| End user i: | 1730 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | TOM | Orig own 1: | HAMPTON |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1969 | Loc area: | Not Reported |
| Loc no: | 109 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 26 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | CHAMBERS | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

| | | | |
|---|---|---|---|
| Zone code: | S | | |
| Horiz x: | 1971558.31 | | |
| Horiz y: | 1004491.37 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1380.41 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.757695 | | |
| Longitude: | -82.602531 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 7 | | |
| Draw down: | 0 | | |
| S water le: | 12 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 172 | | |
| Date of co: | 09/06/1963 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1368 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000375357 | | |

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**41**
**SW**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000668121**

| | | | |
|---|---|---|---|
| Well log n: | 204463 | | |
| Well type : | W | | |
| End user i: | 0 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | JOHN | Orig own 1: | PIFER |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | GCL |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 396 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

| | | | |
|---|---|---|---|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 22 | | |
| St dir cod: | W | | |
| St no: | 2986 | | |
| St name: | PARK | St type co: | AVE |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1967589.17 | | |
| Horiz y: | 1006099.64 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1370 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.762095 | | |
| Longitude: | -82.616863 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 10 | | |
| Draw down: | 17 | | |
| S water le: | 93 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 216 | | |
| Date of co: | 02/22/1958 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1277 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000668121 | | |

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**42**
**East**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000362156**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Well log n: | 81900 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | CHAS | Orig own 1: | GUADER |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1945 | Loc area: | Not Reported |
| Loc no: | 784 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 24 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 133 | St type co: | Not Reported |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1975488.83 | | |
| Horiz y: | 1008043.2 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 0 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.767453 | | |
| Longitude: | -82.58836 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 12 | | |
| Draw down: | 19 | | |
| S water le: | 85 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 298 | | |
| Date of co: | 05/29/1951 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |

| | | | |
|---|---|---|---|
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000362156 | | |

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**J43**
**ENE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000368741**

| | | | |
|---|---|---|---|
| Well log n: | 195019 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | Not Reported | Orig own 1: | STATLER REALTY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 381 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 13 | | |
| St dir cod: | N | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1975479.18 | | |
| Horiz y: | 1009876.99 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1393.89 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.772486 | | |
| Longitude: | -82.588401 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 25 | | |
| Draw down: | 8 | | |
| S water le: | 132 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 200 | | |
| Date of co: | 04/13/1957 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |

| | | | |
|---|---|---|---|
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1262 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368741 | | |

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**K44**
**NE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000662203**

| | | | |
|---|---|---|---|
| Well log n: | 227080 | | |
| Well type : | W | | |
| End user i: | 922 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | JAMES | Orig own 1: | KELLER |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 376 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | LEXINGTON SPRINGMILL | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1974857.95 | | |
| Horiz y: | 1011572.44 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1392.55 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.777136 | | |
| Longitude: | -82.590649 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 10 | | |
| Draw down: | 0 | | |
| S water le: | 115 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |

| | | | |
|---|---|---|---|
| Total dept: | 160 | | |
| Date of co: | 05/03/1960 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1278 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000662203 | | |

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**J45**
**East**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000368742**

| | | | |
|---|---|---|---|
| Well log n: | 160750 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | FRED | Orig own 1: | SCHMIDT |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 382 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 13 | | |
| St dir cod: | N | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1975664.24 | | |
| Horiz y: | 1009791.97 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1391.86 | | |
| Vert acc: | 0 | | |

| | | | |
|---|---|---|---|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.772253 | | |
| Longitude: | -82.587733 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 8 | | |
| S water le: | 120 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 170 | | |
| Date of co: | 03/24/1956 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1272 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368742 | | |

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**46**
**ENE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000375360**

| | | | |
|---|---|---|---|
| Well log n: | 140126 | | |
| Well type : | W | | |
| End user i: | 1730 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | PAUL | Orig own 1: | SEIHERT |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1969 | Loc area: | Not Reported |
| Loc no: | 114 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 26 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | LEXINGTON-SPRINGMILL | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

| | | | |
|---|---|---|---|
| Zone code: | S | | |
| Horiz x: | 1975124.09 | | |
| Horiz y: | 1011252.72 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 0 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.77626 | | |
| Longitude: | -82.589688 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 0 | | |
| Draw down: | 0 | | |
| S water le: | 0 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 155 | | |
| Date of co: | 12/01/1954 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000375360 | | |

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**K47**
**NE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000368738**

| | | | |
|---|---|---|---|
| Well log n: | 227066 | | |
| Well type : | W | | |
| End user i: | 922 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | JIM | Orig own 1: | KELLER |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 375 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

| | | | |
|---|---|---|---|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | LEXINGTON SPRINGMILL | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1974863.95 | | |
| Horiz y: | 1011717.48 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1391.14 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.777534 | | |
| Longitude: | -82.590628 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 10 | | |
| Draw down: | 0 | | |
| S water le: | 120 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 160 | | |
| Date of co: | 07/31/1959 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1271 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368738 | | |

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**K48**
**ENE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000754395**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Well log n: | 204227 | | |
| Well type : | W | | |
| End user i: | 2206 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | LEWIS | Orig own 1: | BAILE |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | ROC |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 377 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 13 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 133 | St type co: | CR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1975119.04 | | |
| Horiz y: | 1011408.41 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1388.5 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.776687 | | |
| Longitude: | -82.589706 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 12 | | |
| Draw down: | 6 | | |
| S water le: | 130 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 184 | | |
| Date of co: | 03/15/1958 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1259 | | |

| | | | |
|---|---|---|---|
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000754395 | | |

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**K49**
**NE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000786990**

| | | | |
|---|---|---|---|
| Well log n: | 285286 | | |
| Well type : | W | | |
| End user i: | 1820 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | HARRY | Orig own 1: | BRUMENSHENKEL |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 374 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | LEXINGTON SPRINGMILL | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1974869.95 | | |
| Horiz y: | 1011869.53 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1388.31 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.777952 | | |
| Longitude: | -82.590607 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 0 | | |
| Draw down: | 10 | | |
| S water le: | 120 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 160 | | |
| Date of co: | 08/06/1963 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |

| | | | |
|---|---|---|---|
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1268 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000786990 | | |

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**50**
**East**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000676337**

| | | | |
|---|---|---|---|
| Well log n: | 316596 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | EDWARD | Orig own 1: | MATTOX |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 383 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 13 | | |
| St dir cod: | N | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | USRT |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1975989.34 | | |
| Horiz y: | 1009768.98 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1390 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.772191 | | |
| Longitude: | -82.586559 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 5 | | |
| S water le: | 123 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |

| | | | |
|---|---|---|---|
| Total dept: | 165 | | |
| Date of co: | 07/25/1964 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1267 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000676337 | | |

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**51**
**NNW**
**1/2 - 1 Mile**
**Higher**

**OH WELLS** **OHD500000784223**

| | | | |
|---|---|---|---|
| Well log n: | 57287 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | LUELLA | Orig own 1: | STRIP |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | ROC |
| Loc map ye: | 1945 | Loc area: | Not Reported |
| Loc no: | 559 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 406 | | |
| St name: | ORANGE | St type co: | ST |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1969866.91 | | |
| Horiz y: | 1013776.84 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 0 | | |
| Vert acc: | 0 | | |

| | | | |
|---|---|---|---|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.78317 | | |
| Longitude: | -82.608676 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 0 | | |
| S water le: | 152 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 203 | | |
| Date of co: | 12/08/1949 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000784223 | | |

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**52**
**South**
**1/2 - 1 Mile**
**Higher**

**OH WELLS** **OHD500000362128**

| | | | |
|---|---|---|---|
| Well log n: | 57261 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | CARL | Orig own 1: | MELLINGTON |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1945 | Loc area: | Not Reported |
| Loc no: | 535 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 23 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | HARDING HTS. | St type co: | BLVD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

| | | | |
|---|---|---|---|
| Zone code: | S | | |
| Horiz x: | 1971720.73 | | |
| Horiz y: | 1003920.71 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 0 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.75613 | | |
| Longitude: | -82.601943 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 8 | | |
| Draw down: | 1 | | |
| S water le: | 112 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 162 | | |
| Date of co: | 03/29/1949 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000362128 | | |

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**53**
**ENE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000373977**

| | | | |
|---|---|---|---|
| Well log n: | 160667 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | ROY | Orig own 1: | CRAIG |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1969 | Loc area: | Not Reported |
| Loc no: | 33 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

| | | | |
|---|---|---|---|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 13 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | LEXINGTON SPRINGMILL | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1975271.07 | | |
| Horiz y: | 1011708.5 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1381.02 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.777511 | | |
| Longitude: | -82.589159 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 12 | | |
| Draw down: | 10 | | |
| S water le: | 110 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 165 | | |
| Date of co: | 08/18/1955 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1271 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000373977 | | |

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**L54**
**SSE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000374660**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Well log n: | 282120 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | ROBERT | Orig own 1: | STEHLE |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1969 | Loc area: | Not Reported |
| Loc no: | 63 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | FROZIER | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1973817.92 | | |
| Horiz y: | 1004686.52 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1360 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.758238 | | |
| Longitude: | -82.594378 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 0 | | |
| S water le: | 85 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 160 | | |
| Date of co: | 10/27/1962 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1275 | | |

| | | | |
|---|---|---|---|
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000374660 | | |

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**55**
**NE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000368737**

| | | | |
|---|---|---|---|
| Well log n: | 107647 | | |
| Well type : | W | | |
| End user i: | 922 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | ROBERT | Orig own 1: | GREENUP |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1991 | Loc area: | Not Reported |
| Loc no: | 373 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | LEXINGTON SPRINGMILL | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1974827.92 | | |
| Horiz y: | 1012294.65 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1374.38 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.779118 | | |
| Longitude: | -82.59076 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 10 | | |
| Draw down: | 20 | | |
| S water le: | 76 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 153 | | |
| Date of co: | 09/15/1953 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |

| | | | |
|---|---|---|---|
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1298 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000368737 | | |

---

**56**
**SW**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000362124**

| | | | |
|---|---|---|---|
| Well log n: | 2061 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | ANGLE | Orig own 1: | REFUGE |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SGR |
| Loc map ye: | 1945 | Loc area: | Not Reported |
| Loc no: | 467 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 30 | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1967549.37 | | |
| Horiz y: | 1005226.26 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 0 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.759699 | | |
| Longitude: | -82.617002 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 12 | | |
| Draw down: | 5 | | |
| S water le: | 78 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |

| | | | |
|---|---|---|---|
| Total dept: | 155 | | |
| Date of co: | 08/10/1946 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000362124 | | |

---

**57**
**NE**
**1/2 - 1 Mile**
**Lower**

**OH WELLS** **OHD500000373981**

| | | | |
|---|---|---|---|
| Well log n: | 160661 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | ALBERT | Orig own 1: | BEAR |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1969 | Loc area: | Not Reported |
| Loc no: | 39 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 14 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 30-N | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | S | | |
| Horiz x: | 1974505.81 | | |
| Horiz y: | 1012706.75 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1372.94 | | |
| Vert acc: | 0 | | |

| | | | |
|---|---|---|---|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.780248 | | |
| Longitude: | -82.591925 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 12 | | |
| Draw down: | 15 | | |
| S water le: | 130 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 190 | | |
| Date of co: | 07/21/1955 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1243 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000373981 | | |

---

**L58**
**SSE** **OH WELLS** **OHD500000786277**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well log n: | 316584 | | |
| Well type : | W | | |
| End user i: | 1197 | | |
| Cnty code: | 139 | Twp code: | 2635 |
| Orig owner: | LOUIS | Orig own 1: | GAUL |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SST |
| Loc map ye: | 1969 | Loc area: | Not Reported |
| Loc no: | 113 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 26 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | FRAZIER | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Zone code: | S | | |
| Horiz x: | 1973846.94 | | |
| Horiz y: | 1004497.46 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1360 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.757719 | | |
| Longitude: | -82.594272 | | |
| Source of : | Digitized | Flowing we: | N |
| Test rate: | 9 | | |
| Draw down: | 0 | | |
| S water le: | 90 | | |
| S water me: | Not Reported | S water 1: | Not Reported |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 205 | | |
| Date of co: | 06/27/1964 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 1270 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD500000786277 | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
# RADON

**AREA RADON INFORMATION**

State Database: OH Radon

Radon Test Results

| Zipcode | Num Tests | Maximum | Minimum | Avg Mean | Geo Mean |
|---|---|---|---|---|---|
| 44906 | 272 | 44 | 0.1 | 6.04 | 3.65 |

Federal EPA Radon Zone for RICHLAND County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for Zip Code: 44906

Number of sites tested: 3

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|---|---|---|---|---|
| Living Area - 1st Floor | 5.100 pCi/L | 0% | 100% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 4.767 pCi/L | 67% | 33% | 0% |

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Natural Resources
Telephone: 614-265-1044

## HYDROGEOLOGIC INFORMATION

AQUIFLOW$^{R}$ Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Public Water System Data
Source: Ohio Environmental Protection Agency
Telephone: 614-644-2752
The database includes community, transient noncommunity and nontransient noncommunity water wells; and source treatment unit locations.

Water Well Database
Source: Department of Natural Resources
Telephone: 614-265-6740

## OTHER STATE DATABASE INFORMATION

RADON

State Database: OH Radon
Source: Department of Health
Telephone: 614-644-2727
Radon Statistics for Zip Code Areas

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

**STREET AND ADDRESS INFORMATION**

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**2525 WEST 4TH ST**
2525 WEST 4TH ST
MANSFIELD, OH 44906

Inquiry Number:
January 20, 2011

# EDR Site Report™

EDR® Environmental Data Resources Inc

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

# 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 5**

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<br><br>AREA | FACILITY 1<br>**2525 WEST 4TH ST**<br>2525 WEST 4TH ST<br>MANSFIELD, OH 44906<br>EDR ID #93314879 |
|---|---|
| **WASTE MANAGEMENT**<br>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**<br>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**<br>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**<br>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)**

2525 WEST 4TH ST
2525 WEST 4TH ST
MANSFIELD, OH 44906
EDR ID #93314879

ERNS:

| | |
|---|---|
| Site ID: | 93314879 |
| Site location: | 2525 WEST 4TH ST<br>MANSFIELD, OH 44906 |
| County: | RICHLAND |
| Report number: | 171890 |
| EPA region: | 05 |
| EPA region: | 05 |
| Spill date: | 05/05/1993 |
| Spill time: | 15:00 |
| Medium affected: | Land |
| Damage: | False |
| Damage $ amount: | 0.00 |
| Number of injured: | 0 |
| Number of fatalities: | 0 |
| Notes: | SOIL |
| Discharger: | GENERAL MOTORS |
| Discharger address: | 2525 WEST 4TH ST<br>MANSFIELD, OH 44906 |
| Discharger county: | Not reported |
| C.G. Unit: | Not reported |
| EPA notified: | False |
| Initial report: | True |
| Updated report: | True |
| Spill cause: | Not reported |
| Spilled material: | ETHYLENE GLYCOL |
| Spill total qty: | 0.00 UNK |
| In water: | 0.00 NON |
| DOT #: | Not reported |
| CAS: | Not reported |
| Quantity (lbs): | 0.00 |
| Description: | CALLER IS REPORTING THAT THERE IS A POSSIBLE ETHYLENE GLYCOL LEAK FROM A PIPE THAT WAS THOUGHT TO BE DAMAGED BY AN UNKNOWN PIECE OF EQUIPMENT |
| Action: | SOIL SAMPLES WERE SENT OFF TODAY |
| Comments: | Not reported |

# 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: 07/09/2010
Database Release Frequency: Annually

Date of Last EDR Contact: 01/07/2011
Date of Next Scheduled Update: 04/18/2011

**SPRINGFIELD MOLD & DIE**
2420 WEST 4TH STREET
MANSFIELD, OH 44906

Inquiry Number:
January 6, 2011

# EDR Site Report™

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
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# SECTION 1: FACILITY SUMMARY

| FACILITY<br><br>AREA | FACILITY 1<br>**SPRINGFIELD MOLD & DIE**<br>2420 WEST 4TH STREET<br>MANSFIELD, OH 44906<br>EDR ID #1000257293<br>EPA #OHD986981538 |
|---|---|
| **WASTE MANAGEMENT**<br>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) | **YES - p6** |
| 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**<br>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**<br>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 - p7** |
| Facility is listed in a county/local unique database (LOCAL) | NO |
| **POTENTIAL SUPERFUND LIABILITY**<br>Facility has a list of potentially responsible parties PRP | NO |
| **TOTAL (YES)** | 3 |

# SECTION 2: FACILITY DETAIL REPORTS

## WASTE MANAGEMENT

### Facility generates hazardous waste

### DATABASE: Resource Conservation and Recovery Information (RCRAInfo)

SPRINGFIELD MOLD & DIE
2420 WEST 4TH STREET
MANSFIELD, OH 44906
EDR ID #1000257293

RCRA-NonGen:

| | |
|---|---|
| Date form received by agency: | 11/13/2001 |
| Facility name: | SPRINGFIELD MOLD AND DIE |
| Facility address: | 2420 W FOURTH ST<br>MANSFIELD, OH 44906 |
| EPA ID: | OHD986981538 |
| Contact: | RICHARD SMITH |
| Contact address: | 2420 W FOURTH ST<br>MANSFIELD, OH 44906 |
| Contact country: | US |
| Contact telephone: | (419) 747-7888 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Land type: | Facility is not located on Indian land. Additional information is not known. |
| Classification: | Non-Generator |
| Description: | Handler: Non-Generators do not presently generate hazardous waste |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | SMITH RICHARD |
| Owner/operator address: | 2420 W 4TH ST<br>MANSFIELD, OH 44906 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | (419) 747-7888 |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | 01/01/0001 |
| Owner/Op end date: | Not reported |

Handler Activities Summary:

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

Historical Generators:

| | |
|---|---|
| Date form received by agency: | 02/24/2000 |
| Facility name: | SPRINGFIELD MOLD AND DIE |
| Classification: | Large Quantity Generator |

| | |
|---|---|
| Date form received by agency: | 04/08/1999 |
| Facility name: | SPRINGFIELD MOLD AND DIE |
| Classification: | Large Quantity Generator |

Hazardous Waste Summary:

| | |
|---|---|
| Waste code: | D006 |
| Waste name: | CADMIUM |

| | |
|---|---|
| Waste code: | D008 |
| Waste name: | LEAD |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Regulation violated: | SR - 3745-52-11 |
| Area of violation: | Generators - General |
| Date violation determined: | 01/06/2004 |
| Date achieved compliance: | 02/06/2004 |

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/14/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SS - 3745-279-22(C)(1)
Area of violation: Used Oil - Definitions
Date violation determined: 01/06/2004
Date achieved compliance: 01/12/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/14/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/06/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/06/2004
Evaluation lead agency: State

Evaluation date: 01/06/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Definitions
Date achieved compliance: 01/12/2004
Evaluation lead agency: State

Evaluation date: 05/08/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

**WASTE MANAGEMENT**

**Facility Has Received Notices of Violations**

**DATABASE: Resource Conservation and Recovery Information (RCRAInfo)**

SPRINGFIELD MOLD & DIE
2420 WEST 4TH STREET
MANSFIELD, OH 44906
EDR ID #1000257293

| | |
|---|---|
| Regulation Violated: | SR - 3745-52-11 |
| Area of Violation: | Generators - General |
| Date Violation Determined: | 01/06/2004 |
| Actual Date Achieved Compliance: | 02/06/2004 |
| Enforcement Action: | WRITTEN INFORMAL |
| Enforcement Action Date: | 01/14/2004 |

| | |
|---|---|
| Regulation Violated: | SS - 3745-279-22(C)(1) |
| Area of Violation: | Used Oil - Definitions |
| Date Violation Determined: | 01/06/2004 |
| Actual Date Achieved Compliance: | 01/12/2004 |
| Enforcement Action: | WRITTEN INFORMAL |
| Enforcement Action Date: | 01/14/2004 |

## MULTIMEDIA

### Facility is listed in EPA's index system

### DATABASE: Facility Index System (FINDS)

SPRINGFIELD MOLD & DIE
2420 WEST 4TH STREET
MANSFIELD, OH 44906
EDR ID #1000257293

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: 110004665746
Facility Name: SPRINGFIELD MOLD & DIE
Facility Address: 2420 WEST 4TH STREET
MANSFIELD, OH 44906
Facility County: RICHLAND
EPA Region: 05
Fed. Gov. Facility: Not reported
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.

The OH-CORE (Ohio - Core) database contains information commonly shared among the Ohio EPA environmental programs. The information is facility-based, general in nature, and used to support specific programmatic systems while simultaneously maintaining an inventory of common facility-related data. Specific programmatic details are maintained in programmatic databases.

Prg. Sys. ID: 133712
Supplemental Interest: HAZARDOUS WASTE PROGRAM
Facility SIC Codes: 3599
Facility NAICS Codes: Not reported

Prg. Sys. ID: OHD986981538
Supplemental Interest: Not reported
Facility SIC Codes: Not reported
Facility NAICS Codes: Not reported

# 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-NonGen: RCRA - Non 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010
Database Release Frequency: Varies
Date of Last EDR Contact: 01/06/2011
Date of Next Scheduled Update: 04/18/2011

**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: 04/14/2010
Database Release Frequency: Quarterly
Date of Last EDR Contact: 12/10/2010
Date of Next Scheduled Update: 03/28/2011

# Appendix D

# Correspondence and File Review Documentation

## EXHIBIT C

## BULK STORAGE TANKS
## MANSFIELD PLANT

| TANK NO. | SIZE | CONTENTS | | LOCATION |
|---|---|---|---|---|
| 1 | 10,000 GAL | LUBE OIL | A | OIL CRIB |
| 2 | 10,000 GAL | USED PRESS OIL | A | OIL CRIB |
| 3 | 2,237 GAL | HYDRAULIC OIL | A | OIL CRIB |
| 4 | 1, 365 GAL | HYDRAULIC OIL | A | OIL CRIB |
| 5 | 1,365 GAL | EP 220 OIL | A | OIL CRIB |
| 6 | 55 GAL DRUM | PREMIUM SOLVENT | A | OIL CRIB |
| 7 | 15,000 GAL* | SPILL TANK | U | OIL CRIB |
| 8 | 55 GAL DRUM | MISC. OIL PRODUCTS | A | OIL CRIB |
| 9 | 400 GAL | DIESEL FUEL | A | BOOSTER PUMP BUILDING |
| 10 | 525 GAL | LUBE OIL | A | BASEMENT POWER HOUSE |
| 11 | 220 GAL | SULFURIC ACID | A | COOLING WATER CHEMICAL ROOM POWER HOUSE |
| 12 | 55 GAL DRUM | SULFURIC ACID | A | COL. L-17, PRESS PIT |
| 13 | 55 GAL DRUM | CAUSTIC CLEANER | A | NEW IWTP |
| 14 | 375 GAL | DIESEL FUEL | A | OUTDOORS POWER HOUSE |
| 15 | 2,000 GAL | UNLEADED GASOLINE | U | OUTSIDE COL. W-44 |
| 16 | 2,000 GAL | UNLEADED GASOLINE | U | OUTSIDE COL. W-44 |
| 17 | 2,000 GAL | DIESEL FUEL | U | OUTSIDE COL. W-44 |
| 18 | 50,000 GAL | HOLDING TANK | A | NEW IWTP |
| 19 | 50,000 GAL | HOLDING TANK | A | NEW IWTP |
| 20 | 50,000 GAL | HOLDING TANK | A | NEW IWTP |
| 21 | 38,000 GAL | BIOREACTOR TANK | A | NEW IWTP |
| 22 | 38,000 GAL | BIOREACTOR TANK | A | NEW IWTP |
| 23 | 290 GAL TOTE | PHOSPHORIC ACID/UREA | A | NEW IWTP |
| 24 | 390 GAL TOTE | SODIUM HYDROXIDE | A | NEW IWTP |
| 25 | 190 GAL TOTE | CITRIC ACID | A | NEW IWTP |
| 26 | 3,000 GAL | NITROGEN (LIQUID) | A | OUTSIDE COL. A-7 |
| 27 | 975 GAL | OXYGEN (LIQUID) | A | OUTSIDE COL. A-7 |
| 28 | 250 GAL TOTE | AW46 LUBE OIL | A | COL. M-9 PRESS PIT |
| 29 | 330 GAL TOTE | SOAP- CAUSTIC | A | COL. L-30 |
| 30 | 330 GAL TOTE | SOAP-CAUSTIC | A | COL. Y-30 |
| 31 | 330 GAL TOTE | SOAP-CAUSTIC | A | COL. A-4 |
| 32 | (2) 330 GAL TOTE | SOAP-CAUSTIC | A | COL. H-17 PRESS PIT |
| 33 | 345 GAL TOTE | EP 220 OIL | A | COL. L-9 PRESS PIT |

Bulk Storage Tanks, cont.

| TANK NO. | SIZE | CONTENTS | | LOCATION |
|---|---|---|---|---|
| 34 | 345 GAL TOTE | EP 220 OIL | A | COL. L-39 PRESS PIT |
| 35 | 230 GAL TOTE | AW46 LUBE OIL | A | COL. P-30 |
| 36 | 230 GAL TOTE | AW46 LUBE OIL | A | COL. K-39 PRESS PIT |
| 37 | 230 GAL TOTE | EP 320 OIL | A | COL. L-27 PRESS PIT |
| 38 | 345 GAL TOTE | EP 320 OIL | A | COL. M-23 PRESS PIT |
| 39 | (3) 55 GAL DRUMS | SODIUM HYPOCHLORITE | A | COL. K-17 PRESS PIT |
| 40 | 55 GAL DRUM | CAUSTIC SODA | A | COL. L-17 PRESS PIT |
| 41 | 345 GAL TOTE | EP 220 OIL | A | COL. M-9 PRESS PIT |
| 42 | (2) 230 GAL TOTE | AW46 LUBE OIL | A | COL. AC-4 |

A = Aboveground Tank
U = Underground Tank
* = This Underground Storage Tank is empty and is part of the Secondary Containment System for the Oil Crib.

March 6, 2001

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:
WN-16J

DEC 29 2010

Ms. Vicky Farmer
Tetra Tech
250 West Court Street, 200 W
Cincinnati, Ohio 45202

Re: Freedom of Information Act (FOI)
(Identification No. 05-FOI-00357-11)

Dear Ms. Farmer:

This is the Water Division's response to your FOI request dated December 29, 2010. You requested from the U.S. Environmental Protection all information pertaining to the following facility:

GM/Mansfield Stamping Plant
2525 W. 4th Street
Mansfield, Ohio 44906

This response is limited to records in EPA Region 5 possession pursuant to the Clean Water Act. A separate response to your request will be provided to you by the Land and Chemical Division.

My staff reviewed our files for information that would be responsive to your request and based on a review of the EPA's Enforcement and Compliance History Online (ECHO) database, we did not find any information responsive to your request. GM/Mansfield Stamping Plant is a minor facility (OH0006050) and we do not maintain those records. You may wish to contact the State of Ohio for information regarding this facility at:

Ohio EPA - Central Office
Attn: Rich Bouder
P.O. Box 1049
Columbus, Ohio 43216-1049
Telephone: (614) 644-2782
Fax: (614) 644-3184

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You may appeal this response to the National Freedom of Information Officer, U.S. EPA, FOIA and Privacy Branch, 1200 Pennsylvania Avenue, N.W. (2822T), Washington, DC 20460 (U.S. Postal Service Only), FAX: (202) 566-2147, E-mail: hq.foia@epa.gov. Only items mailed through the United States Postal Service may be delivered to 1200 Pennsylvania Avenue, NW. If you are submitting your appeal via hand delivery, courier service or overnight delivery, you must address your correspondence to 1301 Constitution Avenue, N.W., Room 6416J, Washington, DC 20004. Your appeal must be made in writing, and it must be submitted no later than 30 calendar days from the date of this letter. The Agency will not consider appeals received after the 30 calendar day limit. The appeal letter should include the FOI 00357-11 as listed above. For quickest possible handling, the appeal letter and its envelope should be marked "Freedom of Information Act Appeal."

Under FOIA, a cost may be charged for reproducing documents and/or search time, however, there is no charge for processing this part of your request. You may be charged for time and/or materials on a cumulative billing statement issued by another office

If you have any questions regarding this response, please contact Ms. Mery Jackson of my staff at 312-886-3717.

Sincerely,



Kevin Pierard, Chief
NPDES Program Branch

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

JAN 18 2011

REPLY TO THE ATTENTION OF:

LP-9J

Ms. Vicky Farmer
Tetra Tech
250 West Court Street
Suite 200W
Cincinnati, Ohio 45202

RE: Freedom of Information Act (FOIA) Request
05-FOI-00357-11

Dear Ms. Farmer:

This is the U.S. Environmental Protection Agency's, Land and Chemicals Division's (LCD) response to your FOIA request received on December 29, 2010. In your request you asked for any and all information pertaining to the former GM/Mansfield Stamping Plant, located at 2525 West 4th Street, in Mansfield, Ohio.

We have searched our files and electronic database and cannot find any information you have requested on the above site.

If you consider this response to be a denial of your request you may appeal this response to the National Freedom of Information Officer, EPA, FOIA and Privacy Branch, 1200 Pennsylvania Avenue, N.W. (2822T), Washington, DC 20460 (U.S. Postal Service Only), FAX: (202) 566-2147, E-mail: hq.foia@epa.gov. Only items mailed through the United States Postal Service may be delivered to 1200 Pennsylvania Avenue, NW. If you are submitting your appeal via hand delivery, courier service or overnight delivery, you must address your Correspondence to 1301 Constitution Avenue, N.W., Room 6416J, Washington, DC 20004. Your appeal must be made in writing, and it must be submitted no later than 30 calendar days from the date of this letter. EPA will not consider appeals received after the 30 calendar day limit. The appeal letter should include the FOI number listed above. For quickest possible handling, the appeal letter and its envelope should be marked "Freedom of Information Act Appeal."

Since the States within Region 5 are authorized to perform portions of the hazardous waste program in lieu of the Federal program, please contact the Ohio Environmental Protection Agency listed on the enclosed sheet for additional information.

The Division of Water will respond separately to the other portion of your request. A bill for collection will be provided to you if the combined cost incurred exceeds the $14.00 minimum. Do not remit a payment at this time.

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Please contact me at (312) 886-7439 or Sharon Travis of my staff at (312) 886-6533, if you have any questions regarding this response. To better serve you, we have enclosed a list of several internet web sites for your convenience.

Sincerely,

Mary C. Villarreal

Mary Villarreal, Acting Chief
Internal Services Section

Enclosure(s)

# Emergency Response Section - Initial Pollution Incident Report (IPIR)

1/7/2011

**Spill Id Number:** 9305-70-1734 **District:** NW

**Reported By:** COMPANY
**Title:** ENV MGR
**Telephone:** (000) 000-0000 **ext:**
**Affiliation:** COMPANY

**Reported:** 05/06/1993 14:50
**Discovered:** 05/05/1993 17:00
**Occurred:** 00/00/0000
**Chronic:** N

**County:** RICHLAND **City/Township:** MANSFIELD
**Did Spiller Report ?** N **Complaint ?** N
**Received By:** PRE1993 TO ENTER **Priority:** 3
**Local EPC ?** N **Did you tell the Spiller to Call the N.R.C ?** N
**Business:** N **SARA Report:** Y

**Suspected Spiller:** GENERAL MOTORS / CLCD MANSFIELD
**Mailing Address:** 2525 W FOURTH ST
MANSFIELD, OH 44906
**Telephone:** (419) 755-5118 **ext:**

**Location:** 2525 W FOURTH ST
**Source:** FIXED FACILITY - BUSINESS - PIPING (UNDERGROUND)
**Cause:** LEAK **Reason:** BREAK OR BROKEN
**Waterways Affected:** CLEAR F RESERVOIR **Media Affected 1:** LAND OR LAND SURFACE
**Media Affected 2:** SURFACE WATER/STORM SEWER **Media Affected 3:**

## Product(s) Spilled

| Product | Amount | UOM | RQ | Size | Type | EHS |
|---|---|---|---|---|---|---|
| ETHYLENE GLYCOL | .0 | UNK | .0 | U | H | N |

## Other Agencies Notified

| Agency | Person | Date | Time |
|---|---|---|---|
| RRS/SIS | | 00/00/0000 | |
| DSW/WW | | 00/00/0000 | |

## Remark

Ohio EPA
State of Ohio Environmental Protection Agency

# INITIAL POLLUTION INCIDENT REPORT 19 93

I.D. Number 05-70-1734 ☐ Confidential Status Requested/Enforcement Sensitive

Time & Date Reported 1450 5-6 Discovered 1700 5-5 Occurred probably March

Reported by (Name) Mike Knoblock Title

Telephone 419-755-5118 Entity Reporting: Co Did Spiller Report? (Y) N Complaint? Y (N)

Suspected Spiller General Motors Telephone

Mailing Address 2525 W Fourth St Mansfield OH 44906

Location of Spill: (County) Richland (Town/TWP) Mansfield (Section)

(Street Location) 2525 W 4th St (Lat & Long)

Product Spilled ethylene glycol Amount unk RQ? Y Type: H Size: U

Product Spilled Amount RQ? Type: Size:

Sources of Spill broken piping Size: U Priority: 3

Areas Affected Waterway/Topography: A L (W) G O N Land, Clear Fork Res. Trib Weather

Exposure Potential L M G E Protection Level A B C D

snow plow probably, unknowingly, accidentally brake piping carrying ethylene glycol at a snow melt pad area. Co discovered broken pipe yesterday with only an area of 1x4 ft contamination. Suspects that material may have entered storm water collection system + escaped that way. Yet the NPDES outfall test never indicated ethylene glycol release. If the material did pass thru outfall, it would go to a trib to Clear Fork Reservoir. Co repairing pipes, continuing investigation soil tests etc.

Did You Tell Spiller To Call: The N.R.C.? (Y) N (1-800-424-8802, Washington, D.C.) The Local EPC? (Y) N (# in Duty Book)

| | Send Copy | Time & Date | Talked to |
|---|---|---|---|
| District CO/NW | ☐ | | |
| 1. USEPA 2. USCG | ☐ | | |
| 3. SFM (752-7938) 4. ORSANCO | ☐ | | |
| 5. ODNR Wildlife | ☐ | | |
| (6) DWPC or DAPC | ☒ | | E Wick |
| 7. DPDW 8. DSHWM | ☐ | | |
| 10. ODH 11. ODA | ☐ | | |
| 12. PUCO | ☐ | | |
| 13. PIC (4-2160) | ☐ | | |
| 14. Local APC 15. Co HD | ☐ | | |
| 16. PD 17. FD | ☐ | | |
| 18. OEMA 20. DO&G | ☐ | | |
| 21. DWQPA 23. DGW | ☐ | | |
| 24. LEPC 25. PCB | ☐ | | |
| (26) RRS/SIS | ☐ | | Sue Netzly |
| | ☐ | | |
| | ☐ | | |

(revised 1-91)
EPA 0300

Business (Y) N SARA Report: (Y) N District: Y N _____ Received by Melvin Burrow

9305-70-1734

GM

North American Operations

Cadillac/Luxury Car Engineering
and Manufacturing Division
**Mansfield Plant**
General Motors Corporation
P.O. Box 2567
Mansfield, Ohio 44906

Date: June 22, 1993

Mr. Jeff Beatty
Ohio EPA
Office of Emergency Response
P.O. Box 1049
1800 WaterMark Drive
Columbus, Ohio 43266-0149

Certified Mail
Return Receipt Req.
P 037 262 956

Dear Mr. Beatty:

Pursuant to 40 CFR 355.40(3) we are responding to the Ohio Environmental Protection Agency concerning the reported release of Ethylene Glycol at the CLCD Mansfield Plant on May 5, 1993. Also enclosed are the additional information requested by the Ohio EPA Office of Emergency Response Questionnaire.

If there are any questions please contact Michael Knoblock at (419) 755-5118 or David Stroup at (419) 755-5117.

Sincerely,

Jorge Broggio
Plant Manager

RECEIVED
93 JUN 29 PM 3:55
DIV. OF EMERGENCY & REMEDIAL RESPONSE

Attachments

cc: Richland County. LEPC
file

June 22, 1993

1. Reporting:

   a. The exact time and date of the release is not known.

   b. The discovery that a discharge had occurred was made at approximately 3:00 pm on May 5, 1993.

   c. The release was initially reported to the OHIO EPA on May 6, 1993 at 2:48 pm. The release was reported to Marcia Burrow at the Ohio Emergency Response Center.

   d. I.D. Report # 93050-70-1734

      **Note:** We did not receive a package from the Ohio EPA as we were instructed in the original notification. After several follow up phone calls, a fax copy of spill report was sent on June 14, 1993 by Shirley Reed of the Ohio EPA.

   e. Michael Knoblock notified the Ohio and United States Environmental Protection Agencies on May 7th, 1993. Michael Knoblock is the Environmental Manager at the General Motors Mansfield Plant.

2. Location:

   a. **CLCD Mansfield Plant**
      **2525 W. Fourth St.**
      **Mansfield, OH 44906**

   b. **Richland County**
      **Ontario, OH 44906**

   c. **Latitude 040 46 14**
      **Longitude 082 36 24**

   d. **NA**

3. Product Release:

   a. Antifreeze - Ethylene Glycol 107-21-1

   b. Yes, it is listed under CERCLA 102(a). A copy of the questions will be forwarded to the Richland County LEPC.

   c. The total discharge was estimated to be 330 gallons of ethylene glycol. The exact duration of the discharge is not known. (See answer 5a)

4. Environmental Impact:

a. Although no material was observed in either the storm water retention basin or "waters of the state" it is presumed that the ethylene glycol would have collected in our storm retention basin and then over time was discharged to an unnamed tributary that flows into the Clearfork Reservoir.

b. Unknown. However, monthly NPDES sampling did not indicate any non-compliant conditions.

c. Analytical reports indicated no soil contamination present at the spill site.

d. No evacuation occurred.

e. No animal or vegetation damage occurred.

f. There were no reported health effects and there were no reported injuries as a result of the release.

g. NA

5. Monitoring and Protection:

a. The release was detected by a facility engineer during an inspection. A soil sample near the area was taken and submitted to our compliance laboratory for testing. No ethylene glycol was detected in the soil. Based on observations at the release site it is presumed that the release was flushed into the storm system as a result of snow melt and storm water runoff. Our monthly monitoring of the storm water system did not exhibit any non-compliant oil & grease data. The glycol system from which the release originated was recharged and an estimated 660 gallons of total volume was lost. Since the material is a 50:50 mixture of glycol and water, this is the basis of our estimated 330 gallon release of ethylene glycol.

b. NA

c. Due to the conditions, the public was not warned since the spill had apparently occurred several weeks prior to discovery. Also, the public was never in any danger. However, all required agencies were notified within the specified 24 hour period.

6. Mitigation, Containment Action:

a. None of the glycol material was recovered since none was found when the incident was discovered. Upon discovery, immediate maintenance was performed on the system to prevent any future losses.

b. NA

c. NA

d. The storm pond skimmer and aeration equipment were operational, however ethylene glycol is water soluble and was presumably able to pass through our storm water free oil removal system.

7. Additional training will be given to the snow removal maintenance people to prevent possible re-occurrence of this accidental release. The system will be tested to determine it's integrity prior to being put back into service.

8. Health Risk:

a. Immediate maintenance was performed on the system to prevent any additional releases and to repair the damaged piping.

b. The material is moderately toxic to humans through ingestion or inhalation. If ingested the material may cause nervous system stimulation followed by depression. It may cause severe kidney damage.

Information was obtained from:
Hazardous Chemicals
Desk Reference
Third Edition
Richard J. Lewis, Sr.
page 577
Van Nostrand Reinhold - publisher 1993.

9. NPDES Permit # OH0006050
a.) See attached NPDES discharge limits.

10. The General Motors Mansfield Facility during the winter months maintains a "snow melt" rack storage area. This is necessary to provide safe access for fork lift operators that must move empty racks in and out of the production area during the winter months. The "snow melt" area is a concrete slab 40 ft. x 600 ft. that is heated using a 50:50 mixture of ethylene glycol and water which is recirculated through 1/2" piping. The piping is encased in the concrete slab. During the winter season, presumably a snow plow struck one of the elevated curbs surrounding the heated slab and broke the half inch pipe encased in the concrete curb. The break was covered by the snow bank created by the snow removal plow and was not detected. The damaged curb and subsequent leak was found by a facility engineer conducting a inspection of the rack storage area on May 5, 1993. The potential release was brought to the attention of the Plant's Environmental Dept. on May 5, 1993 at approximately 3:00 pm. An immediate effort took place to secure the damaged piping and soil samples near the release area were submitted to Wadsworth Alert Labs in North Canton, Ohio for glycol analysis. A visual inspection of the immediate area and of the storm water system showed no indication of glycol present. (See attached analytical data for soil analysis.)

The following is an outline describing the notifications that took place on May 6, 1993:

May 6, 1993:

2:48 pm. Notified the Ohio Emergency Response Center. Mike Knoblock the Environmental Manager at the Mansfield Plant spoke with Marcia Burrow.

3:00 pm Notified the National Response Center. Mike Knoblock spoke with Petty Officer Yuska.

3:08 pm. Notified the Richland County LEPC. Mike Knoblock spoke with Jan Snavely.

On May 7th the maintenance department was able to estimate a total system loss of 660 gallons. Since the system is a closed loop 50:50 mixture it was assumed to be a 330 gallon discharge of ethylene glycol. The soil samples taken at the release sight showed no ethylene glycol present. It was therefore presumed the material was carried by the snow melt and storm runoff into a storm drain near by.

11. See attached analytical document and photographs.

12. It is difficult to determine the circumstances under which the incident occurred since we do not know when during the winter it occurred. However, it is reasonable to believe that a heavy snow fall would have:

    1. Obstructed visibility of the curbed area during the plowing operation.

    2. The snow accumulation would have masked any detection of the release from the damaged curb.

    3. The snow bank took considerable time to melt, which for then, delayed detection of the broken curb.

13. a. The value of the product would be approximately $1000.

    b. The damage of equipment cost would be approximately $5000.

    c. NA

    d. A comprehensive awareness training of snow removal employees should suffice. The cost of such training would not be very expensive. A second alternative of installing guard rails in the area could prove to very expensive.

14.

| Name | Title | Number |
|---|---|---|
| Michael Knoblock | Envir. Manager | 419-755-5118 |
| David Stroup | Sr. Envir. Eng. | 419-755-5117 |

WADSWORTH/ Laboratories
Division of Enseco Incorporated

Corporate and Laboratory:
4101 Shuttel Drive, NW
North Canton, OH 44720
216-497-9396
FAX 216-497-0772

# ANALYTICAL REPORT

MAY 14 12 19 PM '93
MASTER MECHANICS
DEPARTMENT 40

DAVE STROUP

GENERAL MOTORS CORPORATION

ENSECO-WADSWORTH/ALERT LABORATORIES

Thomas M. Himes
Project Manager

Mark P. Nebiolo
Laboratory Manager

May 12, 1993

*Laboratories:*
Pittsburgh, PA
412-826-5477

Tampa, FL
813-621-0784

# PROJECT NARRATIVE

The following report contains the analytical results for one solid sample submitted to Enseco-Wadsworth/ALERT Laboratories by General Motors Corporation from the CPC Mansfield Site. The sample was received May 6, 1993, according to documented sample acceptance procedures.

Enseco-Wadsworth/ALERT Laboratories utilizes only USEPA approved methods and instrumentation in all analytical work. The sample presented in this report was analyzed for the parameters listed on the following page in accordance with the methods indicated. A summary of QC data for these analyses is available upon request.

# ANALYTICAL METHODS SUMMARY

Enseco-Wadsworth/ALERT Laboratories utilizes only USEPA approved methods in analytical work. The methods used for the analyses presented in the following report are listed below.

| Parameters | Methods |
|---|---|
| Ethylene Glycol;GC/FID | SW846 8015 |
| Solids, Total (TS) | USEPA 160.3 MODIFIED |

**References:**


SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, September, 1986.

USEPA 600/4-79-02, "Methods for Chemical Analysis of Water and Wastes", March, 1983.

# SAMPLE SUMMARY

The analytical results of the samples listed below are presented on the following pages.

| WO # | LABORATORY ID | SAMPLE IDENTIFICATION |
|---|---|---|
| D2213 | A3E060023-001 | SOIL SAMPLE FROM RACK STORAGE 5-6-93 9:45 |

GENERAL MOTORS CORPORATION

SOIL SAMPLE FROM RACK STORAGE 5-6-93 9:45

WO #: D2213102
LAB #: A3E060023-001 DATE RECEIVED: 5/06/93
MATRIX: SOLID

- - - - - - - - - - - - - - - - - - REQUESTED PARAMETERS - - - - - - - - - - - - - - - - - -

| PARAMETER | RESULT (mg/kg) | REPORTING LIMIT | METHOD | EXTRACTION-ANALYSIS DATE | QC BATCH |
|---|---|---|---|---|---|
| Ethylene glycol | ND | 10 | SW846 8015 | 5/06/93 | 3127072 |

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

GENERAL MOTORS CORPORATION

SOIL SAMPLE FROM RACK STORAGE 5-6-93 9:45

WO #: D2213
LAB #: A3E060023-001 DATE RECEIVED: 5/06/93
MATRIX: SOLID

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

| PARAMETER | RESULT | REPORTING LIMIT | UNIT | METHOD | PREPARATION - ANALYSIS DATE | QC BATCH |
|---|---|---|---|---|---|---|
| Solids, Total (TS) | 70.5 | 0.50 | % | USEPA 160.3 | 5/07/93 | 3127037 |

NOTE: AS RECEIVED

PART I, A. – FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 2IS00045001. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

| EFFLUENT CHARACTERISTIC | | | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS | |
|---|---|---|---|---|---|---|---|---|
| | | | Concentration Other Units (Specify) | | Loading kg/day | | | |
| REPORTING CODE/UNITS | | PARAMETER | 30 DAY | DAILY | 30 DAY | DAILY | Measurement Frequency | Sample Type |
| 50050 | MGD | Flow Rate | – | – | – | – | 1/Month | 24 Hr. Total |
| 00550 | MG/L | Oil and Grease, Total | – | 10 | – | – | 1/Month | Grab |
| 01094 | UG/L | Zinc, Total Recoverable | – | – | – | – | 1/Quarter | Grab |
| 00980 | UG/L | Iron, Total Recoverable | – | – | – | – | 1/Quarter | Grab |
| 01055 | UG/L | Manganese, Suspended (Mn) | – | – | – | – | 1/Quarter | Grab |

2. The pH (Reporting Code 00400) shall not be less than 6.5 S.U. nor greater than 9.0 S.U. and shall be monitored 1/month by grab sample.

3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.





State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.
Columbus, Ohio 43266-0149
(614) 644-3020
FAX (614) 644-2329

Received M. Knobelock
6-14-93
3:30 PM

George V. Voinovich
Governor

Donald R. Schregardus
Director

# FACSIMILE INFORMATION

Send to: Michael D. Knobelock Ext. _____

Company Name: General Motors

Facsimile Number Receiving Info: 419-755-5844

From: Shirley Reed / OEPA / DERR / ER Ext. _____

Facsimile Number Sending Info: (614) 644-3250

No. of Pages: 3 including this instruction page.

Special Instructions: _____

SENDER: AFTER TRANSMISSION, Original should be: (CHECK ONE)

[] DISCARDED:
[] PICKED-UP:

RECEIVER: IF YOU DO NOT RECEIVE THE NUMBER OF PAGES SPECIFIED ABOVE OR RECEIVE POOR COPY, PLEASE NOTIFY US.

**Note to Receiver:** Per your phone request today, 6/14/93.

Printed on recycled paper

This is your company's opportunity to explain in its own words, the circumstances and actions relating to the release of pollutants to the environment. If any of the following questions are not applicable to you incident, indicate NA for that item.

1. Reporting

(a) Time and date of discharge/release.
(b) Time and date of discovery that the discharge had occurred.
(c) When and to who was the release first reported?
(d) Indicate the identification number referenced in the cover letter
(e) Who notified Ohio EPA/U.S. EPA?

2. Location

(a) Mailing address.
(b) Location of discharge; County, Township and City.
(c) Longitude and latitude if source was non-transportation. (or enclose copy of a portion of a U.S. GS map showing location)
(d) Distance and direction from nearest intersection (or milepoint) i transportation related.

3. Product Release

(a) Please give the common and technical name(s) of the material(s) released and CAS Number(s).
(b) Is the product listed under Section 302 (a) of SARA Title III or CERCLA 102(a). (If yes, then a copy of your response to these questions should be sent to your LEPC).
(c) What was the quantity and duration of the discharge. Indicate volume in gallons or pounds.

4. Environmental Impact

(a) Did the product reach "Waters of the State:? Provide the name of the water course. (Undergr d waters are waters of the State.)
(b) What was the length or area of the water affected?
(c) If no water was affected, what was the surface area and depth of soil contamination. Please provide area of soil contamination ev when waters are affected.
(d) Did any evacuation result?
(e) Was any animal or vegetation damage observed?
(f) Were any health effects reported? How many humans were exposed/injured?
(g) Was medical advice provided for exposed individuals?

5. Monitoring and Detection

(a) Describe how the release was detected and monitored to determine off-site concentration. (Be specific as to any monitoring system in place at your facility.)
(b) If the release was airborne, how was the wind direction and speed determined?
(c) Was the public warned and if so, how?

6. Mitigation, Containment Action

(a) How much product or waste was recovered or neutralized.

OVER

(b) How was the material recovered or neutralized?
(c) Where was the cleanup waste taken?
(d) Were any other actions taken to reduce the impact of the discharg
(boom, siphon dams, sorbent)?

7. Please provide plans to eliminate any future spills discharges or emissions which may occur at this specific source. This may include; employee training, replacement of equipment, construction, or securit measures such as lighting, fencing or locks.

If this is the second oil spill at this location, or a spillage of ov 1,000 gallons which has reached water, then you must submit copies of your Spill Prevention Control and Countermeasure Plan (SPCC) to the USEPA Regional Administrator and to this Agency within 60 days from t time of the discharge as provided by 40 CFR 112.4. Your SPCC plan should be submitted with your response to this letter.

8. Health Risks

(a) What protective precautions were taken as a result of the release?
(b) List known or anticipated acute and chronic health risks of exposure to the substances which are released. Site source of information provided.

9. Indicate any air, water, or other permit numbers which may be pertinen to this incident. Please indicate type of permit(s).

(a) If this is an NPDES/air permit, please enclose a copy of your current effluent/emission limitations.

10. Provide a chronological review of the incident. Include a chronology of communications with state and local government agencies.

11. Provide any photographs, reports or other documents whether generated by your company or outside entities which are germane to the incident (e.g. accident reports, manifest, bills of lading laboratory analyses?)

12. Describe any extenuating circumstances which caused the discharge.

13. Economic Impact (This question is voluntary)

(a) What was the dollar value if any of the spilled product?
(b) What was the equipment damage cost?
(c) What were the costs of spill cleanup?
(d) What are the estimated costs of spill prevention to eliminate possible reoccurrence of this event?

14. Provide the name and title of the environmental contact(s) at your company and their telephone number.

Submit your response within 30 days to:

Ohio EPA, Office of Emergency Response
P.O. Box 1049, 1800 WaterMark Drive
Columbus, Ohio 43266-0149

Revised 11/89

# Emergency Response Section - Initial Pollution Incident Report (IPIR)

1/7/2011

**Spill Id Number:** 9010-70-5040 **District:** CD

**Reported By:** COMPANY
**Title:**
**Telephone:** (000) 000-0000 **ext:**
**Affiliation:** COMPANY

**Reported:** 10/24/1990 15:49
**Discovered:** 10/24/1990 08:30
**Occurred:** 00/00/0000
**Chronic:** N

**County:** RICHLAND **City/Township:** MANSFIELD
**Did Spiller Report ?** N **Complaint ?** N
**Received By:** PRE1993 TO ENTER **Priority:** 3
**Local EPC ?** N **Did you tell the Spiller to Call the N.R.C ?** N
**Business:** N **SARA Report:** N

**Suspected Spiller:** GENERAL MOTORS / CHEVROLET PROD CENTER
**Mailing Address:** 2525 W. FOURTH ST.

**Telephone:** (419) 755-5351 **ext:**

**Location:** 2525 W. FOURTH ST.
**Source:** FIXED FACILITY - INDUSTRY - WASTE SYSTEM
**Cause:** PERMIT VIOLATION **Reason:** UNKNOWN REASONS
**Waterways Affected:** CLEAR FORK TRIB **Media Affected 1:** SURFACE WATER/STORM
**Media Affected 2:** **Media Affected 3:**

## Product(s) Spilled

| Product | Amount | UOM | RQ | Size | Type | EHS |
|---|---|---|---|---|---|---|
| WASTE WATER | .0 | UNK | .0 | U | WW | N |

## Other Agencies Notified

| Agency | Person | Date | Time |
|---|---|---|---|
| DSW/WW | | 00/00/0000 | |

## Remark

5040
30 mg/l and they are permitted to 10 mg/l. Wes.

# Emergency Response Section - Initial Pollution Incident Report (IPIR)

1/7/2011

**Spill Id Number:** 9809-70-4023 **District:** CD

| | | | |
|---|---|---|---|
| **Reported By:** | KAREN KEYS | **Reported:** | 09/26/1998 12:36 |
| **Title:** | ENV ENG | **Discovered:** | 09/25/1998 13:00 |
| **Telephone:** | (419) 755-5307 **ext:** | **Occurred:** | 09/25/1998 |
| **Affiliation:** | COMPANY | **Chronic:** | N |

| | | | |
|---|---|---|---|
| **County:** | RICHLAND | **City/Township:** | MANSFIELD |
| **Did Spiller Report ?** | Y | **Complaint ?** | N |
| **Received By:** | BILLMAN, JODI | **Priority:** | 3 |
| **Local EPC ?** | N | **Did you tell the Spiller to Call the N.R.C ?** | N |
| **Business:** | Y | **SARA Report:** | Y |

**Suspected Spiller:** GENERAL MOTORS
**Mailing Address:** 2525 W 4TH ST

**Telephone:** (419) 755-5307 **ext:**

**Location:** 2525 W 4TH ST
**Source:** FIXED FACILITY - INDUSTRY - PIPING (UNDERGROUND)
**Cause:** DA / CUT OR BREAK **Reason:** BREAK OR BROKEN
**Waterways Affected:** DITCH AND STORM SEWER **Media Affected 1:** LAND OR LAND SURFACE
**Media Affected 2:** SURFACE WATER/STORM SEWER **Media Affected 3:**

## Product(s) Spilled

| Product | Amount | UOM | RQ | Size | Type | EHS |
|---|---|---|---|---|---|---|
| ETHYLENE GLYCOL | 3,300.0 | LBS | .0 | M | WC | N |

## Other Agencies Notified

| Agency | Person | Date | Time |
|---|---|---|---|
| FD | CALLED | 00/00/0000 | |
| RTK | BEATTIE | 00/00/0000 | |
| LEPC | CALLED | 00/00/0000 | |

## Remark

UNDERGROUND PIPING CONTAINING ETHYLENE GLYCOL HAS BROKEN AND IS RELEASING TO STORM SEWER THAT EVENTUALLY GOES TO A DITCH. RELEASE WAS DISCOVERED YESTERDAY BUT DID NOT CALL UNTIL TODAY. DIKE IS OUT IN DITCH AND K&D IS CLEANUP. KEYS IS CALLING FD AND LEPC NEXT. GREEN NOTIFIED DALTON.

# Emergency Response Section - District Office Investigation Report (DOIR)

**Spill Id Number:** 9809-70-4023 **OSC:** 1752 - DALTON, MIKE
**Spill Status:** CONTINUING

| | Date | Time |
|---|---|---|
| **Reported:** | 09/26/1998 | 12:36 |
| **Discovered:** | 09/25/1998 | 13:00 |
| **Occurred:** | 09/25/1998 | |

**Reported By:** KAREN KEYS
**Title:** ENV ENG
**Affiliation:** COMPANY
**Telephone:** (419) 755-5307 **Extension:**

## Spill Location Information

**County:** RICHLAND
**City/TWP:** MANSFIELD
**Location:** 2525 W 4TH ST
**Waterway:** DITCH AND STORM SEWER
**Length:** 0
**Land Area:**
**Latitude:** - - . N
**Longitude:** - - . W

## Entity Information

**Name/Company:** GENERAL MOTORS
**Address:** 2525 W 4TH ST
**City:** MANSFIELD **State:** OH **Zip Code:** 0
**Telephone:** (419) 755-5307 **Ext:**
**SPCC Plan Req:** N **SPCC Plan in Effect:** N

## Entity Representatives

## Products Spilled

| Product | Amount | UOM | Type |
|---|---|---|---|
| ETHYLENE GLYCOL ANTIFREEZE | 3,300.0 | LBS | WC |

**Source:** FIXED FACILITY - INDUSTRY - PIPING (UNDERGROUND)
**Cause:** DA / CUT OR BREAK
**Reason:** BREAK OR BROKEN
**Media Affected:** LAND OR LAND SURFACE IMPACT
SURFACE WATER/STORM SEWERS

## Other Contacts

## Referrals

# Emergency Response Section - District Office Investigation Report (DOIR)

**Spill Id Number:** 9809-70-4023
**OSC:** 1752 - DALTON, MIKE
**Status:** FINAL
**Activity Date:** 09/26/1998
**Phone Followup:** YES

OSC DALTON WAS NOTIFIED BY THE DUTY OFFICER THAT GENERAL MOTORS HAD REPORTED AN ETHYLENE GLYCOL LEAK THAT WAS IMPACTING A WATERWAY. THE OSC CALLED THE FACILITY AND SPOKE WITH MS. KAREN KEYS, AN ENVIRONMENTAL COMPLIANCE SUPERVISOR. MS. KEYS TOLD THE OSC THE LEAK HAD BEEN DISCOVERED WHEN DISCOLORED WATER WAS NOTICED DISCHARGING FROM A STORM SEWER INTO A NEARLY DRY DRAINAGE DITCH. THE STORM SEWER SERVICED A SMALL AREA OF THE PLANT AND IT WAS QUICKLY DETERMINED THE MATERIAL WAS ANTIFREEZE FROM A DE-ICING SYSTEM. A PIPE BURIED UNDER THE CONCRETE IN THE RACK STORAGE AREA HAD DEVELOPED A LEAK AND THE ANTIFREEZE WAS INFILTRATING THE STORM SEWER. THE LOCATION OF THE LEAK HAD NOT BEEN DETERMINED AS YET, DUE TO THE LARGE AREA THE PIPING COVERED. THE SYSTEM DE-ICED AN AREA 40 BY 600 FEET.

THE ANTIFREEZE WAS 50/50 % ETHYLENE GLYCOL AND WATER WITH FLUORESCENT DYE IN IT, JUST LIKE VEHICLE ANTIFREEZE. THE DYE WAS WHAT HAD BEEN NOTICED IN THE DRAINAGE DITCH. THE SYSTEM ANTIFREEZE CAPACITY WAS GALLONS.

THE OSC ASKED ABOUT CONTAINMENT AND REMOVAL OF THE ANTIFREEZE. MS. KEYS STATED THAT K & D ENVIRONMENTAL SERVICES WERE ENROUTE TO VACUUM THE ANTIFREEZE FROM THE CREEK. THE OSC ASKED IF THE SYSTEM HAD BEEN DRAINED AND MS. KEYS TOLD HIM THE RESERVOIR HAD BEEN DRAINED BUT THE PIPE COULD NOT BE DRAINED SINCE THERE WAS NO PLACE TO TAP IT. THEY PLANNED TO HAVE K & D DIG A TRENCH TO INTERCEPT THE ANTIFREEZE BEFORE IT ENTERED THE STORM SEWER AND THEN RECOVER FROM THE TRENCH. THE OSC SUGGEST SHE HAVE K & D USE THE VACUUM TRUCK TO VACUUM THE ANTIFREEZE OUT OF THE PIPES TO PREVENT ANY MORE LOSS. HE FURTHER SUGGESTED THEY REPLACE THE ANTIFREEZE IN THE SYSTEM WITH WATER TO HELP FLUSH THE ANTIFREEZE THAT HAD ALREADY LEAKED INTO THE STORM SEWER AND SPEED THE RECOVERY PROCESS.

MS. KEYS AGREED TO TRY THESE MEASURES. THE OSC DECIDED NO RESPONSE TO THE SCENE WAS NECESSARY AS APPROPRIATE MEASURES WERE BEING TAKEN.

# Emergency Response Section - District Office Investigation Report (DOIR)

**Spill Id Number:** 9809-70-4023
**OSC:** 1752 - DALTON, MIKE
**Status:** CONTINUING
**Activity Date:** 10/16/1998
**Phone Followup:** YES

OSC DALTON RE-CONTACTED MS. KEYS TO CHECK ON PROGRESS IN RECOVERING THE ANTIFREEZE. MS. KEYS TOLD THE OSC THE TRENCH HAD BEEN DUG AS PLANNED AND A NUMBER OF PLASTIC TILES HAD BEEN INTERCEPTED AND CUT. SOME TILES STILL REMAINED AND THERE WAS AN ON-GOING BUT VERY MINOR DISCHARGE TO THE DRAINAGE DITCH. THE TRENCH WAS PUMPED OUT DAILY AND THE LIQUID WAS THEN TAKEN TO THE ON-SITE TREATMENT PLANT. ABOUT 1,500 GALLONS A DAY OF WATER AND ANTIFREEZE WAS RECOVERED AND TREATED. THE ETHYLENE GLYCOL CONTENT OF THE LIQUID IN THE TRENCH HAD ORIGINALLY BEEN 10 %, BUT HAD DECREASED TO 0.4 % AT PRESENT. THE DE-ICING SYSTEM HAD BEEN FLUSHED WITH WATER THREE TIMES AND THEN EXPOSED AND DRAINED AT ITS LOW POINT.

THE OSC ASKED IF ANY EFFORT HAD BEEN MADE TO INTRODUCE FRESH WATER INTO THE GRAVEL UNDER THE CONCRETE PAD OF THE RACK STORAGE AREA TO INCREASE THE NATURAL FLUSHING. MS. KEYS SAID THAT HAD NOT BEEN TRIED, DUE TO THE LARGE AREA INVOLVED. DURING THE COURSE OF THE RECOVERY EFFORT TO DATE, THE WEATHER HAD BEEN UNUSUALLY DRY. NORMAL FALL RAINS SHOULD INCREASE THE INFILTRATION INTO THE GRAVEL AND RESULT IN INCREASED FLOW TO THE TRENCH. THIS COULD BE EXPECTED TO EITHER DILUTE THE REMAINING ANTIFREEZE TO NON-DETECTABLE LEVELS OR FINISH FLUSHING IT INTO THE TRENCH.

MS. KEYS ALSO TOLD THE OSC SHE HAD JUST SENT A FOLLOW-UP LETTER TO THE OHIO EPA TO UPDATE THE INITIAL VERBAL REPORT.

# Emergency Response Section - District Office Investigation Report (DOIR)

Spill Id Number: 9809-70-4023

FIKSIRF

OhioEPA
State of Ohio Environmental Protection Agency

# INITIAL POLLUTION INCIDENT REPORT 1990

I.D. Number 11-70-5308 ☐ Confidential Status Requested/Enforcement Sensative

1. Time & Date Reported [redacted] 1554 11/12 2. Discovered ____ 3. Occurred 10/30
4. Reported by (Name) Ed Fish Title [redacted] Chief Powerhouse Eng
5. Telephone 419-755-5351 Entity Reporting: Co. Did Spiller Report? (Y) N Complaint? Y (N)
6. Suspected Spiller G.M. Telephone ____
7. Mailing Address ____
12. Location of Spill: (County) Richland (Town/TWP) Mansfield (Section) ____
13. (Street Location) 2525 4th St (Lat & Long) ____
15. Product Spilled oil & grease 16. Amount 14 mg/L RQ? yes Type: O Size: U
Product Spilled ____ Amount ____ RQ? ____ Type: ____ Size: ____
Sources of Spill NPDES violation Size: U Priority: IV
17. Areas Affected Waterway/Topography: A L (W) G O N creek Weather NA
20. Exposure Potential L M G E ____ Protection Level A B C D ____
EJ O 49 NG

- 14 mg/L [illegible] of oil & grease in stormwater → 10 mg/L is permitted level
- left message at facility @ 1610 11/12
Fish @ 1437 11/14 → possible source is that found trucking terminal [redacted] which had quit on cleanup which has stormwater runoff, are piles of diesel fuel contam. soil, OEPA & SFM are supposed to have been there on 11/13. ds Bender & Louden Trucking Co., requested he contact district office DWPC and report NPDES violation

Did You Tell Spiller To Call: The N.R.C.? Y N (1-800-424-8802, Washington, D.C.) The Local EPC? Y N (# in Duty Book)

| | Send Copy | Time & Date | Talked to |
|---|---|---|---|
| District Office CDO/NW | ☐ | 4/13 0905 | WEO |
| USEPA/USCG | ☐ | | |
| SFM (752-7938) | ☐ | | |
| ODNR (night 265-7006) | ☐ | | |
| District Engineer | ☐ | | |
| Water Supply (4-2752) | ☐ | | |
| DSHWM | ☐ | | |
| Dept. of Health | ☐ | | |
| ODA (866-6361) | ☐ | | |
| PIC (2160) Al Franks (848-9691) | ☐ | | |
| Local Agency or LEPC | ☐ | | |
| Local FD or PD | ☐ | | |
| WQMA/Ground Water | ☐ | | |
| G.M. | | 1435 11/14 | Ed Fish |

0.1 hr

revised: 1-89
EPA 0300

Follow-up
Business: Y N SARA Report: Y N District: Y N ____

Received By R. Canto

Chevrolet·Pontiac·Canada Group

**Mansfield Plant**
General Motors Corporation
2525 West 4th Street
P.O. Box 2567
Mansfield, Ohio 44906

Certified Mail
Return Receipt Requested
No P 923 053 177

November 16, 1990

Ohio Environmental Protection Agency
361 E. Broad Street
P.O. Box 1049
Columbus, Ohio 43266-0149

RECEIVED
'90 NOV 19 P3:05
EMERGENCY RESPONSE
RECEIVED
NOV 19 1990
OH. EPA
REGIONAL RESPONSE

Dear Sir:

The intent of this letter is to provide written confirmation of the telephone notification No. 11-70-5308 made to the office of Ohio Environmental Protection Agency Emergency Response on November 12, 1990 at 3:43 p.m. concerning an excursion of oil and grease in our storm water effluent.

Listed below is pertinent information:

| | |
|---|---|
| Callers Name: | Edward Fish |
| Position: | Chief Power House Engineer |
| Company: | C-P-C Group of General Motors Corp.<br>Mansfield Fabricating Plant<br>2525 W. Fourth Street<br>Richland County<br>Mansfield, Ohio 44906 |
| Telephone: | (419) 755-5351 |
| NPDES Permit #: | 2IS00045*CD |
| Application #: | OH0006050 |
| Level of Excursion: | 14 mg/l on 10-30-90 |
| Permit Limitation: | 10 mg/l |
| Streams Affected: | Unnamed tributary to Clearfork Reservoir |

A follow up call made to Mr. Rich Carter, Duty Officer, Ohio EPA Emergency Response, on November 14, 1990 and logged as Notification No. 11-70-5339. The purpose of the phone call was to report results of the investigation as to the source of the oil and grease detected in the storm water discharge samples taken on October 8 and October 30, 1990.

There were no spills reported on the plant property to cause a release. Visual monitoring of the lagoon noted normal conditions. The floating baffle, brill skimmer and underflow weir were all in place and operating properly in the storm water pond during this period.

Two ditches (hereafter referred to as "Beer Road" and "State Route 309" ditches) which flow onto C-P-C property were inspected the morning of 11-13-90 to determine if surface water runoff from the adjacent commercial and industrial properties may have caused contamination. A visible sheen was observed on the surface of the water in the ditch along Beer Road. Visual trail of the sheen led the observer upstream to the former Bender & Louden Trucking Terminal, where the contamination apparently originated. This terminal, located at 815 N. Beer Road, was once the site of underground diesel fuel tanks.

Absorbent socks are in place where the Beer Road and State Route 309 ditches flow on to C-P-C property. The sock along Beer Road had become tangled in the fence, allowing contaminants (observed as visible oil sheen) to enter our property. Absorbent pads were used to blot up the contaminantson November 11, 1990.

The C-P-C Mansfield storm water pond discharge was sampled again on November 12, 1990. The oil & grease level was found to be within the permit limitation. The results were as follows:

| | | |
|---|---|---|
| C-P-C Storm Water Pond | 2 mg/l | 11-12-90 |

C-P-C Mansfield has increased inspection frequency of the Beer Road ditch to ensure that the absorbent sock is in place and to note visual appearance of the ditch.

Contamination flowing onto the C-P-C property from the ditch along Beer Road appears to have caused the oil & grease level in the C-P-C Mansfield storm water pond discharge to exceed the NPDES permit limit during the month of October 1990.

Please contact Edward Fish at (419) 755-5351 if there are any questions regarding this matter.

Sincerely,

for Jorge Broggio
Plant Manager

cc: R. Baker Ohio EPA NWDO
file

# Emergency Response Section - Initial Pollution Incident Report (IPIR)

1/7/2011

**Spill Id Number:** 9011-70-5308 **District:** CD

**Reported By:** CO
**Title:**
**Telephone:** (000) 000-0000 **ext:**
**Affiliation:** COMPANY

**Reported:** 11/12/1990 15:54
**Discovered:** 10/30/1990 :
**Occurred:** 00/00/0000
**Chronic:** N

**County:** RICHLAND **City/Township:** MANSFIELD
**Did Spiller Report ?** N **Complaint ?** N
**Received By:** PRE1993 TO ENTER **Priority:** 4
**Local EPC ?** N **Did you tell the Spiller to Call the N.R.C ?** N
**Business:** N **SARA Report:** N

**Suspected Spiller:** G M
**Mailing Address:** N/A

**Telephone:** (000) 000-0000 **ext:**

**Location:** 2525 4TH ST.
**Source:** FIXED FACILITY - INDUSTRY - CULVERT/MANHOLE/OUTFALL
**Cause:** PROCESS MALFUNCTION **Reason:** RAIN / FLOODING
**Waterways Affected:** CREEK **Media Affected 1:** SURFACE WATER/STORM
**Media Affected 2:** **Media Affected 3:**

## Product(s) Spilled

| Product | Amount | UOM | RQ | Size | Type | EHS |
|---|---|---|---|---|---|---|
| OIL & GREASE | .0 | UNK | .0 | U | O | N |

## Remark

5308
14 mg/l of oil to grease in storm water - 10 mg/l is permitted level, left message at facility @ 1610 11/12, Fish @ 1437 11/14 - possible source is that found trucking terminal which had quit on clean up which has storm water runoff, are piles of diesel fuel contaminated soil, OEPA & SFM are supposed to have been there on 11/13. Is Bender & Louden Trucking Co, requested he contact district office DWPC and report NPDES violation. Wes.

Mansfield/Ontario/Richland County
# Health Department

555 Lexington Ave. • Mansfield, OH 44907 • 419-774-4500 • www.richlandhealth.org
FAX Administration 419-774-4557 • FAX Clinic 419-774-4585
Combined Board of Health • Stan Saalman, Commissioner

## ENVIRONMENT SITE ASSESSMENT

Date: January 4, 2011
Service Request Number: 2011-01
By: Vicky Farmer, Tetra Tech
Address: 250 W Court Street Suite 200W
Cincinnati, OH 45202
Phone: 513-241-0149 Fax: 513-241-0354

Location: 2525 W 4th Street, Ontario 44906
Owner: General Motors Corp Fisher Body
Original Owner: _____ Date of Construction: _____

| | No Record | Permit Number | No Findings | Findings See Explanations Below | | |
|---|---|---|---|---|---|---|
| Nuisance | 0 | 0 | 0 | | | |
| Water Sample | | | 0 | | | |
| Water Supply System | | | | City of Ontario | | |
| Sewage Disposal | | | | City of Ontario | | |
| Plumbing System | 1 | 22000287 | 1 | 7/31/2000 on file | | |
| Underground Storage Tank | — | — | 1 | see attached | | |
| FSO est. | 1 | | 1988 | General Motors Cafe | | |
| | | | | ↘ Closed Jan 31, 2010 | | |

Comments: Food Service Operation license/inspections reports on file. Vending machine license/inspection reports on file.

-over-

Environment Site Assessment
Page 2

Field Observations: Large manufacturing plant with large parking lot; appears to be well secured.

Conclusions:

_____There are no known outstanding environmental problems or deficiencies associated with this site at this time.

_____Existing environmental problems and/or deficiencies are noted above.

_____This agency has no knowledge or information on the subject location.

Report by: Andrea S. Barnes, RS
Date: 1/5/2011

*Reported results are based on a review of records currently on file with the department. The department does not present this report as definitive nor exhaustive and assumes no responsibility or liability for problems or deficiencies which may subsequently come to light.

Referral:

✓ Zoning
✓ Fire Department
✓ Building Codes and Permits
✓ EPA

## Profile

| | | | |
|---|---|---|---|
| Parcel: | 0386015206000 | Land Use Code: | 320 |
| Alternate ID: | | LUC Description: | I - FOUNDERIES&HEAVY MANUFACT PLANTS |
| Address: | 2525 W FOURTH ST | Municipality: | ONTARIO CORP |
| Owner Details: | GEN MTRS CORP FISHER BODY<br>% RESIDENT COMPTROLLER | NBHD: | 03860C01 |
| | | Tax District: | |
| | | Zoning: | |
| Mailing Address: | PO BOX 9024 | Land Acres: | 129.08 |
| | | Topography: | LEVEL |
| | DETROIT MI 48202 9998 | Utilities: | 1 |
| Description: | ONTARIO VILLAGE<br>SW A 129.077 LT 9 10 11 PT<br>129.077 AC 2.52 A S H E | | |

## Value Summary

| | | | | | |
|---|---|---|---|---|---|
| Appraised Land: | 2065280 | Prior Land: | 2065280 | Assessed Land: | 722850 |
| Appraised Building: | 12591120 | Prior Building: | 12591120 | Assessed Building: | 4406890 |
| Appraised Total: | 25926000 | Prior Total: | 25926000 | Assessed Total: | 5129740 |

## Primary Residential Card

| | | |
|---|---|---|
| Card: | Basement: | Fireplace Pref.: |
| Stories: | Square Feet: | Fireplace OP/ST: / |
| Use: | HT/AC: | Basement Gar.: |
| Type: | Fuel: | Grade: |
| Year Built: | System: | Cond (CDU): |
| Year Remodeled: | Attic: | Percent Complete: |
| Total Rooms: | Finished Basement: | Family Room: |
| Bedrooms: | Recreation Room: | Ext. Material: |
| Full Bath: | Half Bath: | |

## Commercial Card

| | |
|---|---|
| Year Built: | Stories: |
| Eff. Yr. Built: | Gross Flr. Area: |
| Units: | Grade: |

## Land

| Classification | Eff. Front | Eff. Depth | Type | Acres |
|---|---|---|---|---|
| | | | A ACREAGE | |

## Agriculture

| Classification | Sub Class | Acres |
|---|---|---|

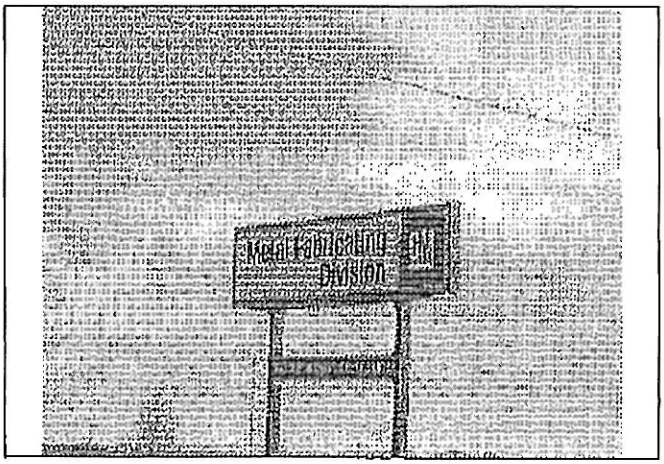
## OBY

| Card | Description | Year Built | Grade |
|---|---|---|---|

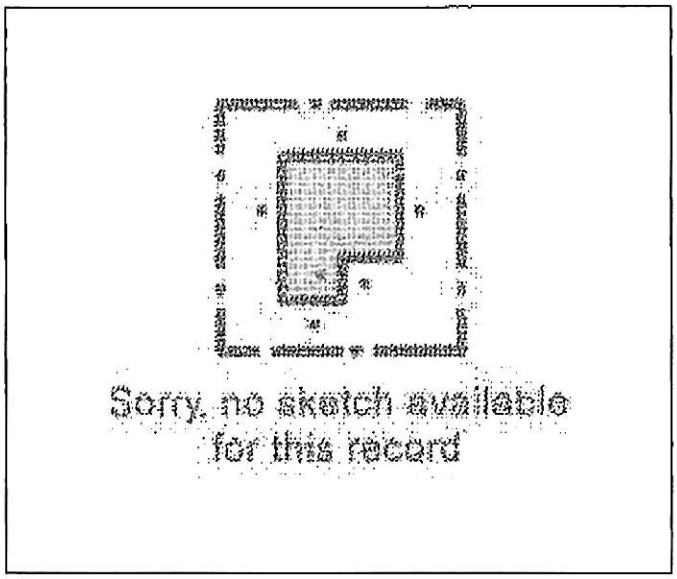
## Sales History

| Date | Book-Page | Grantor | Sale | Description | Parcels | Amount |
|---|---|---|---|---|---|---|

## Photo



## Sketch



## Facility Details

| | |
|---|---|
| **Facility ID** | 70000080 |
| **Facility Name** | MANSFIELD FABRICATING PLANT |
| **Address** | 2525 W 4TH ST |
| **City** | MANSFIELD |
| **Zip** | 44906 |
| **County** | Richland |
| **Type** | Gas Station |
| **24 HR Emergency Contact** | KAREN KEYS |
| **24 HR Emergency Phone** | (419)755-5307 |
| **Number of Tanks on Site** | |
| **Local Fire Dept** | SPRINGFIELD TWP FIRE DEPARTMENT |
| **Delegated Authority** | No |
| **Active Release Site** | No |

## Owner Details

| | |
|---|---|
| **Owner ID** | W000168 |
| **Owner Name** | MFD GROUP GENERAL MOTORS CORP |
| **Address** | PO BOX 2567 |
| **City** | MANSFIELD |
| **State** | OH |
| **Zip** | 44906 |
| **Phone** | (419)755-5307 |

## Tank Information

| Tank ID | Tank Type | Capacity | Content | Status |
|---|---|---|---|---|
| T00003 | Cathodically Protected Steel | 2000 | Diesel | REM-Removed |
| T00002 | Steel;Cathodically Protected Steel;;Double Walle | 2000 | Gasoline | REM-Removed |
| T00001 | Steel;Cathodically Protected Steel;;Double Walle | 2000 | Gasoline | REM-Removed |

## Permit Information

| Permit ID | Permit Status | Issue Date | LFD Permit ID |
|---|---|---|---|
| P00001 | Closed | 7/18/2001 | |
| P00002 | Closed | 10/16/2002 | |

## Inspection Information

| Inspection ID | Permit Number | Inspection Date | Code | Type |
|---|---|---|---|---|
| I00001 | P00002 | 12/17/02 | 103 | Final |

# Enforcement & Compliance History Online (ECHO)



## Detailed Facility Report

Map Report Help Data Dictionary

**For Public Release - Unrestricted Dissemination Report Generated on 01/05/2011**
**US Environmental Protection Agency - Office of Enforcement and Compliance Assurance**

### Facility Permits and Identifiers

Data Dictionary

| Statute | System | Source ID | Facility Name | Street Address | City | State | Zip |
|---|---|---|---|---|---|---|---|
| | FRS | 110039584731 | MOTORS LIQUIDATION COMPANY FKA GENERAL MOTORS COR | 2525 WEST FOURTH STREET | ONTARIO | OH | 44906 |
| RCRA | RCR | OHR000156034 | MOTORS LIQUIDATION COMPANY FKA GENERAL MOTORS CORP | 2525 WEST FOURTH STREET | ONTARIO | OH | 44906 |

### Facility Characteristics

Data Dictionary

| Statute | Source ID | Universe | Status | Areas | Permit Expiration Date | Latitude/ Longitude | Indian Country? | SIC Codes | NAICS Codes |
|---|---|---|---|---|---|---|---|---|---|
| | 110039584731 | | | | | LRT: 40.774957 , -82.606081 | No | | |
| RCRA | OHR000156034 | SQG | Active (H ) | | | | No | | 33637 |

If the CWA permit is past its expiration date, this normally means that the permitting authority has not yet issued a new permit. In these situations, the expired permit is normally administratively extended and kept in effect until the new permit is issued.

For the RCRA program, activities that contribute to an overall facility status of Active are displayed in parentheses using the acronym HPACS, where H indicates handler activities, P - permitting, A - corrective action, C - converter, and S - state-specific. More information is available in the Data Dictionary.

### Inspection and Enforcement Summary Data

Data Dictionary

| Statute | Source ID | Insp. Last 05Yrs | Date of Last Inspection | Formal Enf Act Last 05 Yrs | Penalties Last 05 Yrs |
|---|---|---|---|---|---|
| RCRA | OHR000156034 | 0 | Never | 0 | $00 |

### Compliance Monitoring History (05 years )

Data Dictionary

| Statute | Source ID | System | Inspection Type | Lead Agency | Date | Finding |
|---|---|---|---|---|---|---|
| - No data records returned. | | | | | | |

Entries in *Italics* are not considered inspections in official counts.

### Compliance Summary Data

Data Dictionary

Information on the nature of alleged violations is available on the FAQ page.

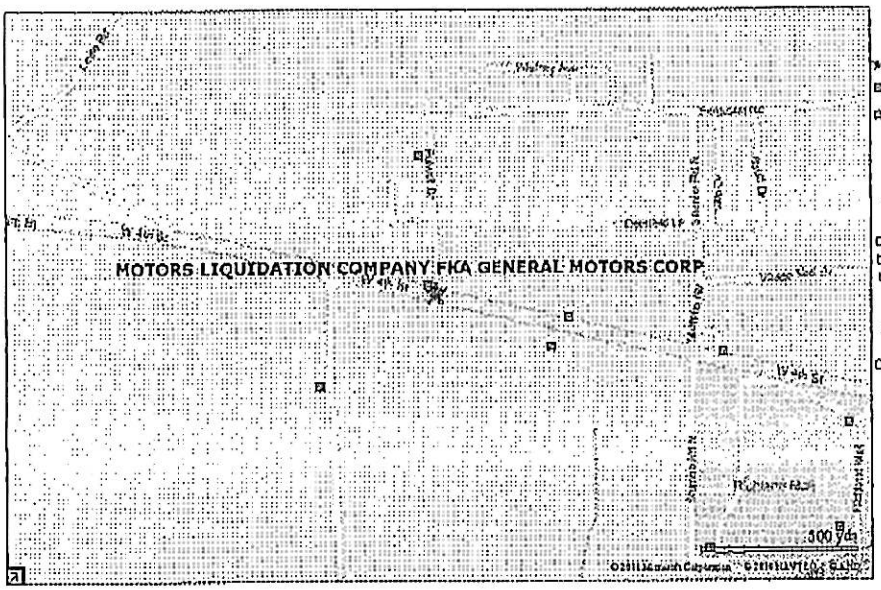
| Statute | Source ID | Current SNC/HPV? | Description | Current As Of | Qtrs in NC (of 12) |
|---|---|---|---|---|---|

## Facility Registry System (FRS)



# Facility Detail Report

**MOTORS LIQUIDATION COMPANY FKA GENERAL MOTORS CORP**
2525 WEST FOURTH STREET
ONTARIO, OH 44906
EPA Registry Id: 110039584731




**Legend**
- Selected Facility
- EPA Facility of Interest
- State/Tribe Facility of Interest

The facility locations displayed come from the FRS Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all coordinates.

### Environmental Interests

| Information System | Information System ID | Environmental Interest Type | Data Source | Last Updated Date | Supplemental Environmental Interests |
|---|---|---|---|---|---|
| RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM | OHR000156034 | SQG (ACTIVE) | RCRAINFO | 12/01/2009 | |

**Additional EPA Reports:** MyEnvironment | Enforcement and Compliance | Site Demographics | Watershed Report

### Standard Industrial Classification Codes (SIC)

No SIC Codes returned.

### National Industry Classification System Codes (NAICS)

| Data Source | NAICS Code | Description | Primary |
|---|---|---|---|
| RCRAINFO | 33637 | MOTOR VEHICLE METAL STAMPING | |

### Facility Codes and Flags

| | |
|---|---|
| EPA Region: | 05 |
| Duns Number: | |
| Congressional District Number: | |
| Legislative District Number: | NW |
| HUC Code/Watershed: | 05040002 / MOHICAN |
| US Mexico Border Indicator: | NO |
| Federal Facility: | NO |
| Tribal Land: | NO |

### Facility Mailing Addresses

| Affiliation Type | Delivery Point | City Name | State | Postal Code | Information System |
|---|---|---|---|---|---|
| FACILITY MAILING ADDRESS | 2525 WEST FOURTH STREET | MANSFIELD | OH | 44906 | RCRAINFO |
| REGULATORY CONTACT | 2525 WEST FOURTH STREET | MANSFIELD | OH | 44906 | RCRAINFO |
| OWNER | 300 RENAISSANCE CTR | DETROIT | MI | 48265 | RCRAINFO |
| OPERATOR | 300 RENAISSANCE CTR | DETROIT | MI | 48265 | RCRAINFO |

### Alternative Names

| Alternative Name | Source of Data |
|---|---|
| MOTORS LIQUIDATION COMPANY | RCRAINFO |

### Contacts

| Affiliation Type | Full Name | Office Phone | Information System | Mailing Address |
|---|---|---|---|---|
| REGULATORY CONTACT | MARVIN K ASBURY | 4197555307 | RCRAINFO | View |

### Organizations

| Affiliation Type | Name | DUNS Number | Information System | Mailing Address |
|---|---|---|---|---|
| OPERATOR | GENERAL MOTORS LLC | | RCRAINFO | View |
| OWNER | MOTORS LIQUIDATION COMPANY | | RCRAINFO | View |

REPORT #: 7081144 SITE LISTING UPDATE REPORT USTR ID#: 7080

___ MULTIPLE FACILITIES FOR THIS INCIDENT?

## [1] REASON FOR LISTING UPDATE

___ Written report/results received from owner/operator/consultant.
___ Verbal report/results received from owner/operator/consultant.
___ Written report received from BUSTR contractor.
___ Information collected from BUSTR field examination/inspection.
X Change in site coordinator/contractor assignment.
___ Other: renew

## [2] NEW SITE LISTING DATA

SITE NUMBER: 7081144 - 81001

SITE STATUS: ___ RPT ___ SUS X CON ___ ICA ___ FPR ___ EXP ___ LCA ___ NFA

SITE PRIORITY RATING: ___ 1 X 2 ___ 3 ___ 4 ___ 5

SITE CLASSIFICATION: ___ A ___ B ___ C X D X LTF ___ NON-LTF

SITE COORDINATOR: SCHNEIDER CONTRACTOR: _____ WK ORDR: _____

SITE SUMMARY (US EPA): _____

## [3] NEW EXCEPTION REPORT DATA

___ State plans to obligate over $100,000 at a site
___ State actually obligated over $100,000 at a site (cumulative expenses exceeded this Q)
___ State plans to use innovative or experimental technology at the site
___ State plans to provide permanent alternative drinking water supply
___ State plans to permanently relocate residents
___ State reached/received a cost recovery settlement; amount: _____

## [4] REMARKS

## [5] BUSTR ACTIONS TAKEN

UPDATE SUBMITTED BY: Lutz LOCATION: HQ DATE: 8/29/88

APPROVED: Unger DATE: 8/29/88 ENTRY: Thompson DATE: 8/30/88

REPORT #: |__|__|__|__|__|__|  SUSPECTED RELEASE REPORT  DATE: 9 | 19 | 88

TIME: 9 : 31

== [1] PERSON REPORTING THE RELEASE ==

NAME: Ed Fish  TITLE: Chief Powerhouse Engineer  PHONE: | 419 | 755-5351

AGENCY/COMPANY: GPC Mansfield Cokup - GM  RELATION TO SITE: owner

ADDRESS: 2525 W. Fourth St.  CITY: Mansfield  ST: OH  ZIP: 44906

REMARKS: Free product found floating on localized ground water over top of tanks; Mr. Fish said that water table is not that high and that water in tank area is high because of tank cavity fill w. slag which absorbs water; cavity walls are clay.

== [2] SUSPECTED RELEASE LOCATION ==

FACILITY: - Same as above - S.W. corner of Plant  USTR ID#:

ADDRESS:  COUNTY:

CITY:  ST:  ZIP:  PHONE: |  |

UST OWNER: General Motors  PHONE: |  |

REMARKS: Tanks taken out of service last April; head Hunter engineering to test tanks with water; not "Petro-tite" test! Regular and unleaded tanks passed; diesel tank failed

FIRE DEPT: Springfield Twp  CONTACT: Chief Wayne Dowler; Capt. Ron Hewey  PHONE: |  |

== [3] CONDITIONS LEADING TO REPORT OF SUSPECTED RELEASE (Check all that apply) ==

___ Inventory control results indicate a release may have occurred.

___ Testing, monitoring or sampling results indicate a release may have occurred.

___ Unusual operating conditions observed (e.g., sudden drop in tank volume).

✓ Impacts noticed in area surrounding tank (e.g., vapors, well contaminated, run-off).

___ Soil contaminated, or soil exceeds 100 ppm total hydrocarbons using G.C. or O.V.A.

___ Spill or overfill of petroleum in excess of 25 gallons.

___ Spill or overfill of petroleum less than 25 gallons when containment is not possible.

___ Spill or overfill of petroleum below ground, or soaking into ground after spill.

___ Spill or overfill of petroleum to surface water when petroleum creates sheen on water.

OTHER CONDITIONS: Noticed free product floating on localized water around tanks. But noticed no product or vapors in monitoring manhole for leak detection probe; free product was collected

== [4] SUSPECTED SUBSTANCE RELEASED ==

___ GASOLINE  ✓ DIESEL FUEL  ___ KEROSINE  ___ USED OIL  ___ HYDRO LIFT

___ OTHER PETRO  ___ HAZ SUBST  ___ PROBLEM FLAG  ___ UNKNOWN

********** COMPLETE REVERSE SIDE **********

== [11] REPORT DISPOSITION (Indicate actions taken on reverse side) ==

TAKEN BY: K. Gill  EMERGENCY ACTION? ___YES ✓NO BY: ___FM (  ) ___OEPA

COORD: _____  REPORT/ACTION APPROVED: _____  DATE: ___|___|___  TIME: _____

LOGGED BY: _____  DATE: ___|___|___  ENTERED BY: _____  DATE: ___|___|___

CIRCLE STATUS: RPT SUS CON (ICA) FPR SAP LCA NFA  PRIORITY: 1 (2) 3 4  CLASS: A B C (D) (LTF) NON-LTF

## (5) RELEASE INFORMATION

DATE FIRST DETECTED: 7 / 26 / 88 TIME: -:- MULTIPLE SUSPECTED SOURCES: ✓YES __NO

ACTUAL SUBSTANCE RELEASED: Diesel & Gasoline

EST. QUANTITY: -unknown- EST. CONCENTRATION: -unknown- EST. DURATION: -unknown-

MEDIA EFFECTED (Check all that apply):

__ PAVEMENT __ BASEMENT ✓ SOIL __ GROUND-WATER __ SURFACE WATER __ SEWERS

__ OTHER: Possibly groundwater; don't know what real water tables!

PROBABLE CAUSE: -unknown-

LTF ELIGIBLE? ✓YES __NO (Describe)

## (6) UST INFORMATION

FACILITY REGISTRATION CURRENT? __YES __NO __UNKNOWN (Attach USTR's for all facilities)

| UST NO. | AGE | CAPACITY | CONST. MATERIAL | PROTECTION INTERNAL | PROTECTION EXTERNAL | PROTECTION OVERFILL | RELEASE DETECTION | SUBSTANCE | STATUS |
|---|---|---|---|---|---|---|---|---|---|
| __ | __ | | | | | | | | |
| __ | __ | | | | | | | | |
| __ | __ | | | | | | | | |

(Record any additional tanks on additional pages)

PROBABLE LOCATION OF RELEASE: TANK NO. ___ PIPE BETWEEN _____ AND _____

OTHER POTENTIAL SOURCES OF RELEASE: _____

## (7) SITE/HAZARD INFORMATION

IMPORTANT SITE OR SURROUNDING AREA CHARACTERISTICS: _____

OTHER FIRE/WATER HAZARDS AT THE SITE: _____

KNOWN INJURIES OR PROPERTY DAMAGE: _____

PROXIMITY TO DRINKING WATER SOURCES: _____

## (8) INITIAL RESPONSE ACTIONS BY OWNER/OPERATOR (Check all that apply)

___ Release confirmation/Investigation (COMPLETE INVESTIGATION/CONFIRMATION REPORT)
✓ Initial corrective action procedures
___ Free product removal
___ Long term corrective action plan
___ Initial site investigation
___ Site assessment/Exposure assessment
___ Unknown/undetermined

## (9) OTHER AGENCIES NOTIFIED PRIOR TO THIS REPORT (As Reported)

AGENCY: _____ NAME: _____ DATE: ___/___/___ TIME: _____

AGENCY: _____ NAME: _____ DATE: ___/___/___ TIME: _____

## (10) BUSTR ACTIONS TAKEN

Tanks double walled, cathodically protected. Electronic leveling gages not working properly

705144

Chevrolet-Pontiac Canada Group
Mansfield Plant
General Motors Corporation
P.O. Box 2567
Mansfield, Ohio 44906

November 18, 1988

Mr. Bill Schneider
Ohio Division of State Fire Marshal
Bureau of Underground Storage Tank Regulation
8895 East Main Street
Reynoldsburg, Ohio 43068-3399

Dear Bill:

This letter is being written to document our conversation of 10-27-88, and to provide you with information regarding the underground tank cleanup and remediation activities at C-P-C Mansfield. Due to the age of the tanks and their double wall design, it has been our intention to determine the cause of the leak, investigate the extent of contamination, remove the contaminated soils and ground water, and return the tanks to service.

C-P-C Mansfield retained PEI Associates to sample and analyze the soils from the excavation zone surrounding the three tanks ( see attached letter ). The soils were analyzed for Benzene, Toluene, Xylene, and Total Petroleum Hydrocarbons. There were trace levels of toluene identified in several composites in the 2 - 3 PPB range, and one composite showed Xylene at 8 PPB. These levels are far below the practical quantitation limits of 50 PPB for these compounds as defined in EPA SW-846 Third Edition "Test Methods for Evaluating Solid Waste".

Based on the findings, and observations of the independent testing laboratory, it is our intention to backfill the area surrounding the tanks and return them to service. This topic was discussed with you in our conversation of 10-27-88 and agreed that backfilling could be done.

During our conversation, you mentioned that an exposure assessment must be conducted for the site as required by regulation, irregardless of specific contamination levels established for these organics. Health risks are generally based on toxicity, mobility, and persistence of the contaminant. Starting off with the toxicity of the identified organics of Toluene and Xylene, "Settig" Handbook of Toxic and Hazardous Chemicals, lists an air limitation of 200 PPM for Toluene, and 100 PPM for Xylene on a TWA and 10 hour workday respectively. The same reference manual lists permissible concentrations in water to protect human health at 14.3 PPM for Toluene and suggests 6 PPM for Xylene. In both cases, for air and water, these values greatly exceed those levels identified from our analysis.

RECEIVED
NOV 21 1988
STATE FIRE MARSHAL
UNDERGROUND TANK PROGRAM

The area surrounding the tank location is a building foundation on one side, and clay soils on remaining sides, thus limiting the mobility of contaminants. These soils have a vertical hydraulic conductivity between $7.6 \times 10^{-8}$ and $7.9 \times 10^{-7}$, and thus the potential for free hydrocarbon migration is minimal. During the initial stages of the project, water was encountered at levels above the top of each tank. The water acted to keep the product floating where it was recovered and disposed of. The water was pumped out of the excavation site and the excavation remained dry, indicating a static water situation trapped by the clay soils and building foundation, thus limiting mobility for trace contaminants. Due to the volatility for the organics identified, it is reasonable to assume that biodegredation will occur and decompose these trace levels of Toluene and Xylene.

Our evaluation of the situation, as well as PEI Associates, concludes that the levels of contaminants as well as the site specific information to this situation will not pose a risk to human health and the environment.

Based on the findings and the site assessment, no further actions are planned for the tanks at C-P-C Mansfield. It is our plans to return the tanks to service using a qualified tank installer and operate these tanks according to the Ohio and recently enacted Federal EPA Regulations. Thank you for your assistance and cooperation during this cleanup and remediation effort. Should you have any questions, please give me a call on (419) 755-5351.

Sincerely,

Ed Fish

Ed Fish
Chief Power House Engineer

PEI ASSOCIATES, INC.
11499 CHESTER ROAD
CINCINNATI, OHIO 45246
(513) 782-4700
TELECOPIER (513) 782-4807

October 31, 1988

Mr. Edward Fish
Chief Power House Engineer
General Motors Corporation
CPC - Mansfield Metal Fabricating
2525 West Fourth Street
Mansfield, Ohio 44906

Re: Results of soil sampling and analysis to evaluate remediation of the on-site underground storage tank pit.
PN 4004-NL

Dear Mr. Fish:

General Motors Corporation Canada Group (CPC) discovered that a release had occured from its underground storage tank (UST) system located at the Mansfield, Ohio facility. The UST system consists of three, 2000 gal storage tanks which contain regular and unleaded gasolines and diesel fuel. Excavation and remediation of affected materials was conducted by CPC personnel.

In order to determine the success of the UST remediation, CPC retained PEI Associates, Inc. to collect and analyze soil samples from the cleaned surfaces of the excavation and to document the success of the remediation effort.

On October 11, 1988 PEI Associates, Inc. collected six (6) composite soil samples from the walls and floor of the referenced tank pit excavation (attached figure.) Four (4) composite samples were collected from the excavation walls (one from each side of the excavation) and two (2) composite samples were collected from the bottom of the excavation. Each composite sample was generated by randomly selecting 10 grab samples of soil from the respective surfaces. Each sample was collected with a stainless steel trowel. The grab samples were placed in a stainless steel bowl and mixed thoroughly. An 8-ounce aliquot of the composited soil was randomly selected for analysis. Two composite samples were collected from the floor of the excavation due to the preferential probability of containment migration downward toward ground water. All sampling equipment was decontaminated between uses with rinses of deionized water, (DI), dilute hydrochloic acid (1:10), DI, methonal, and DI.

Each sample was analyzed for benzene, toluene, xylene (BTX) and total petroleum hydrocarbons (TPH) by PEI Analytical Services. The sample number identifies the location of each sample. For example, North-Wall-Comp is the composite sample collected from the north wall of the excavation and Bottom-West-Comp represents the sample collected from the western half of the bottom of the excavation.

Attached is the laboratory report. TPH and benzene with detection limits of 25 mg/kg and 1 ug/Kg, respectively, were not detected in any samples. Xylene was detected in only one sample (West-Wall-Comp) at 8 µg/Kg. Trace levels of toluene were quantified in samples from the walls of the excavation; North-Wall-Comp, South-Wall-Comp, West-Wall-Comp, and East-Wall-Comp contained 3 µg/Kg, 2 µg/Kg, 2 µg/kg, and 2 µg/Kg, respectively. Toluene was not detected in either sample collected from the base of the pit. The reported concentrations are far below the Practical Quantitation Limit (PQL) of 50 µg/Kg for these compounds as defined in EPA's "Test Methods for Evaluating Solid Wastes (SW-846)."

The physical appearance of the pit was good. No signs of contamination such as stains or odors were detected. The laboratory analyses and the physical appearance of the excavation indicate a successful removal and clean-up of any UST release. The very low levels of xylene and toluene reported in some samples do not pose a risk to human health or the environment.

If you have any questions regarding this matter, please call me.

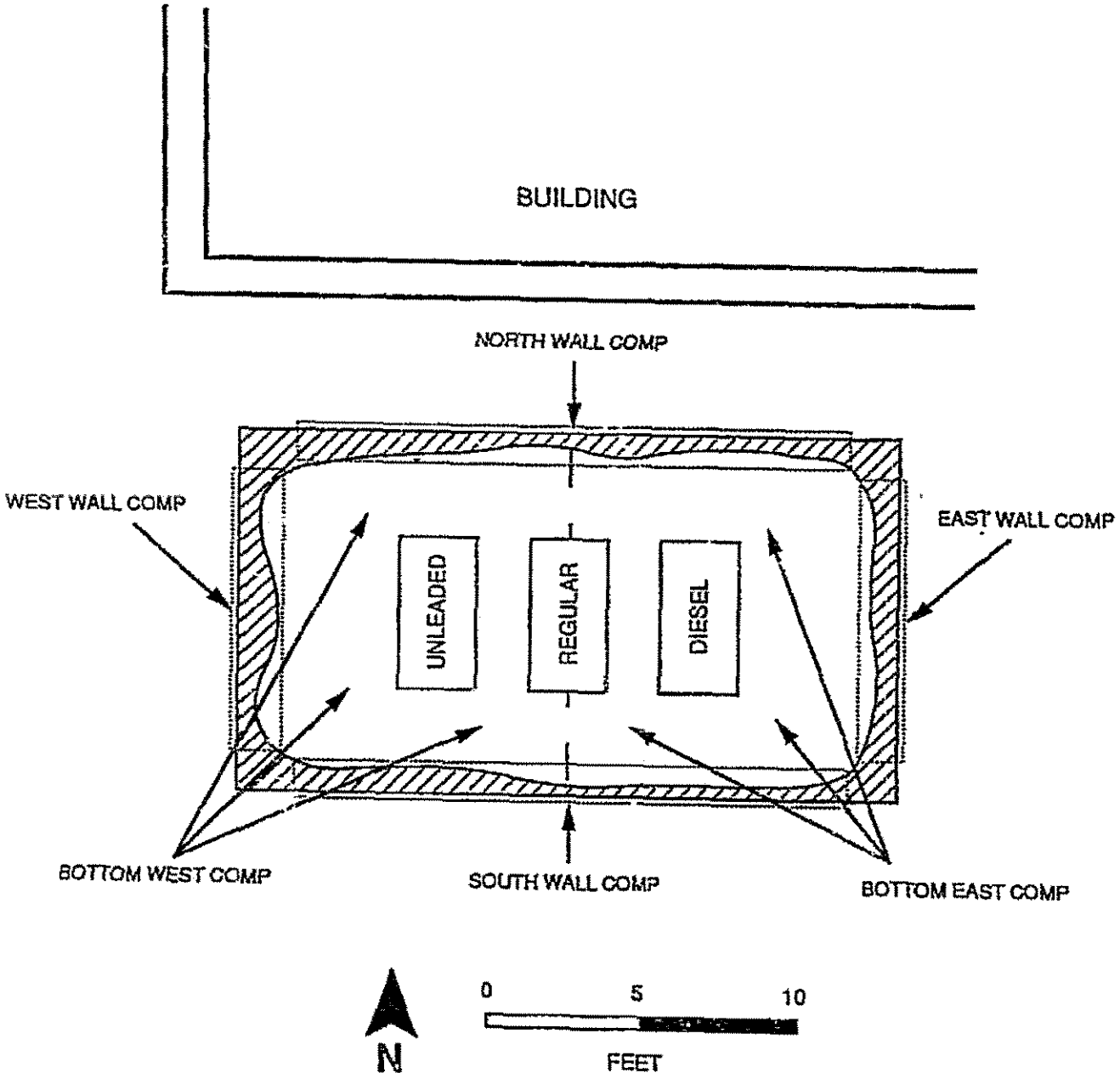
Sincerely,

PEI ASSOCIATES, INC.

William E. Thompson

William E. Thompson
Director, Hydrogeology and
Site Investigation Division

WET/kb




Sketch of pit excavation and soil sample locations.

PEI Analytical Services

CLIENT: GM/CPC GROUP MANSFIELD PLANT
2525 WEST FOURTH STREET
MANSFIELD, OHIO 44906

ATTN: MR. ED FISH

PROJECT: 4646-7
REQ: T8-10-067
RECEIVED: 10/11/88
FILE: B475
SAMPLER: CLIENT

DATE REPORTED: 10/25/88

MATRIX: SOIL

| | | ANALYTE CONCENTRATION | | | |
|---|---|---|---|---|---|
| SAMPLE ID | PEI NO. | Benzene ug/Kg | Toluene ug/Kg | Xylenes ug/Kg | Total Petroleum Hydro-Carbons mg/Kg |
| North Wall Comp | 01 | ND | 3. | ND | ND |
| South Wall Comp | 02 | ND | 2. | ND | ND |
| West Wall Comp | 03 | ND | 2. | 8. | ND |
| East Wall Comp | 04 | ND | 2. | ND | ND |
| Botton West Comp | 05 | ND | ND | ND | ND |
| Bottom East Comp | 06 | ND | ND | ND | ND |
| Method Blank | | ND | ND | ND | ND |

ND= Not Detected (<1 ug/Kg) Benzene, Toluene, Xylenes
(<25 mg/Kg) Total Petroluem Hydrocarbons

PEI Associates, Inc.
11499 Chester Rd.
Cincinnati, Ohio 45246
513-782-4700

Approved By:

H. William Jess
Organic Laboratory
Supervisor

## SITE LISTING UPDATE FORM

EXISTING INCIDENT #: 2|0|8|1|4|4| - | | | - | | | | |  UPDATE.001 REV 8/89

FACILITY NAME: 6m  NEW FACILITY INFO? ____ YES __X__ NO
(Update on back)

### [1] REASON FOR LISTING UPDATE

___ [1] Written report/results received from owner/operator.
___ [2] Verbal report/results received from owner/operator.
___ [3] Written report received from BUSTR contractor.
___ [4] Information collected from BUSTR field examination/inspection.
X [5] Change in site coordinator/contractor assignment.
___ [6] Change/delete existing incident number - explain change in remarks section [5].
___ [7] Create new incident number for additional suspected facility/location.
___ [8] Orders issued.
___ [9] Other:

### [2] NEW SITE LISTING DATA

INCIDENT #: | | | | | | | - | | | - | | | | |
REPORT NUMBER  FAC TRKG#  SFRC

EMERGENCY RESPONSE: ___ YES ___ NO  BY: ___ FM (_____) ___ OEPA ___ USEPA

STATUS: ___ RPT ___ SUS ___ DIS ___ CON ___ ICA ___ ICR ___ ICC ___ SAS ___ SAC ___ CAS ___ CAP ___ NFA

PRIORITY: ___ 1* ___ 2 ___ 3 ___ 4 ___ 5

CLASSIFICATION: ___ A ___ B ___ C ___ D  LTF ELIGIBILITY: ___ YES (1) ___ NO (2)

SITE COORDINATOR: Zipp  CONTRACTOR: _____  WORK ORDER: _____

### * [3] SITE SUMMARY (UPDATE FOR ALL PRIORITY 1 SITES)

(First sentence - why is it a 1? Second sentence - who is doing what at this time)

### [4] NEW EXCEPTION REPORT DATA

___ [1] State plans to obligate over $100,000 at a site.
___ [2] State actually obligated over $100,000 at a site (cumulative expenses exceeded $100,000 this quarter).
___ [3] State plans to use innovative or experimental technology at the site.
___ [4] State plans to provide permanent alternative drinking water supply.
___ [5] State plans to permanently relocate residents.
___ [6] State reached/received cost recovery settlement; amount: _____.

### [5] SITE MANAGEMENT REMARKS

(BUSTR actions needed/taken, reports expected, etc.)

### [6] FOLLOW-UP BUSTR ACTIONS/ASSIGNMENT

(For use by supervisor)

UPDATE SUBMITTED BY: _____ DATE: 7/30/90

APPROVED: _____ DATE: 7/30/90  ENTRY: ST  DATE: JUL 31 1990

## SITE LISTING UPDATE FORM

EXISTING INCIDENT #: 7|0|8|1|4|A| - | | | - | | | | |  UPDATE.001 REV 8/89

FACILITY NAME: G.M. - CPC DIVISION  NEW FACILITY INFO? ___ YES ✓ NO (Update on back)

### [1] REASON FOR LISTING UPDATE

✓ [1] Written report/results received from owner/operator.
___ [2] Verbal report/results received from owner/operator.
___ [3] Written repurt received from BUSTR contractor.
___ [4] Information collected from BUSTR field examination/inspection.
___ [5] Change in site coordinator/contractor assignment.
___ [6] Change/delete existing incident number - explain change in remarks section [5].
___ [7] Create new incident number for additional suspected facility/location.
___ [8] Orders issued.
___ [9] Other:

### [2] NEW SITE LISTING DATA

INCIDENT #: | | | | | | | - | | | - | | | | |
REPORT NUMBER  FAC TRKG#  SPRC

EMERGENCY RESPONSE: ___ YES ___ NO  BY: ___ FM (_____) ___ OEPA ___ USEPA

STATUS: ___ RPT ___ SUS ___ DIS ___ CON ___ ICA ✓ ICR ___ ICC ___ SAS ___ SAC ___ CAS ___ CAP ___ NFA

PRIORITY: ___ 1* ✓ 2 ___ 3 ___ 4 ___ 5

CLASSIFICATION: ___ A ___ B ___ C ✓ D  LTF ELIGIBILITY: ___ YES (1) ___ NO (2)

SITE COORDINATOR: _____  CONTRACTOR: _____  WORK ORDER: _____

### * [3] SITE SUMMARY (UPDATE FOR ALL PRIORITY 1 SITES)

(First sentence - why is it a 1? Second sentence - who is doing what at this time)

### [4] NEW EXCEPTION REPORT DATA

___ [1] State plans to obligate over $100,000 at a site.
___ [2] State actually obligated over $100,000 at a site (cumulative expenses exceeded $100,000 this quarter).
___ [3] State plans to use innovative or experimental technology at the site.
___ [4] State plans to provide permanent alternative drinking water supply.
___ [5] State plans to permanently relocate residents.
___ [6] State reached/received cost recovery settlement; amount: _____.

### [5] SITE MANAGEMENT REMARKS

(BUSTR actions needed/taken, reports expected, etc.)

NEED WELL LOGS FROM SURROUNDING AREA + BOREHOLE LOG FROM MW WHERE H2O SAMPLE WAS COLLECTED.
NEED TO KNOW HOW CONDUCTIVITY WAS DETERMINED.

### [6] FOLLOW-UP BUSTR ACTIONS/ASSIGNMENT

(For use by supervisor)

UPDATE SUBMITTED BY: CPF  DATE: 9|10|90

APPROVED: Paul H  DATE: 9|20|90  ENTRY: SF  DATE: ___|___|___

OCT 10 1990

## SITE LISTING UPDATE FORM

EXISTING INCIDENT #: 7|0|8|1|4|4|__| - |__|__| - |__|__|__|__| UPDATE.001 REV 8/89

FACILITY NAME: G.M. - C.P.C. DIVISION NEW FACILITY INFO? ____ YES ___/___ NO
(Update on back)

### [1] REASON FOR LISTING UPDATE

___ [1] Written report/results received from owner/operator.
___ [2] Verbal report/results received from owner/operator.
___ [3] Written report received from BUSTR contractor.
___ [4] Information collected from BUSTR field examination/inspection.
___ [5] Change in site coordinator/contractor assignment.
___ [6] Change/delete existing incident number - explain change in remarks section [5].
___ [7] Create new incident number for additional suspected facility/location.
___/[8] Orders issued.
___/[9] Other: REVIEW

### [2] NEW SITE LISTING DATA

INCIDENT #: |__|__|__|__|__|__| - |__|__| - |__|__|__|__|
REPORT NUMBER FAC TRKG# SPRC

EMERGENCY RESPONSE: ___ YES ___ NO BY: ___ FM (_____) ___ OEPA ___ USEPA

STATUS: ___ RPT ___ SUS ___ DIS ___ CON ___ ICA ___/___ ICR ___ ICC ___ SAS ___ SAC ___ CAS ___ CAP ___ NFA

PRIORITY: ___ 1* ___ 2 ___/___ 3 ___ 4 ___ 5

CLASSIFICATION: ___ A ___ B ___ C ___/___ D LTF ELIGIBILITY: ___ YES (1) ___ NO (2)

SITE COORDINATOR: _____ CONTRACTOR: _____ WORK ORDER: _____

### * [3] SITE SUMMARY (UPDATE FOR ALL PRIORITY 1 SITES)

(First sentence - why is it a 1? Second sentence - who is doing what at this time)

### [4] NEW EXCEPTION REPORT DATA

___ [1] State plans to obligate over $100,000 at a site.
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___ [4] State plans to provide permanent alternative drinking water supply.
___ [5] State plans to permanently relocate residents.
___ [6] State reached/received cost recovery settlement; amount: _____.

### [5] SITE MANAGEMENT REMARKS

(BUSTR actions needed/taken, reports expected, etc.)

WORK DONE ON SITE WAS PRIOR TO DEC 1988 (LEGO GUIDELINES).
NEED TO MAKE SITE VISIT.

### [6] FOLLOW-UP BUSTR ACTIONS/ASSIGNMENT

(For use by supervisor)

UPDATE SUBMITTED BY: LEZ DATE: 11|20|90

APPROVED: LTF DATE: 11|20|90 ENTRY: ST NOV 28 1990 DATE: __|__|__

PLANT
MODERNIZATION -
EXISTING
BUILDING

G N DUCHARME
RDS, PSA
date 6 10-25

FUEL TANK FARM

sheet number
M-150

2376

Y PLAN

0" - 0"

NORTH

## SITE LISTING UPDATE FORM

EXISTING INCIDENT #: 7|0|8|1|4|4|_|_|_| - |_|_|_| - |_|_|_|_|  UPDATE.001 REV 8/89

FACILITY NAME: General Motors  NEW FACILITY INFO? ____ YES ___/___ NO (Update on back)

### [1] REASON FOR LISTING UPDATE

___ [1] Written report/results received from owner/operator.
___ [2] Verbal report/results received from owner/operator.
___ [3] Written report received from BUSTR contractor.
___ [4] Information collected from BUSTR field examination/inspection.
___ [5] Change in site coordinator/contractor assignment.
___ [6] Change/delete existing incident number - explain change in remarks section (5).
___ [7] Create new incident number for additional suspected facility/location.
___ [8] Orders issued.
___/ [9] Other: Add GW

### [2] NEW SITE LISTING DATA

INCIDENT #: |_|_|_|_|_|_|_| - |_|_|_| - |_|_|_|_|
REPORT NUMBER  FAC TRKG#  SPRC

EMERGENCY RESPONSE: ___ YES ___ NO  -Y: ___ FM (_____) ___ OEPA ___ USEPA

STATUS: ___ RPT ___ SUS ___ DIS ___ CCN ___ ICA ___ ICR ___ ICC ___ SAS ___ SAC ___ CAS ___ CAP ___ NFA

PRIORITY: ___ 1* ___ 2 ___ 3 ___/4 ___ 5

CLASSIFICATION: ___ A ___ B ___ C ___/D  LTF ELIGIBILITY: ___ YES (1) ___ NO (2)

SITE COORDINATOR: _____ CONTRACTOR: _____ WORK ORDER: _____

### * [3] SITE SUMMARY (UPDATE FOR ALL PRIORITY 1 SITES)

(First sentence - why is it a 1? Second sentence - who is doing what at this time)

### [4] NEW EXCEPTION REPORT DATA

___ [1] State plans to obligate over $100,000 at a site.
___ [2] State actually obligated over $100,000 at a site (cumulative expenses exceeded $100,000 this quarter).
___ [3] State plans to use innovative or experimental technology at the site.
___ [4] State plans to provide permanent alternative drinking water supply.
___ [5] State plans to permanently relocate residents.
___ [6] State reached/received cost recovery settlement; amount: _____.

### [5] SITE MANAGEMENT REMARKS

(BUSTR actions needed/taken, reports expected, etc.)

Work Done under RCO REGS. THC 154
BTEX 2 ppb
VEG4 DEFILIGHT REPORT
SOIL BTEX
T-9
X-91
$H_2O$

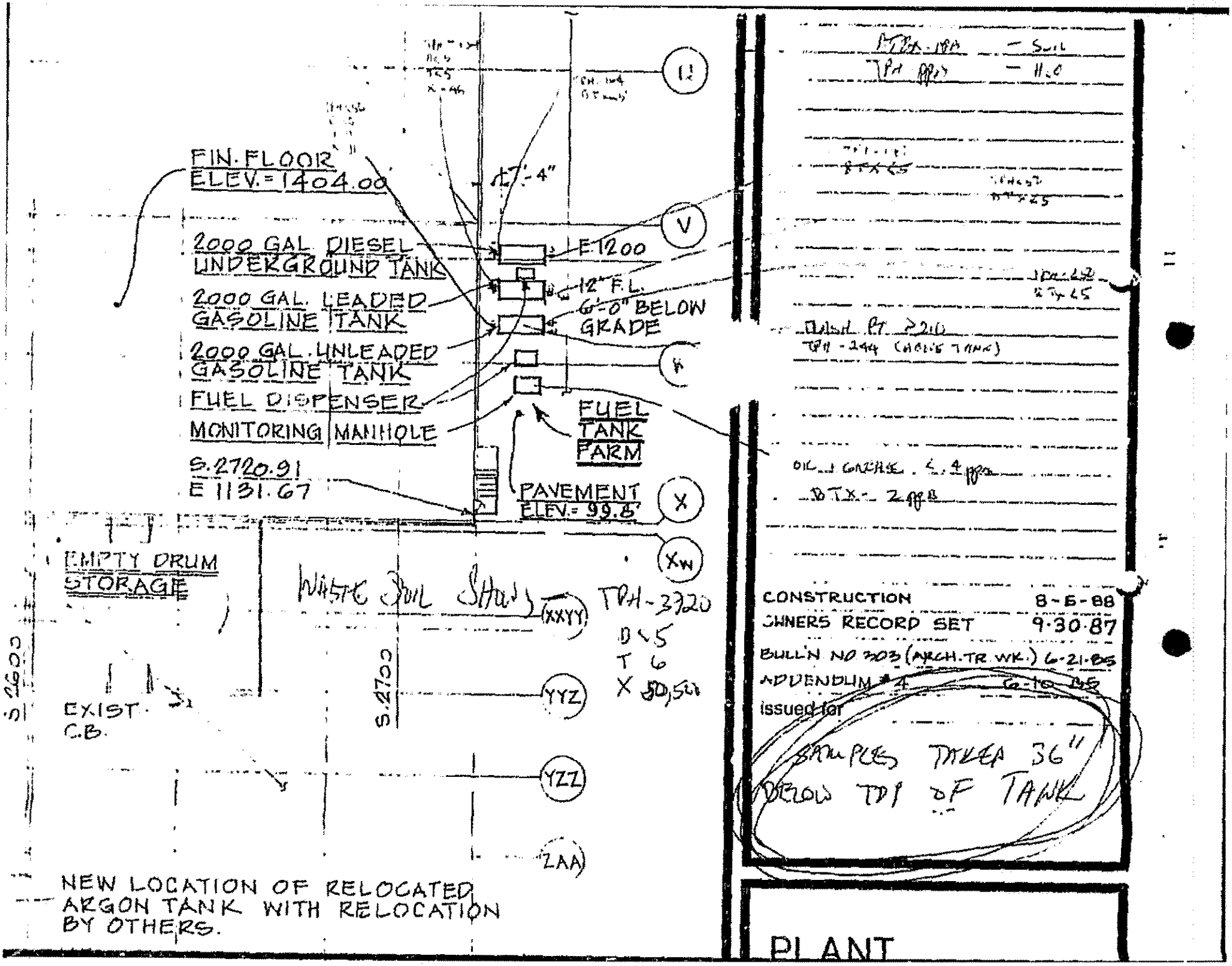
### [6] FOLLOW-UP BUSTR ACTIONS/ASSIGNMENT

(For use by supervisor)

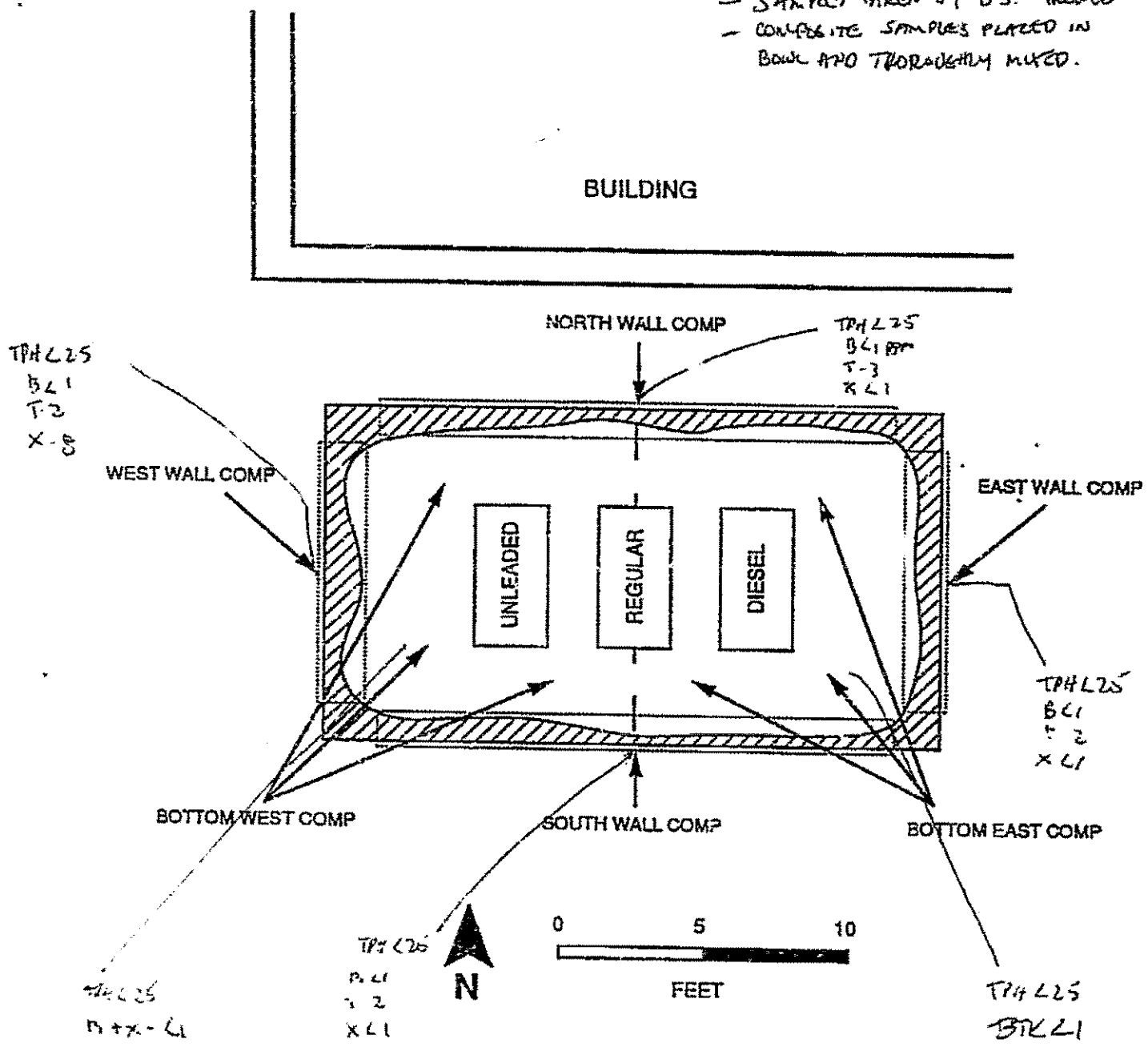
UPDATE SUBMITTED BY: _____ DATE: 7 19 92
APPROVED: _____ DATE: 8 5 92 ENTRY: _____ DATE: AUG 3 1992

TELEPHONE MEMORANDUM

REPORT #: | | |


FIN. FLOOR ELEV. = 1404.00
47'-4"
2000 GAL DIESEL UNDERGROUND TANK
2000 GAL. LEADED GASOLINE TANK
2000 GAL. UNLEADED GASOLINE TANK
FUEL DISPENSER
MONITORING MANHOLE
E 1200
12" F.L. 6'-0" BELOW GRADE
S. 2720.91
E 1131.67
FUEL TANK FARM
PAVEMENT ELEV. = 99.8'
EMPTY DRUM STORAGE
EXIST. C.B.
S.1600
S.2700
12
V
X
XW
XXYY
YYZ
YZZ
ZAA
TPH - 3720
D 5
T 6
X 50,500
NEW LOCATION OF RELOCATED ARGON TANK WITH RELOCATION BY OTHERS.
CONSTRUCTION 8-5-88
OWNERS RECORD SET 9-30-87
BULL'N NO 303 (ARCH. TR WK.) 6-21-88
ADDENDUM # 4 6-10-88
issued for
SAMPLES TAKEN 36" BELOW TOP OF TANK
PLANT

- SAMPLES TAKEN BY S.S. TROWEL
- COMPOSITE SAMPLES PLACED IN BOWL AND THOROUGHLY MIXED.




Sketch of pit excavation and soil sample locations.

TPH-418.1 — H2O

BTEX-8020 — SOIL

## SITE LISTING UPDATE FORM

EXISTING INCIDENT #: 7|0|8|1|4|4|1 - 1|0|0|1 - |_|_|_|_| UPDATE-001 REV 9/89

FACILITY NAME: General Mills NEW FACILITY INFO? ___ YES _✓_ NO
(Update on back)

### [1] REASON FOR LISTING UPDATE

___ [1] Written report/results received from owner/operator.
___ [2] Verbal report/results received from owner/operator.
___ [3] Written report received from BUSTR contractor.
___ [4] Information collected from BUSTR field examination/inspection.
___ [5] Change in site coordinator/contractor assignment.
___ [6] Change/delete existing incident number - explain change in remarks section [5].
___ [7] Create new incident number for additional suspected facility/location.
___ [8] Orders issued.
_I_ [9] Other: Review

### [2] NEW SITE LISTING DATA

INCIDENT #: |_|_|_|_|_|_|_| - |_|_|_| - |_|_|_|_|
REPORT NUMBER FAC TRKG# SPRC

EMERGENCY RESPONSE: ___ YES ___ NO BY: ___ FN (_____) ___ OEPA ___ USEPA

STATUS: ___ RPT ___ SUS ___ DIS ___ CON ___ ICA _✓_ ICR ___ ICC ___ SAS ___ SAC ___ CAS ___ CAP ___ NFA

PRIORITY: ___ 1* ___ 2 ___ 3 _✓_ 4 ___ 5

CLASSIFICATION: ___ A ___ B ___ C _✓_ D LTF ELIGIBILITY: ___ YES (1) ___ NO (2)

SITE COORDINATOR: _____ CONTRACTOR: _____ WORK ORDER: _____

### * [3] SITE SUMMARY (UPDATE FOR ALL PRIORITY 1 SITES)

(First sentence - why is it a 1? Second sentence - who is doing what at this time)

### [4] NEW EXCEPTION REPORT DATA

___ [1] State plans to obligate over $100,000 at a site.
___ [2] State actually obligated over $100,000 at a site (cumulative expenses exceeded $100,000 this quarter).
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___ [4] State plans to provide permanent alternative drinking water supply.
___ [5] State plans to permanently relocate residents.
___ [6] State reached/received cost recovery settlement; amount: _____.

### [5] SITE MANAGEMENT REMARKS

(BUSTR actions needed/taken, reports expected, etc.)

NEEDS SITE VISIT.

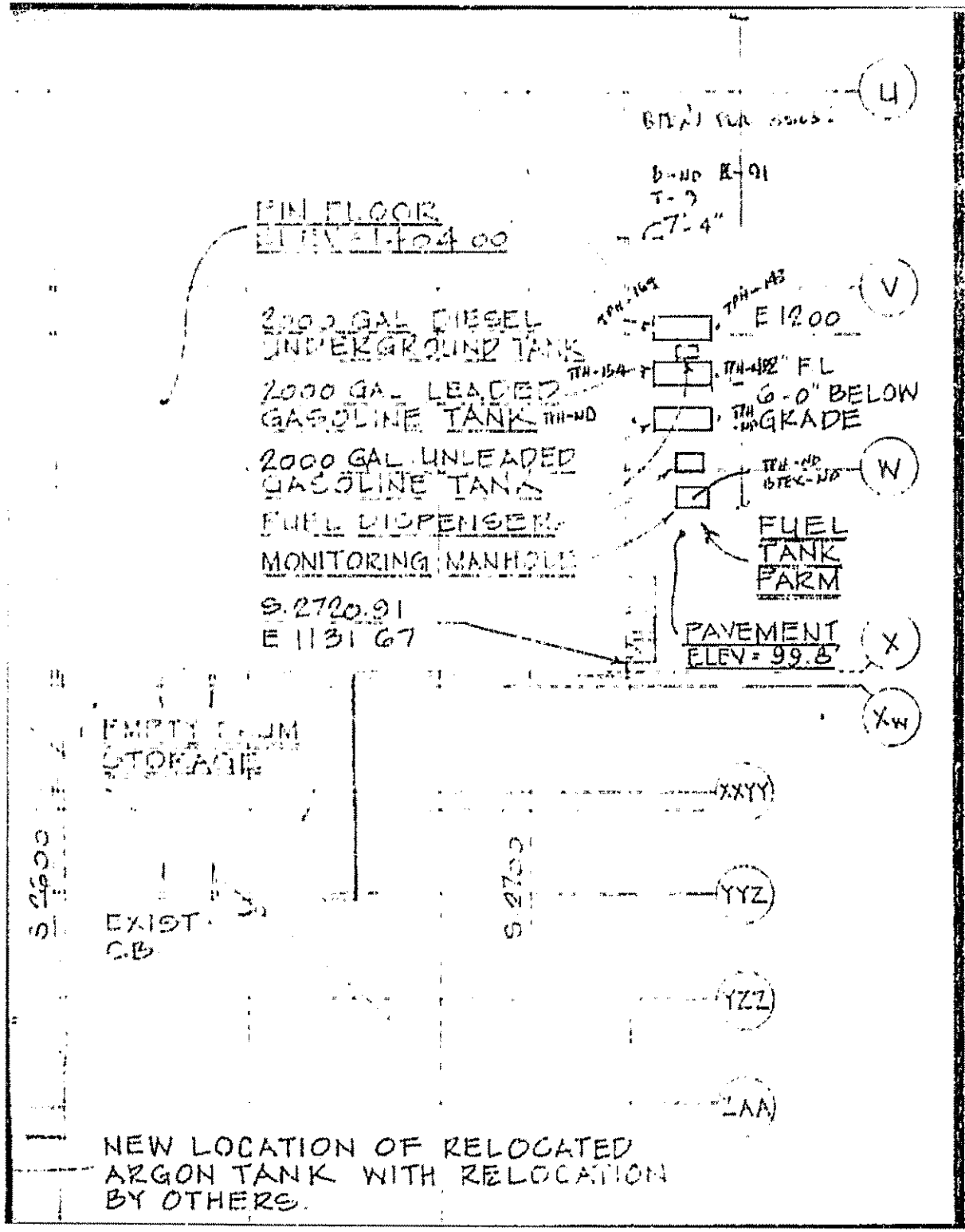
SEE ATTACHMENT.

### [6] FOLLOW-UP BUSTR ACTIONS/ASSIGNMENT

(For use by supervisor)

UPDATE SUBMITTED BY: _____ DATE: 9|20|91

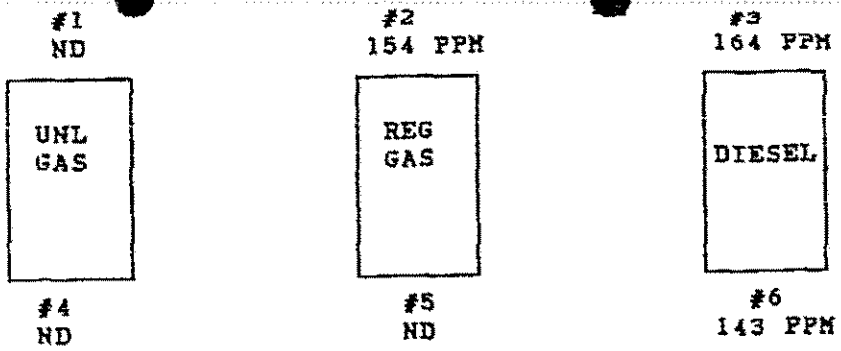
APPROVED: _____ DATE: 9|30|91 ENTRY: _____ DATE: SEP 11 1991




5/16/88 Release

CONSTRUCTION 8-5-88
OWNERS RECORD SET 9.30.87
BULL'N NO 303 (ARCH. TR WK) 6-21-85
ADDENDUM #4 6-10-85
issued for

PLANT




#7 PILE ON VISQUEEN ON GRADE - 3030 PPM

#8 ROLL OFF DUMPSTER #1 - 190 PPM

#9 ROLL OFF DUMPSTER #2 - 3720 PPM

DETECTION LIMIT = 50 PPM

ND = NOT DETECTED

SAMPLES FROM PILE AND DUMPSTERS CONSISTED OF A THREE SAMPLE COMPOSITE FOR EACH.

A 3/4 INCH CORE SAMPLE APPROXIMATELY 36 INCHES DEEP WAS TAKEN FOR EACH SAMPLE NUMBERED ONE THRU SIX.

H2O Sample from monitor manhole BTEX - ND
TPH - ND

0000 1923

708144

Chevrolet-Pontiac-Canada Group
Mansfield Plant
General Motors Corporation
P.O. Box 2567
Mansfield, Ohio 44906

RECEIVED
1992 NOV -3 A 9:22

November 2, 1992

Ms. Irene North
Ohio EPA Northwest
District Office, Div.
of Solid and Infectious Waste
374 Dunbridge Road
P.O. Box 466
Bowling Green, OH 43402-0466
(419) 352-8461

Certified Mail
Return Receipt Requested
P 037 442 518

NFA'd

Re: General Motors Mansfield Plant
2525 W. Fourth Street
Mansfield, OH 44906
Richland County
Incident #708144-00

The purpose of this letter is in response to the attached letter dated August 5, 1992, from Mr. Charles E. Zepp, Site Coordinator, from the Bureau of Underground Storage Tank Regulations (BUSTR).

This letter indicated that "the contaminated soil excavated during the Underground Storage Tank (UST) closure, which is not regulated by the State Fire Marshall (SFM) and BUSTR, has not been disposed of in accordance with the Ohio Environmental Protection Agency (OEPA) requirements".

Attached for your review is a letter dated August 11, 1988 addressed to Mr. Bill Schneider of BUSTR providing the analytical results and the location of where the soil was transported and disposed.

There were nine (9) 20 yd roll off boxes transported and disposed of at the Richland County Sanitary Landfill in accordance with state regulations. Our records indicate that these nine (9) boxes were shipped between July 26, 1988 and October 3, 1988.

Should you have any questions regarding this matter please contact me on (419) 755-5118.

Sincerely,

M. D. Knoblock

M. D. Knoblock
Environmental Manager

Attachments
CC: file
Charles E. Zepp, BUSTR
Chief Richard Kritzen, Mansfield Fire Dept.

Chevrolet-Pontiac Canada Group
Mansfield Plant
General Motors Corporation
P.O. Box 2567
Mansfield, Ohio 44906

August 11, 1988

Mr. Bill Schneider
Ohio Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
8895 East Main Street
Reynoldsburg, Ohio 43068-3399

Dear Bill:

This is an update as to the findings and progress on the repairs to the underground storage tanks at the C-P-C Mansfield Facility. The initial site investigation was reported to your office in our July 20, 1988 letter.

Results from the water sampling from the collection piping around the perimeter of the tank farm at the base of the tanks has been received, and a copy of the results is attached. This was trapped water in the fill around the tanks, between the building and the roadway. The water was tested for Benzene, Toluene, Xylene, and Oil & Grease. All analyses showed not detectable levels for all parameters. The sample was taken below the surface of the water of the monitor manhole which is the receiver for the perimeter collection system. Water pumped from this manhole was discharged onto the concrete roadway and allowed to evaporate.

Soil samples have also been taken, and the results received, with copies attached. The soil taken from above the Unleaded tank showed 244 PPM Total Petroleum Hydrocarbons. Samples were taken later from different areas around the fuel tanks, and from the dumpsters of excavated soil ( Fig. 1 ). Additional excavation around the tanks has taken place since the six samples were taken from around the tanks. All soil excavated was disposed of at the Richland County Sanitary Landfill in accordance with state regulations.

Results of the flange gasket testing have also been received. These gaskets were not as specified in the original installation specifications. The specified gaskets were to be of Viton Rubber, while the gasket tested which was removed from the regular gasoline vapor recovery line was Styrene Butadiene rubber. All gaskets showed signs of swelling and deterioration, allowing possible small seepage.

The free product and water removed from around the access manholes was pumped into drums, mixed with used oil, and burned for energy recovery in the plant's industrial boiler. All possible free product was recovered before concrete was removed and soil excavated. The free product was sent for analysis to determine the type of fuel. Samples were taken from each manhole over each tank. West ( Unleaded Tank ), Center ( Regular Tank ), and East ( Diesel Tank ). The laboratory was able to determine that diesel fuel and gasoline were in the samples removed from the manholes ( based on samples of each fresh fuel provided as standards ). They were not able to distinguish the difference between regular and unleaded gasoline in the samples, only that gasoline was present. The attached lab report provides more detail on the "fingerprint" test.

Capital Petroleum Equipment of Columbus, Ohio has been selected to do the supervision of the systems revisions and repairs. The new system will incorporate the Total Containment products. These include a plastic outer piping over all product lines, observation wells (where required), new fill system with spill box, and a 30 inch manway sealed to prevent any possibility of product loss to the environment in event of a leak in the piping. The system will continue to be of suction type. A print of the revised installation is enclosed. There may be some minor changes based on the recommendation of Capital Petroleum. The final system design will be sent to you for your comment when it is received.

Please review the attached soil sampling data. Areas where high levels of total petroleum hydrocarbons were found were further excavated. All soil showed no signs of any staining. Soil samples were taken after the additional excavation was complete. These results will be sent to your office when we receive them. Plans are to backfill with clean soil and complete system revisions.

The leak was very small, caused by seepage from gaskets. Spillage also occurred during filling of the tanks. The contamination was contained by the clay soil surrounding the tank sand backfill. The trapped water kept the contamination near the surface in the tank area where it could be recovered. Contamination was greater in the soil near the manholes, and was less concentrated deeper, as the soil was excavated.

Pending the additional laboratory analysis of soils and proposed system modifications, C-P-C Mansfield is requesting permission from the State Fire Marshals Office to backfill the area with clean sand and put the tank system back into use.

This is the corrective action we have taken to date. After reviewing this letter, please contact me at (419) 755-5351 with any questions, comments, or suggestions.

Very Truly Yours,

Edward Fish

Edward Fish
Chief Power House Engineer

PEI Analytical Services

CLIENT: GM/CPC GROUP MANSFIELD PLANT
2515 WEST FOURTH STREET
MANSFIELD, OHIO 44906

PROJECT: 4646-7
REQ: T8-06-270
RECEIVED: 06/30/88
FILE: A 791

ATTN: MR. ED FISH

DATE REPORTED: 07/05/88

MATRIX: SOIL

| SAMPLE ID | PEI NO. | TOTAL PETROLEUM HYDROCARBONS, PPM |
|---|---|---|
| CONTAMINATED SOIL AT TANKS 6/28/88 | 01 | 244. |

ND=Not Detected (<50 PPM)

PEI Associates, Inc.
11499 Chester Rd.
Cincinnati, Ohio 45246
513-782-4700

Approved By:

H. William Jess
Organic Laboratory
Supervisor

PEI Analytical Services

11499 Chester Rd.
Cincinnati, Ohio 45246
(513) 782-4700

Client: GM/CPC GROUP
Mansfield Plant
2525 West Fourth Street
Mansfield, Ohio 44706

Attn: Mr. Ed Fish

Project No.: 4548-7
Requisition No.: T8-05-270
Date Received: 6/30/93
Sampled by: CLIENT
Date Reported: 7/21/93

| | |
|---|---|
| SAMPLE ID: | Contaminated Soil at Tanks |
| PEI No.: | 010 |
| Flash Point, degrees F | >210 |
| EP Tox by MCA | |
| Lead, mg/L | <0.05 |

Submitted by:

Analytical Laboratory
Supervisor

Chevrolet • Pontiac • Canada Group

# PURCHASE REQUISITION

CISCO NO. 10356 | PLANT MANSFIELD | P.O. NO. MNS 667037 | REVISION NO. 15 | PAGE 1 OF 48

REQUISITIONED 7-26-88 | BUYER NAME & NO. | LOCATION | PHONE NO. | DELIVER TO ATTN. DEPT./ROOM 3001 Power House

REQUESTED BY C. Flint | Power House | 5351

DATE REQUIRED | PREVIOUS P.O. NO. | COST ESTIMATE $500 | DUNS NO./VENDOR CODE

SUGGESTED SUPPLIER

TERMS ☐ 25th PROX ☐ OTHER

F.O.B. ☐ DELIVD. ☐ SHIPPING PT.

SHIP ☐ TRUCK ☐ VENDOR ☐ PICKUP ☐ RAIL

VIA ☐ P.P. ☐ UPS ☐ AIR

DELIVERY PROMISE DATE

INQUIRY NO. | PROJECT NO./ITEM NO.

APPROPRIATION/ACCOUNT CLASSIFICATION

SHIP TO: CPC Division, GMC
Mansfield Plant
General Motors Corporation
2525 West Fourth Street Road
Ontario, Ohio 44906

CODE: *MAN

BILL TO: CPC Division, GMC
Mansfield Plant
General Motors Corporation
P.O. Box 2567
Mansfield, Ohio 44906

CODE: #118

| LINE SEQ | QUANTITY ORDERED | G.M. IDENTIFICATION NO. | DESCRIPTION | TAX CODE | UNIT PRICE | UNIT MEASURE |
|---|---|---|---|---|---|---|
| | | | DISPOSE OF NON-HAZARDOUS SOLID WASTE | | | |
| | | | SOIL IN 20 CU. YD. ROLL OFF | | | |
| | | | DUMPSTERS. | | | |

THIS PR _____ MUST APPEAR ON ALL PACKING SLIPS

REMARKS/PURPOSE TANK FARM. REPAIR

USA

CISCO APPROVAL STAMP

AUTHORIZED APPROVALS AND DATE

BUYER SIGNATURE/PURCHASING DEPT. DATE

HAZARDOUS MATERIAL APPROVAL

SEE REVERSE SIDE FOR TAX CODES AND DOCUMENTATION

2—RETURN TO ORIGINATOR

REQ. NO. 152648

Chevrolet·Pontiac·Canada Group

Chevrolet·Pontiac·Canada Group
Mansfield Plant
General Motors Corporation
2525 West 4th Street
P O Box 2567
Mansfield, Ohio 44906

# Purchase Order

MAN 66703

**Original Copy**

This Number Must Appear On All Invoices, Packing Slips Packages and Bills of Lading.

Do Not Declare Valuation or Express Shipments or Insure Parcel Post

To: Milliron Waste Management Inc.
2234 St. Rt. 39
Mansfield, Ohio 44903

Ship to:
☒ Chevrolet·Pontiac·Canada Group
Mansfield Plant
General Motors Corporation
2525 West 4th Street
Mansfield, Ohio 44906
☐ See Below

| Order Date | Date Required | Tax Status (See Reverse Side) | Req. No.: | Terms: |
|---|---|---|---|---|
| 8-3-88 | | C | PR#152648 | Net 30 Days |
| F.O.B. Buyer's Plant Unless Otherwise Indicated | | Via | | Acct. or Appro. No |
| Our Plant | | Truck | | 277000 09970000 90030 |
| Route To | Fish - 2001 | Buyer Name/Code | Phone No. | |
| | | Marlene Garrett/mg | 755-5895 | |

| Quantity | Description | Price-Unit |
|---|---|---|
| 1 lot | Dispose of non-hazardous solid waste soil in 20 cu. yd. roll off dumpsters | Advise Price |

It is necessary that you acknowledge receipt of this Order by returning the acknowledgement copy immediately to the attention of the signer.

☐ FOR PRE-PRODUCTION EXPERIMENTAL USE

☐ SELLER'S QUOTATION TO BE SUBMITTED WITHIN TEN DAYS AFTER RECEIPT OF FINAL DESIGN

☐ It is imperative that all invoices show tooling charges & piece charges separately. If tooling is of a perishable nature please so indicate on invoice.

☐ By acceptance of this contract or purchase order, the Seller grants to Chevrolet-Pontiac-Canada Group Engineering Center, Division of General Motors Corporation access to all pertinent ledgers, payroll data, books, records, correspondence, written instructions, drawings, receipts, vouchers and other documents for the purpose of auditing the charges and/or all allocations related to this contract or purchase order. Seller must segregate his records in such a manner as to facilitate a complete audit and agrees, that such audit may be used as the basis for settlement of charges against this order. Seller further agrees, for this purpose, to preserve all of the above enumerated documents for a period of one year after final payment hereunder.

☐ Special permanent tooling, dies, patterns, and/or molds used by Seller in producing part (or parts) covered herein are the property of Chevrolet-Pontiac-Canada Group Engineering Center, Division of General Motors Corporation and are to be used exclusively for the benefit of that division unless otherwise authorized. The Buyer may at any time remove said tooling, dies, patterns and/or molds from Seller's plant for any reason whatsoever.

Invoice submitted is to include detailed description of experimental and/or productive tooling and is not to be rendered until experimental and/or productive parts have been given full approval by Chevrolet-Pontiac-Canada Group.

☐ EXCISE TAX EXEMPTION CERTIFICATE FURNISHED (SEE REVERSE SIDE)

MAN 667037

This order is not binding until accepted. Acceptance should be executed on acknowledgement copy which should be returned to Buyer.

On the reverse side hereof are the terms and conditions to which Seller agrees by acceptance of this order.

This order, including the terms and conditions on the face and reverse side hereof, contains the complete and final agreement between Buyer and Seller and no other agreement in any way modifying any of said terms and conditions will be binding upon the Buyer unless made in writing and signed by Buyer's authorized representative.

If Government Contract Number is Shown Hereon, Additional Terms and Conditions Attached Hereto Apply.

**Invoice Address:**
Chevrolet-Pontiac-Canada Group
Mansfield Plant
General Motors Corporation
P O Box 2752-M
Mansfield, Ohio 44906

Mark All Invoices Attn: Financial Dept

By M. Garrett
Buyer

CPC 81 Ba - Rev. 9 A

# WILLIAMSON

**Waste Management, Inc.**

51 31 39 Northwest ■ R D N 3 ■ (419) 747 6900
MANSFIELD OHIO 44903

CONTAINER ACTIVITY

$160 Rent on Dumpster

CONTROL NO № 01h687

EQUIPMENT ACTION DATE 7 2 88

SALES PERSON

ACCOUNT NO

ACCOUNT NAME G.M. C.P.C.

ADDRESS MANS. OH.

CONTACT NAME MARLENE GARRETT / E.D. Ex TELEPHONE

| | BARRELS | GAYLORDS | FRONT LOADER | LUGGER | ROLL OFF | COMPACTOR | OTHER |
|---|---|---|---|---|---|---|---|
| MAINTENANCE | | | | | | | |
| SPOT / RETRIEVE | | | | | | | |
| CONFIDENTIAL DESTRUCTION | | | | | | | |
| PAPER | | | | | | | |
| METAL | | | | | | | |
| WASTE | | | | | 20YRD | | |

COMMENTS Approved of Dept.
P.O. # MAN. 667057
& Enviro

DRIVER T M TIME DATE COMPLETED 7-26-88 SIGNATURE M Stewart

# MILLIRON

RD No 3 E Mansfield Ohio 44903

TS *Waste Management, Inc.* Iron & Metal

GMC-C.P.C GROUP
ATTN: ANITA CUTLIP
P.O. BOX 2752-M
MANSFIELD, OHIO 44906

| ACCOUNT NUMBER | STATEMENT DATE |
|---|---|
| GM | 07/30/88 |

| TERMS |
|---|
| NET |

| ACCOUNT NUMBER | STATEMENT D |
|---|---|
| GM | 07/30/8 |

GMC-C.P.C GROUP

*PLEASE RETURN THIS STUB WITH YOUR REMITTANCE*

| INVOICE | TYPE | CHECK NO | CHARGES | CREDITS | AMOUNT DUE | INVOICE | AMOUNT DUE |
|---|---|---|---|---|---|---|---|
| 010623 | IN | | | | | | |
| QTY 42YD COMPACTOR | | | 480.00 | | | | |
| | | | | | 480.00 | 010623 | 480.00 |
| 010624 | IN | | | | | | |
| QTY 30YD ROLLOFF | | | 292.50 | | | | |
| | | | | | 292.50 | 010624 | 292.50 |
| 010654 | IN | | | | | | |
| QTY 42YD COMPACTOR | | | 480.00 | | | | |
| | | | | | 480.00 | 010654 | 480.00 |
| 010655 | IN | | | | | | |
| QTY 30YD ROLLOFF | | | 292.50 | | | | |
| | | | | | 292.50 | 010655 | 292.50 |
| 010679 | IN | | | | | | |
| QTY 42YD COMPACTOR | | | 480.00 | | | | |
| | | | | | 480.00 | 010679 | 480.00 |
| 010682 | IN | | | | | | |
| QTY 42YD COMPACTOR | | | 480.00 | | | | |
| | | | | | 480.00 | 010682 | 480.00 |
| 010683 | IN | | | | | | |
| QTY 30YD ROLLOFF | | | 292.50 | | | | |
| | | | | | 292.50 | 010683 | 292.50 |
| 010685 | IN | | | | | | |
| QTY 42YD COMPACTOR | | | 480.00 | | | | |
| | | | | | 480.00 | 010685 | 480.00 |
| 010687 | IN | | | | | | |
| QTY 20YD ROLLOFF, DI | | | 60.00 | | | | |
| P.O. #MAN-867057 | | | .00 | | | | |
| | | | | | 60.00 | 010687 | 60.00 |
| 010688 | IN | | | | | | |
| QTY 20YD ROLLOFF, DIRT | | | 60.00 | | | | |
| P.O. #MAN-867057 | | | .00 | | | | |
| | | | | | 60.00 | 010688 | 60.00 |

| CURRENT | OVER 30 DAYS | OVER 60 DAYS | OVER 90 DAYS | NEW FINANCE CHARGE | NEW BALANCE |
|---|---|---|---|---|---|
| | | | | | |

TOTAL AMOUNT DUE

*TO AVOID ADDITIONAL FINANCE CHARGES, PAY BY CLOSING DATE*

CHECK ITEMS BEING PAID

AMOUNT REMITTED _____

**Ohio Department of Commerce** 24 AM '92 George V. Voinovich, Governor

Division of State Fire Marshal • Bureau of Underground Storage Tank Regulations Nancy S. Chiles, Director
8895 E. Main St., P.O. Box 687 • Reynoldsburg, OH 43068-0687
(614) 752-7938 • FAX (614) 752-7942

MASTER MECHANICS

August 5, 1992

Ed Fish
CPC Group
General Motors Corp.
2525 West Fourth Street
Mansfield, OH 44906

RE: General Motors, CPC Division
2525 W. Fourth Street
Mansfield, OH 44091
Richland County
Incident #708144-00

Dear Mr. Fish:

The State Fire Marshal, Bureau of Underground Storage Tank Regulations, (SFM, BUSTR) has received all required information regarding the environmental assessment of an underground storage tank (UST) system(s) at the aforementioned location. Our review of the analytical results and associated information indicates that you have met the current site investigation requirements. Regarding corrective actions activities at this site, BUSTR is not requiring any further action at this time. However, information provided to BUSTR indicates that the contaminated soil excavated during the UST closure, which is not regulated by SFM, BUSTR, has not been disposed of in accordance with the Ohio Environmental Protection Agency (OEPA) requirements. We have notified OEPA, Northwest District Office, Division of Solid and Infectious Waste of this matter by sending them a copy of the letter.

Due to information potentially not discovered or revealed, nothing in this letter should be interpreted as a guarantee or warrantee that no problems exist at the aforementioned location. In addition, this letter does not release the responsible party from future responsibility and liability under sections 3737.88 through 3737.89 of the Ohio Revised Code and other state laws and regulations or under the Federal Clean Water Act, Resource Conservation and Recovery Act, or Comprehensive Environmental Response, Compensation, and Liability Act for remedying conditions resulting from any release of contaminants to the environment.

If you have any questions about this determination, you can call me at (614) 752-7093.

Sincerely,

Charles E. Zepp
Site Coordinator
Bureau of Underground
Storage Tank Regulations

CEZ:aw

cc: file #708144
Irene North, Ohio EPA, Northwest District Office
Chief Richard Krizen, Mansfield Fire Dept.
Thomas N. Blum, Richland County Health Dept.

REPORT #: 7 0 5 1 4 4 ● SUSPECTED RELEASE REPORT ● DATE: 5 6 88

TIME: 11:30 AM

PERSON REPORTING THE RELEASE

NAME: Tom Hickin TITLE: Supervising Geol. PHONE: 614 644-2260

AGENCY/COMPANY: OEPA RELATION TO SITE:

ADDRESS: CITY: ST: ZIP:

REMARKS: Confirming telephone notification due to UST. Soil sample was taken from spot.

SUSPECTED RELEASE LOCATION

FACILITY: Mansfield CPC Division USTR ID#: 20-80

ADDRESS: ~~1300 Lexington Rd.~~ - 2525 W. 4th St. COUNTY: Richland

CITY: Mansfield ST: OH ZIP: 44906 PHONE: 419 755-5011 ext 341

UST OWNER: Mansfield Corp. PHONE:

REMARKS: Two 1 and 2 Leading -

FIRE DEPT: ~~Mansfield~~ Mansfield Twp PHONE: 419 529-4416

CONDITIONS LEADING TO REPORT OF SUSPECTED RELEASE (Check all that apply)

___ Inventory control results indicate a release has occurred.

___ Testing, monitoring or sampling results indicate a release has occurred.

___ Unusual operating conditions observed (e.g., sudden drop in tank volume).

X Impacts noticed in area surrounding tank (e.g., vapors).

___ Soil exceeds 100 ppm total hydrocarbons using G.C. or O.V.A.

___ Spill or overfill of petroleum in excess of 25 gallons.

___ Spill or overfill of petroleum less than 25 gallons when containment is not possible.

___ Spill or overfill of petroleum below ground, or soaking into ground after spill.

___ Spill or overfill of petroleum to surface water when petroleum creates sheen on water.

OTHER CONDITIONS: Fuel product in manhole

SUSPECTED SUBSTANCE RELEASED:

___ GASOLINE ___ DIESEL FUEL ___ KEROSINE

___ WASTE OIL ___ HYDRO LIFT ___ OTHER PETRO/MIXTURE

___ LTF ELIGIBLE SITE ___ HAZ SUBST ___ PROBLEM FLAG ___ UNKNOWN

OTHER AGENCIES NOTIFIED PRIOR TO THIS REPORT

AGENCY: OEPA NAME: Tom Hickin DATE: ___/___/___ TIME:

AGENCY: NAME: DATE: ___/___/___ TIME:

REPORT DISPOSITION (Indicate actions taken on reverse side)

TAKEN BY: Unger ACTION BY: DATE: ___/___/___ TIME:

CIRCLE STATUS: RPT ~~SDS~~ (CON) ICA FPR SAP LCA NFA PRIORITY: 1 (2) 3 4 ~~5~~ CLASS: A B C (D)

ADDITIONAL INFORMATION FROM THIS REPORT?

___ SUSPECT RELEASE SOURCE CHECKLIST
___ RELEASE CONFIRMATION/INVESTIGATION CHECKLIST
___ INITIAL CORRECTIVE ACTION PROCEDURES CHECKLIST
___ INITIAL SITE INVESTIGATION CHECKLIST
___ FREE PRODUCT REMOVAL CHECKLIST
___ SITE ASSESSMENT CHECKLIST
___ EXPOSURE ASSESSMENT CHECKLIST
___ CORRECTIVE ACTION PLAN CHECKLIST
___ OTHER (specify):

ADDITIONAL REMARKS

5-6-88 Called F.F. Ron Henry - he is Springfield Twp. fire inspector and works full time for Mansfield Fire Dept. firefighter. He works at Station 6 - 419-524-2257. He does not inspect this facility.

5-6-88 Talked to Mike Stewart - district Ch. Power House Eng. He said it would need to talk to Ed Fish - 419-755-5361

5-9-88 Talked to Ed Fish - he said they were having some problems and would have Hunter Environmental begin to check the system out.

ACTIONS TAKEN

5-9-88 Sent "corrective action guidance" to Mr. Ed Fish

5-18-88 Talked to Ed Fish - he said he had tanks tested by Hunter and the diesel failed @ 1 but was inclining due to monitor well containing no product. He was concerned about on time lines, I told him to send us inventory and logs and to take a step wise approach to corrective action but not to worry about time lines

REPORT #: 1 0 8 1 4 4

SUSPECTED RELEASE SOURCE CHECKLIST

USTR ID#: 1080

___ MULTIPLE FACILITIES FOR THIS INCIDENT?

SOURCE OF INFORMATION

NAME: _____ TITLE: _____ PHONE: (___)_____

AGENCY/COMPANY: _____ RELATION TO SITE: _____

ADDRESS: _____ CITY: _____ ST: ___ ZIP: _____

REMARKS: _____

RELEASE INFORMATION

DATE FIRST DETECTED: ___/___/___ TIME: ___:___ DATE REPORTED TO BUSTR: 5/6/88

ACTUAL SUBSTANCE RELEASED: _____

EST. QUANTITY: _____ EST. CONCENTRATION: _____ EST. DURATION: _____

MEDIA EFFECTED (Check all that apply):

___ PAVEMENT ___ BASEMENT ___ SOIL ___ GROUND-WATER ___ SURFACE WATER

___ OTHER: leak detector failed - found product in manhole

PROBABLE CAUSE: ~~leak~~

UST INFORMATION

| NO. | AGE | CAPACITY | MATERIAL | PROTECTION INTERNAL | PROTECTION EXTERNAL | OVERFILL | RELEASE DETECTION | SUBSTANCE | STATUS |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 7 | 2000 | steel | lined | coated | | yes | gasoline | |
| 4 | 2 | 2000 | " | " | " | | " | " | |
| 5 | 2 | 2000 | " | " | " | | " | diesel | |
| 7 | 12 | 6000 | " | no | no | | | diesel | |

(Record any additional tanks on reverse side)

PROBABLE LOCATION OF RELEASE: TANK NO. ___ PIPE BETWEEN _____ AND _____

OTHER POTENTIAL SOURCES OF RELEASE: _____

SITE/HAZARD INFORMATION

NATURAL CHARACTERISTICS OF SITE AND SURROUNDING AREA: _____

OTHER HAZARDS AT THE SITE: _____

KNOWN INJURIES OR PROPERTY DAMAGE: _____

INITIAL RESPONSE ACTION BY OWNER/OPERATOR (Check all that apply)

X Release confirmation/Investigation
X Initial corrective action procedurrs
X Free product removal
___ Long term corrective action plan
X Initial site investigation
___ Site assessment/Exposure assessment
___ Unknown/undetermined

CHECKLIST COMPLETED BY: UNGER LOCATION: HQ DATE: 5/27/88

SITE LISTING UPDATE REQUIRED? X YES ___ NO APPROVED: _____ DATE: ___/___/___

CIRCLE STATUS: (SUS) CON ICA FPR EXP LCA NFA PRIORITY: 1 2 3 4 (5) CLASS: A B C (D) (LTF) NON-LTF

REPORT #: 1081444 RELEASE INVESTIGATION/CONFIRMATION CHECKLIST LSTR ID#: 7080

___ MULTIPLE FACILITIES FOR THIS INCIDENT?

SOURCE OF INFORMATION

NAME: _____ TITLE: _____ PHONE: (___) _____

AGENCY/COMPANY: _____ RELATION TO SITE: _____

ADDRESS: _____ CITY: _____ ST: ___ ZIP: _____

REMARKS: _____

RELEASE INVESTIGATION METHOD USED BY OWNER/OPERATOR (Check all that apply)

___ Leak detection system inside secondary containment.
X Precision tank system test.
___ Precision retest of isolated tank.
___ Precision retest of isolated pipe.
___ Inventory records reconciliation.
___ Analysis of soil core samples.
___ Groundwater sample analysis.
___ Site-specific investigation (Describe): found product in mon-hole

RESULTS: _____

TYPE OF DOCUMENTATION ON INVESTIGATION METHOD: _____

LOCATION OF DOCUMENTATION: _____

DATE CONCLUDED: ___/___/___ REPORTED: ___/___/___ DOC. RECEIVED: ___/___/___

OWNER/OPERATOR REPRESENTATIVE SUPERVISING INVESTIGATION

NAME: Lee Tuck TITLE: Chief Power Plant Engineer

COMPANY/AGENCY: Ltd. C-P-C Group PHONE: (419) 755-5351

ADDRESS: 1505 W. Fourth St. CITY: Mansfield ST: Oh. ZIP: 44906

INVESTIGATION METHOD REQUIRED BY (Check): ___ FIRE DEPT. X BUSTR DATE: 5/6/88

X Tank and/or pipe testing (Describe): _____

X Environmental testing (Describe): _____

___ Other (Describe): _____

CITATION/ORDER NO. _____ ISSUED BY: _____ REQD COMP DATE: ___/___/___

INVESTIGATION/CONFIRMATION CONCLUSION

RESULTS: ___ DISPROVED ___ CONFIRMED X UNKNOWN 1301:7-7-28(K) COMPLIANCE? X YES ___ NO

INITIAL RESPONSE ACTION BY OWNER/OPERATOR (Check all that apply)

X Initial corrective action procedures
X Free product removal
___ Long term corrective action plan
X Initial site investigation
___ Site assessment/Exposure assessment
___ Unknown/undetermined

CHECKLIST COMPLETED BY: UNGER LOCATION: H.Q. DATE: 5/27/88

SITE LISTING UPDATE REQUIRED? X YES ___ NO APPROVED: _____ DATE: ___/___/___

CIRCLE STATUS: (SUS) CON ICA FPR EXP LCA NFA PRIORITY: 1 2 3 4 (5) CLASS: A B C (D) (LTF) NON-LTF

REPORT #: 1 0 8 1 4 4 INITIAL CORRECTIVE ACTION PROCEDURES CHECKLIST USTR ID#: 70 80

___ MULTIPLE FACILITIES FOR THIS INCIDENT?

SOURCE OF INFORMATION

NAME: _____ TITLE: _____ PHONE: ( ) _____

AGENCY/COMPANY: _____ RELATION TO SITE: _____

ADDRESS: _____ CITY: _____ ST: ___ ZIP: _____

REMARKS: _____

RELEASE REPORTING AND CONFIRMATION

WAS SUSPECTED RELEASE INVESTIGATED & CONFIRMED? X YES ___ NO IF YES, DATE: 5 6 88

WAS SUSPECTED RELEASE REPORTED WITHIN 24 HOURS TO: FIRE DEPT? X YES ___ NO
BUSTR? X YES ___ NO

WAS FURTHER RELEASE STOPPED? X YES ___ NO IF YES, DATE: 5 6 88 TIME: ___:___

METHOD USED TO STOP RELEASE: _____

DOES ANY PETROLEUM REMAIN IN UST SYSTEM? ___ YES ___ NO IF YES, EST. QUANTITY: _____

HOW WAS ANY REMOVED PETROLEUM DISPOSED OF? _____

DID ANY FIRE/SAFETY HAZARDS EXIST? ___ YES ___ NO WERE THEY MITIGATED? ___ YES ___ NO

HOW: _____

HOW WERE FLAMMABLE WASTES DISPOSED OF: _____

DO ANY FIRE/SAFETY HAZARDS REMAIN ON SITE? ___ YES ___ NO (Describe any on reverse side)

METHOD USED TO IDENTIFY VISIBLY CONTAMINATED SOIL: ___ VISUAL OBSERVATION ___ NONE

___ CHEMICAL ANALYSIS ___ VAPOR MONITORING ___ OTHER _____

WAS SOIL REMOVED? ___ YES ___ NO HOW? _____

HOW WAS SOIL DISPOSED OF: _____

HAULER: _____ TSDF: _____ MANIFEST #: _____
List name, address, phone, and OEPA/DOT ID# of hauler and disposal facility on reverse side

IS REMAINING SOIL CONTAMINATED? ___ YES ___ NO ___ UNKNOWN

HAVE CORRECTIVE ACTION MEASURES BEEN UNDERTAKEN? ___ YES ___ NO START DATE: ___ ___ ___

DOCUMENTATION: _____ LOCATION: _____

HAS FREE PRODUCT INVESTIGATION TAKEN PLACE? ___ YES ___ NO DETECTED? ___ YES ___ NO ___ UNK

HAS TANK REPAIR OR CLOSURE TAKEN PLACE? ___ YES ___ NO DATE: ___ ___ ___

DOCUMENTATION: _____ LOCATION: _____

OWNER/OPERATOR REPRESENTATIVE SUPERVISING ICA/ISI

NAME: Ed Fink TITLE: Chief Power House Engineer

COMPANY/AGENCY: BMI C-R-C Group PHONE: (419) 755-5351

ADDRESS: 2525 W. Fourth St. CITY: Mansfield ST: OH ZIP: 44906

FURTHER RESPONSE ACTION BY OWNER/OPERATOR (Check all that apply)

X Initial site investigation
X Site assessment/Exposure assessment
___ Unknown/undetermined
X Free product removal
___ Long term corrective action plan

CHECKLIST COMPLETED BY: Vicki LOCATION: H.Q. DATE: ___ ___ ___

SITE LISTING UPDATE REQUIRED? X YES ___ NO APPROVED: _____ DATE: ___ ___ ___

CIRCLE STATUS: (SUS) CON ICA FPR EXP LCA NFA PRIORITY: 1 2 3 4 (S) CLASS: A B C (D) (LTF) NON-LTF

# 70814

To _____

Date _____ Time _____

# WHILE YOU WERE OUT

70814 M. Ed Fish

of _____

Phone 919 755 5351
Area Code Number Extension

- [x] TELEPHONED
- [x] PLEASE CALL
- [ ] CALLED TO SEE YOU
- [ ] WILL CALL AGAIN
- [ ] WANTS TO SEE YOU
- [ ] URGENT
- [x] RETURNED YOUR CALL from Friday

Message _____

Called 5-9-88 @ 1130AM N/A left msg

Operator

LINE NO. 120 A DIAL PRODUCT

# Ohio Department of Commerce

Richard F. Celeste, Governor

Two Nationwide Plaza • Columbus, Ohio

Kenneth R. Cox, Director

708144

May 9, 1988

Ed Fish
CPC Group
General Motors Corporation
2525 West Fourth Street
Mansfield, Ohio 44906

Dear Sir:

The Ohio Revised Code, Section 3737.88, gives the State Fire Marshal responsibility for implementation of the underground storage tank program and corrective action program for releases from underground storage tank systems. It has been reported to this office that a petroleum release has occurred at the General Motors Corporation facility at 2525 West Fourth Street, Mansfield, Ohio.

I have enclosed a copy of the "Corrective Action Guidance for Petroleum Releases." This list has been prepared to assist underground storage tank owner/operators in conducting the corrective action activities required by the State Fire Marshal. Also enclosed is a packet of general information that we discussed. Thank you for your cooperation. If you have any questions, please call us at 614-864-5510 or 1-800-282-1927.

Sincerely,

Ken Unger

Ken Unger
Enforcement Supervisor
Bureau of Underground
Storage Tank Regulations

KU:jb
Enclosure

cc: File No. 708144

#-106144

Chevrolet-Pontiac-Canada Group
Mansfield Plant
General Motors Corporation
P.O. Box 2567
Mansfield, Ohio 44906

May 20, 1988

RECEIVED
MAY 23 1988
UNDERGROUND STORAGE TANK PROGRAM

Mr. Ken Unger
Ohio Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
8895 East Main Street
Reynoldsburg, Ohio 43068-3399

Dear Ken;

This letter confirms the telephone conversation of 5-18-88 regarding a release incident. Listed below is the information pertinent to the facility.

| | |
|---|---|
| Caller's name: | Ed Fish |
| Company: | GM C-P-C Group, Mansfield Plant |
| Address: | 2525 W. Fourth Street |
| County: | Richland |
| Telephone: | (419) 755-5351 |
| Material Involved: | Gasoline and Diesel Fuel |
| Location of Incident: | Above Address |
| Quantity Involved: | Unknown |
| Waters Affected: | No Surface Waters |
| Other Parties Notified: | National Response Center, Ohio Environmental Protection Agency, Ontario Village Fire Department. |

Actions Taken:
Tanks Pumped Out.
Tank Testing Completed. Regular and Unleaded Gasoline tanks tested tight. Diesel Tank test showed a leak rate of .115 G/H.
All suction lines tested Tight.
Lines on Reg & Unl Gasoline tested tight.
Free product substantially removed.

This installation is less than two years old, and still under warranty. The installation included a leak detection probe system which did not detect the problem. The problem was detected when a tank level probe failed and the ground level manhole was removed to replace the probe. Free product was discovered at this time. Our workers have substantially removed this free product. No apparent leaks were noticed at the tank manway or vapor recovery pipe flange connections. The tank manufacturer and installation contractor have been informed as to the problem, and we are proceeding with the investigation and cleanup.

Sincerely,

Ed Fish

Ed Fish
Chief Power House Engineer

bcc: R. Enskat
J. Duke
T. Strauss
P. McCarroll
M. Zdyb

H 708144

70-50

MAIL TO: State Fire Marshal, UTN, 8895 E. Main St., Reynoldsburg, Ohio 43068

# Notification for Underground Storage Tanks

Ohio Department of Commerce
State Fire Marshal
COM 5120
ID (State use only)

1. Name and address of the facility (PRINT OR TYPE IN ALL SPACES)
C-P-C Group
General Motors Corporation
Mansfield Metal Fabricating Plt.
2525 W. Fourth St.
P.O. Box 2567
Mansfield, Ohio 44906

2. Business mailing address of facility, if different from location address
same
Richland

3. Owner of tank (name, business address, and phone number)
Same
(419) 755-5011

4. Contact person for the facility (Name and phone number)
E. E. Fish
Chief Power House Engineer
(419) 755-5351

5. Type of owner (Mark "X" in appropriate box)
[X] Private [ ] Government

6. Remarks

Complete the following section(s) to the best of your knowledge using the examples provided as guidance. Check appropriate boxes and fill in blanks where applicable. If you need more space, photocopy this page or use a continuation sheet. If you do not know the answer, enter "unknown."

(7H, 7I & 7J must be completed for tanks no longer in use.)

7. All tanks currently in use or that will be brought into use and all tanks no longer in use.

| A. Tank No. | B. Age (yrs.) | C. Total capacity (gal.) | D. Material of construction: Steel | D: Fiberglass reinforced plastic | D: Other (specify) | E. Internal protection: Lined | E: Unlined | F. External protection: Coated | F: Wrapped | F: Cathodic protection | F: Other (specify) | G. Substance type: Gasoline | G: Diesel | G: Kerosene | G: Hazardous substance name | G: UN # | H. Date of last use: Month | H: Year | I. Estimated Quantity (gal.) | J. X if tank is no longer in use |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Boiler pit | 5 | 10,000 | | X | | | X | X | | | | | | X | | | | | | |
| Boiler pit | 8 | 8,000 | X | | | | X | | | X | | | | | Trichloroethylene | 1710 | | | | |
| Boiler pit | 26 | 8,000 | X | | | | X | X | | | | | X | | | | 6 | 75 | 120 | X |
| 1 | 0 | 2,000 | X | | | X | | X | | X | | X | | | | 1203 | | | | |
| 2 | 0 | 2,000 | X | | | X | | X | | X | | X | | | | 1203 | | | | |
| 3 | 0 | 2.000 | X | | | X | | X | | X | | | X | | | 1203 | | | | |
| 4 | 0 | 15,000 | X | | | | X | X | | X | | | | | Hazardous Waste Liquid NOS | 9188 | | | | |
| 5 | 10 | 6,000 | X | | | | X | | | | | | X | | | 1203 | | | | |
| 6 | 30 | 7,000 | | | Concrete | X | | | | | | | | | Used Oil | 1270 | | | | |
| 7 | 30 | 50,000 | | | Concrete | X | | | | | | | | | Oily Wastewater #1 | 1270 | | | | |

8. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. This certification is made on behalf of General Motors Corporation.

A. Name, SSN and Official Title of owner or owner's authorized representative (type or print)
Robert H. Enskat Plant Manager

B. Signature

C. Date signed
4-28-84

This information is required by Section 6002 of the Federal Resource Conservation and Recovery Act, as amended. (P.L.94-580)

70-80

MAIL TO: State Fire Marshal, UTN, 8895 E. Main St., Reynoldsburg, Ohio 43068

# Notification for Underground Storage Tanks

Ohio Department of Commerce
State Fire Marshal
COM 5120
ID (state use only) 3-26-88

1 Name and address of the facility (PRINT OR TYPE IN ALL SPACES)
C-P-C Group
General Motors Corporation
Mansfield Metal Fabricating Plt.
2525 W. Fourth St.
P.O. Box 2567
Mansfield, Ohio 44506

2 Business mailing address of facility, if different from location address
same

3. Owner of tank (name, business address, and phone number)
Same
(419) 755-5011

4. Contact person for the facility (Name and phone number)
E. E. Fish
Chief Power House Engineer
(419) 755-5351

5 Type of owner (Mark "X" in appropriate box)
☒ Private ☐ Government

6 Remarks

Complete the following section(s) to the best of your knowledge using the examples provided as guidance. Check appropriate boxes and fill in blanks where applicable. If you need more space, photocopy this page or use a continuation sheet. If you do not know the answer, enter "unknown."

(7H, 7I & 7J must be completed for tanks no longer in use.)

7 All tanks currently in use or that will be brought into use and all tanks no longer in use.

| A Tank No | B Age (yrs) | C Total capacity (gal) | D Material of construction: Steel | D: Fiberglass reinforced plastic | D: Other (specify) | E Internal protection: Lined | E: Unlined | F External protection: Coated | F: Wrapped | F: Cathodic protection | F: Other (specify) | G Substance type: Gasoline | G: Diesel | G: Kerosene | G: Hazardous substance name | G: UN # | H Date of last use: Month | H: Year | I Estimated Quantity (gal) | J Tank is no longer in use |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Example | 5 | 10,000 | | X | | | X | X | | | | | | X | | | | | | |
| Example | 8 | 8,000 | X | | | | X | | | X | | | | | Trichloroethylene | 1710 | | | | |
| Example | 26 | 8,000 | X | | | | X | X | | | | | X | | | | 6 | 75 | 120 | X |
| 1 | 30 | 50,000 | | | Concrete | X | | | | | | | | | Oily Wastewater #2 [4] | 1270 | | | | |
| 2 | 30 | 22,000 | | | Concrete | X | | | | | | | | | Oil Sludge [4] | 1270 | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | |

8 Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. This certification is made on behalf of General Motors Corporation.

A. Name, SSN and Official Title of owner or owner's authorized representative (type or print)
Robert H. Enskat Plant Manager

B. Signature

C. Date signed
4-28-88

This information is required by Section 9002 of the Federal Resource Conservation and Recovery Act, as amended. (P.L.98-616)

Chevrolet-Pontiac-Canada Group
Mansfield Plant
General Motors Corporation
Post Office Box 2567
Mansfield Ohio 44906

APRIL 28, 1986

STATE FIRE MARSHALL
UTN
8895 E. MAIN ST.
REYNOLDSBURG, OHIO 43068

DEA
..OSED FIND TWO SHEETS OF THE C-P-C MANSFIELD'S UNDERGROUND
STO.. .. TANKS ON THE OHIO UTN SHEETS.

IF YOU HAVE ANY QUESTIONS, PLEASE CALL ME AT 419-755-5351.

VERY TRULY YOURS
Edward Fish
EDWARD FISH
CHIEF POWER HOUSE ENGINEER

Chevrolet Pontiac Canada Group
Mansfield Plant
General Motors Corporation
P.O. Box 2567
Mansfield, Ohio 44906

July 20, 1988

Mr. Bill Schneider
Ohio Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
8895 East Main Street
Reynoldsburg, Ohio 13068-3399

Dear Bill:

This is a summary of the findings and progress of the investigation regarding the underground storage tank leak at the C-P-C Mansfield Plant facility. Initial findings were reported to Mr. Ken Unger, of your office, in our May 20, 1988 letter.

The 10" concrete slab has been removed and the piping has been exposed above the tanks showing all threaded and flanged connections. Additional excavation has been performed around the diesel fuel tank, and approximately 2/3 of the tank shell is exposed. The soil was examined during excavation and no soil showed signs of staining.

An internal inspection of the tanks has been performed. The interior of the tank shows no signs of corrosion at the welds nor on the shell. The inner coating in the diesel fuel tank, Plasite 7111, showed signs of poor adhesion, and was coming off in large areas. The cause of the poor adhesion was a lack of surface preparation, sandblasting, prior to the application of the coating. The inspection of the gasoline tanks showed only very small areas where the coating did not bond properly. Surface preparation was better in these tanks, but not as coarse as recommended by the manufacturer. Paint coating thickness seemed fairly uniform and of proper thickness. The coating manufacturer's representative has inspected the tank to confirm the findings, and is making a report. Samples of paint chips which have fallen off were taken by the manufacturer's rep. for analysis. The coating, Plasite 7111, is suited for service as a fuel tank coating, per the literature provided by the coating manufacturer. All three tanks will be sandblasted and the coating reapplied. Mr. Charles Harding, President of Clawson Tank was in on July 19, 1988 to inspect the tanks. His findings confirmed the initial inspection, and Clawson tank will reapply the liner on a warranty basis.

Inspection of the piping system showed that the gaskets had swelled. These gaskets were a full face gasket on raised edge flanges. The gasket material was specified to be Viton Rubber. Inspection of two gaskets removed from the vapor recovery line showed signs of cracking in the area of the raised edges of the flanges. The gasket removed from the suction line on the diesel tank showed severe deterioration. Samples of the gaskets have been sent out for laboratory analysis to determine the type of rubber composition. New Viton rubber gaskets have been purchased and will be installed. The threaded connections were also checked for tightness. The standpipes above suction tees were found to be loose. Each pipe was able to be tightened one full turn by hand. Also loose was the threaded flange on the diesel tank suction line after the suction tee. The entire suction line on the diesel tank was not threaded into the tank. The pipe may have been pulled loose during the removal of concrete or excavation of soil, but threads appeared to have been torn in the nylon isolation bushing in the tank. This suggests damage during work in the investigation. The tanks were refilled with water to a point 48 inches above the top of the tank. All lines, except the vapor recovery lines were also filled with water. Seepage was noted on the regular gasoline tank on the fill, vent and suction lines. No seepage was detected on either of the other tank's lines.

Samples of soil and water have been taken and sent for analysis. Soils are being checked for flash point, EP toxic (Lead), and total hydrocarbons. Verbal results of the soil excavated report :

Flash Point >210 F.
EP Extract for Lead: <0.046 mg/l

Waters found in the monitoring manhole are being checked for Benzene, Toluene, & Xylene, and Oil & Grease. Results have not been received from the laboratory yet, but will be forwarded to your office after we receive them.

A quantity of the release cannot be accurately estimated. The soil surrounding the tank is heavy clay which acted as a vault, and the sand fill around the tanks held the fuel on top of trapped water. This trapped water was as a result of rain water collected from the containment area around the fill and vapor recovery pipes. Additional water came from rainfall on the roadway and a portion of the runoff traveled through the base material under the roadway and was trapped in the tank area. Additional soil samples have been taken, and the results will dictate the cleanup.

The leak is small in nature and was very localized because of the design of the system, and the heavy clay soil acted as a vault, preventing the spread of contamination.

Copies of the soil and water analyses will be sent to your office after we receive them.

Questions regarding this incident, report, repairs to the tank, and cleanup of contaminated soil should be directed to Ed Fish at (419) 755-5351.

Sincerely,

E. E. Fish

E. E. Fish
Chief Power House Engineer

Chevrolet-Pontiac-Canada Group
Mansfield Plant
General Motors Corporation
P.O. Box 2567
Mansfield, Ohio 44906

August 11, 1988

Mr. Bill Schneider
Ohio Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
8895 East Main Street
Reynoldsburg, Ohio 43068-3399

Dear Bill:

This is an update as to the findings and progress on the repairs to the underground storage tanks at the C-P-C Mansfield Facility. The initial site investigation was reported to your office in our July 20, 1988 letter.

Results from the water sampling from the collection piping around the perimeter of the tank farm at the base of the tanks has been received, and a copy of the results is attached. This was trapped water in the fill around the tanks, between the building and the roadway. The water was tested for Benzene, Toluene, Xylene, and Oil & Grease. All analyses showed not detectable levels for all parameters. The sample was taken below the surface of the water of the monitor manhole which is the receiver for the perimeter collection system. Water pumped from this manhole was discharged onto the concrete roadway and allowed to evaporate.

Soil samples have also been taken, and the results received, with copies attached. The soil taken from above the Unleaded tank showed 244 PPM Total Petroleum Hydrocarbons. Samples were taken later from different areas around the fuel tanks, and from the dumpsters of excavated soil ( Fig. 1 ). Additional excavation around the tanks has taken place since the six samples were taken from around the tanks. All soil excavated was disposed of at the Richland County Sanitary Landfill in accordance with state regulations.

Results of the flange gasket testing have also been received. These gaskets were not as specified in the original installation specifications. The specified gaskets were to be of Viton Rubber, while the gasket tested which was removed from the regular gasoline vapor recovery line was Styrene Butadiene rubber. All gaskets showed signs of swelling and deterioration, allowing possible small seepage.

The free product and water removed from around the access manholes was pumped into drums, mixed with used oil, and burned for energy recovery in the plant's industrial boiler. All possible free product was recovered before concrete was removed and soil excavated. The free product was sent for analysis to determine the type of fuel. Samples were taken from each manhole over each tank. West ( Unleaded Tank ), Center ( Regular Tank ), and East ( Diesel Tank ). The laboratory was able to determine that diesel fuel and gasoline were in the samples removed from the manholes ( based on samples of each fresh fuel provided as standards ). They were not able to distinguish the difference between regular and unleaded gasoline in the samples, only that gasoline was present. The attached lab report provides more detail on the "fingerprint" test.

Capital Petroleum Equipment of Columbus, Ohio has been selected to do the supervision of the systems ravisions and repairs. The new system will incorporate the Total Containment products. These include a plastic outer piping over all product lines. observation wells (where required), new fill system with spill box, and a 36 inch manway sealed to prevent any possibility of product loss to the environment in event of a leak in the piping. The system will continue to be of suction type. A print of the revised installation is enclosed. There may be some minor changes based on the recommendation of Capital Petroleum. The final system design will be sent to you for your comment when it is received.

Please review the attached soil sampling data. Areas where high levels of total petroleum hydrocarbons were found were further excavated. All soil showed no signs of any staining. Soil samples were taken after the additional excavation was complete. These results will be sent to your office when we receive them. Plans are to backfill with clean soil and complete system revisions.

The leak was very small, caused by seepage from gaskets. Spillage also occurred during filling of the tanks. The contamination was contained by the clay soil surrounding the tank sand backfill. The trapped water kept the contamination near the surface in the tank area where it could be recovered. Contamination was greater in the soil near the manholes, and was less concentrated deeper, as the soil was excavated.

Pending the additional laboratory analysis of soils and proposed system modifications, C-P-C Mansfield is requesting permission from the State Fire Marshals Office to backfill the area with clean sand and put the tank system back into use.

This is the corrective action we have taken to date. After reviewing this letter, please contact me at (419) 755-5351 with any questions, comments, or suggestions.

Very Truly Yours,

Edward Fish

Edward Fish
Chief Power House Engineer

PEI Analytical Services

11499 Chester Rd.
Cincinnati, Ohio 45246
(513) 782-4700

Client: GM/CPC GROUP
Mansfield Plant
2525 West Fourth Street
Mansfield, Ohio 44906

Attn: Mr. Ed Fish

Project No.: 4646-7
Requisition No.: T8-06-270
Date Received: 6/30/88
Sampled by: CLIENT
Date Reported: 7/21/88

| | |
|---|---|
| SAMPLE ID: | Contaminated Soil at Tanks — ABOVE UNLEADED TANK |
| PEI No.: | 01A |
| Flashpoint, degrees F | >210 |
| EP Tox by MOA | |
| Lead, mg/L | <0.066 |

Submitted by:

Laprice Bearden
Inorganic Laboratory
Supervisor

PEI Analytical Services

CLIENT: GM/CPC GROUP MANSFIELD PLANT
2525 WEST FOURTH STREET
MANSFIELD, OHIO 44906

ATTN: MR. ED FISH

PROJECT: 4646-7
REQ: TB-06-270
RECEIVED: 06/30/88
FILE: A 791

DATE REPORTED: 07/05/88

MATRIX: SOIL

| SAMPLE ID | PEI NO. | TOTAL PETROLEUM HYDROCARBONS, PPM |
|---|---|---|
| CONTAMINATED SOIL AT TANKS 6/28/88 (ABOVE UNLEADED TANK) | 01 | 244. |

ND=Not Detected (<50 PPM)

PEI Associates, Inc.
11499 Chester Rd.
Cincinnati, Ohio 45246
513-782-4700

Approved By:

H. William Jess
Organic Laboratory
Supervisor

P.E.I. ASSOCIATES

GM MANSFIELD
PN-4646_7
TS-05-160

JUNE 9, 1988
C.L. ZWIRSZDAS

HYDROCARBON FINGERPRINT

The samples and standards provided were diluted with methylene chloride and ran on a gas chromatograph with a flame ionization detector. The column used was a capillary DB-5, with temp. programing.

The fingerprints of "CENTER" 1874 (02A) and "EAST" 1875 (03A) matched the firgerprint of standard desiel fuel provided (04). The intensity and relative retention times were within an acceptable range.

The fingerprint of "WEST" 1873 (01A) shows a mixture of desiel fuel and gasoline. The proportion of gasoline, and identity (unleaded 05A or regular 06A) is not possible because:

1) The difference between regular and unlead gas occurs in the lower molecular weight (light) fractions. These low mol. wt. fractions are not in the 01A fingerprint.

2) It appears that the low boiling fractions of the west (01A) have been selectively removed from the material by evaporation or some form of extraction. This leaves a fingerprint which confirms desiel fuel but does not confirm gasoline as its relative intensity to retention time can not be matched peak for peak.

Cheryl L. Zwirzdas
C.L.Z.

PEI Analytical Services
11499 Chester Rd.
Cincinnati, OH 45246
(513) 782-4700

| | | | |
|---|---|---|---|
| Client: | General Motors Corp.<br>CPC Group Mansfield Plant<br>2525 West Fourth St.<br>Mansfield, OH 44906 | Project No.:<br>Requisition No.:<br>Date Received:<br>Sampled by:<br>Date Reported: | 4646-<br>07-116<br>7/14/88<br>Client<br>7/19/88 |
| Attn: | Mr. Ed Fish | | |

Water from Monitor Manhole, collected 7/13/88.

Analysis for BTX (benzene, toluene, and xylenes):

All not detected at 2 ppb (ug/L).

Analysis for oil and grease:

Not detected at 0.4 ppm (mg/L).

Submitted by: Craig H Caldwell

WADSWORTH/ALERT
LABORATORIES, INC.

# INFRARED SPECTROSCOPY

COMPANY: Chevrolet-Pontiac Canada
LABORATORY ID: 5413-30429
SAMPLE ID: Rubber gasket
P.O. Man 667033

RECEIVING DATE: 7/15/88
REPORTING DATE: 7/25/88

## Sample Preparation

The infrared spectrum was obtained on the pyrolyzate of the as received sample as a thin film on a potassium bromide (KBr) disk.

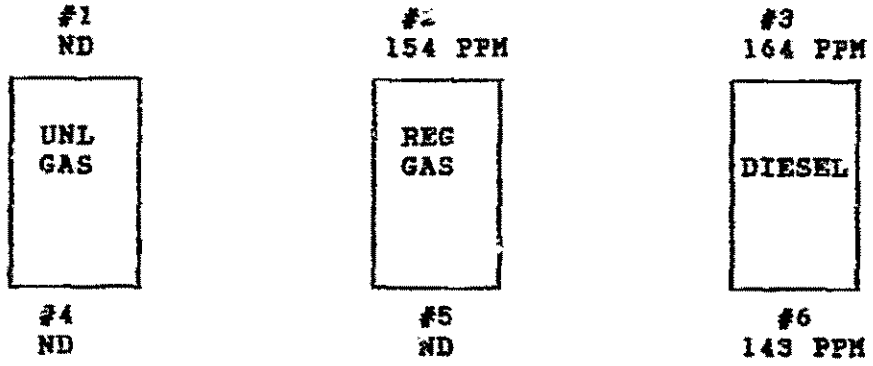
## Comments

Material Identification - Styrene Butadiene rubber (SBR)

*General Electric Technical Data Book S-21

Infrared spectra were obtained from a Beckman 4250 dispersive filter grating double beam infrared spectrophotometer scanning from 4000 to 200 wavenumbers cm-1.

## SOIL SAMPLE LOCATIONS




#7 PILE ON VISQUEEN ON GRADE - 3#3# PPM

#8 ROLL OFF DUMPSTER #1 - 19# PPM

#9 ROLL OFF DUMPSTER #2 - 372# PPM

DETECTION LIMIT = 5# PPM

ND = NOT DETECTED

SAMPLES FROM PILE AND DUMPSTERS CONSISTED OF A THREE SAMPLE COMPOSITE FOR EACH.

A 3/4 INCH CORE SAMPLE APPROXIMATELY 36 INCHES DEEP WAS TAKEN FOR EACH SAMPLE NUMBERED ONE THRU SIX.

PEI Analytical Services

CLIENT: GM/CPC GROUP MANSFIELD PLANT
2525 WEST FOURTH STREET
MANSFIELD, OHIO 44906

ATTN: MR. ED FISH

PROJECT: 4646-7
REQ: T8-07-169
RECEIVED: 07/22/88
FILE: B042

DATE REPORTED: 08/02/88

MATRIX: SOIL

| Sample ID | PEI No. | Analyte Concentration, PPB Benzene | Toluene | Xylenes | Petroleum Hydrocarbons |
|---|---|---|---|---|---|
| Soil # 1 | -01 | ND | 9 | 91 | ND |
| Soil # 2 | -02 | ND | ND | 45 | 154000 |
| Soil # 3 | -03 | ND | ND | ND | 164000 |
| Soil # 4 | -04 | ND | ND | ND | ND |
| Soil # 5 | -05 | ND | ND | ND | ND |
| Soil # 6 | -06 | ND | ND | ND | 143000 |
| Soil # 7 | -07 | ND | ND | 50500 | 3030000 |
| Soil # 8 | -08 | ND | ND | ND | 190000 |
| Soil # 9 | -09 | ND | 6 | 480 | 3720000 |
| Detection Limit, PPB | | <5 | <5 | <5 | <50000 |

ND= Not Detected

Sample # Location
1 Northwest
2 North Ctr
3 North East
4 Southwest
5 South Ctr
6 Southeast
7 Pile
8 Dumpster #1
9 Dumpster #2

PEI Associates, Inc.
11499 Chester Rd.
Cincinnati, Ohio 45246
513-782-4700

Approved By:

H. William Jess
Organic Laboratory
Supervisor

# Ohio Department of Commerce

Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
8895 E Main St. • P.O. Box 687
Reynoldsburg, OH 43068-9009
(614) 752-7938 FAX (614) 752-7942
www.com.state.oh.us

Bob Taft
Governor

Lt. Governor Jennette Bradley
Director


March 24, 2003

KAREN KEYS
MFD GROUP GENERAL MOTORS CORP
PO BOX 2567
MANSFIELD OH 44906

SITE: MANSFIELD FABRICATING PLANT
2002 TANK SYSTEM REMOVAL
2525 W 4TH ST
MANSFIELD OH
RICHLAND COUNTY
RELEASE #70000080-N00002

RE: NO FURTHER ACTION STATUS REGARDING CLOSURE REQUIREMENTS

Dear Ms. Keys:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for this release. Based on this information, BUSTR requires no further action (NFA) involving closure requirements under Ohio Administrative Code (OAC) 1301:7-9-12, effective March 1999.

Thank you for your cooperation. If you have any questions, please contact our office at (614) 752-7938.

Sincerely

Kelly J. Gill
Corrective Action Supervisor

xc: Site File

Otter Corrective Action Release Report
Release 70000080-N00002 printed by Israel

**Responsible Party**
W000168

**Person Reporting Release**

, OH

**Release Location**
70000080 - MANSFIELD FABRICATING PLANT

2525 W 4TH ST
MANSFIELD, OH 44906
Richland

**Release Information**
Release Number: N00002
Date Reported: 12/17/02
Source: Closure
Content: Gasoline;Diesel
Rules: 1999
Class: D
Deed Restriction: No
Date of Last Status Change: 3/24/03
LTF Code: 6 Closure of regulated UST

**Site Information**
Site Area Type:
GW Flow: GW Depth:
Sensitive Area: No Wellhead Protection: No
Depth to Bedrock:
Cleanup Tech:

**Contamination**
Soil Contamination: No
Soil Category: Soil Class:
Total Gal FPR:
Contaminant:
Above AL:

GW Contamination: No
Type of GW:
Alt DW supplied: No
Total Gal GW remediated:
Contaminant:
Above AL:

**Priority Tracking System**
Soil:
Water:
Free Product:
Drinking Water:
Other:
Rating: 0

Site Listing Update

12/17/02: Inspection report completed for the removal of 2-2K gasoline and 1-2K diesel UST's.

03/19/03: Closure report received.

03/24/03: Closure report review: No soil samples above action levels. Recommended for NFA status.

# CLOSURE ASSESSMENT REVIEW FORM

Facility / Release #
Facility Name/Contact
Permit #
FDID #
Date Closure Report Received
Date Closure Performed

CLOSURE / DEFICIENCY REVIEW

RULE
1992 / 1999

| Soil Classification | Sand/Gravel | Silty/Clayey Sands | Clay/Silt |
|---|---|---|---|
| Soil Symbol | GW GP GM GC SW SP SM | SC MC CL OL MH | CH OH |

| YES | NO | N/A | SAMPLING |
|---|---|---|---|
| | | | Samples Split Screen/Lab |
| | | | Container/equipment/preserved |
| | | | Field screening readings |
| | | | Field screening methods |
| | | | Locations number of samples |
| | | | Excavation water info provided |
| | | | |
| | | | Laboratory |
| | | | Correct samples submitted |
| | | | Chain-of-Custody |
| | | | Analyzed within holding time |
| | | | Test methods/detection limits |
| | | | Lab reports |

| YES | NO | N/A | Report |
|---|---|---|---|
| | | | Owner, operator, facility info |
| | | | Tank info provided |
| | | | Closure form complete |
| | | | UST contents disposal |
| | | | UST waste water |
| | | | UST system disposal |
| | | | Site map of facility/area |
| | | | Copy of permit |
| | | | PCS |
| | | | PCS form |
| | | | Correct number of samples |
| | | | Acceptable disposal |
| Pile #1 | Pile #2 | Pile #3 | |
| 27c | | | Volume in cubic yards |
| | | | Disposition |

L=landfill T=treatment by O/O
R=returned to excavation S=stockpiled

| CAVITY # | TANK # | CAPACITY | PRODUCT | MATERIAL | TANK | PIPE | DISP | COMMENT |
|---|---|---|---|---|---|---|---|---|
| | | 2cc | | | R | I | I | — |
| | | 6C | | | R | I | R | — |
| | | 2cc | | | R | I | R | — |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

R=Removed CIU=Currently in Use A=Abandoned in place NA=Not Applicable

| LABORATORY RESULTS | Closure Data Soil (ppb) | Closure Data Water (ppb) | Stockpile 1 27c yds | Stockpile 2 yds | Stockpile 3 yds |
|---|---|---|---|---|---|
| BENZENE | <5.4 | | <5.4 | | |
| TOLUENE | 7.2 | | 7.2 | | |
| ETHYLBENZENE | <5.4 | | <5.4 | | |
| XYLENE | <5.4 | | <5.4 | | |
| MTBE | 22 | | 22 | | |
| BENZO(a)ANTHRACENE | <330 | | <330 | | |
| BENZO(a)PYRENE | <330 | | <330 | | |
| BENZO(b)FLUORANTHENE | <330 | | <330 | | |
| BENZO(k)FLUORANTHENE | <330 | | <330 | | |
| CHRYSENE | <330 | | <330 | | |
| DIBENZ(a,h)ANTHRACENE | <330 | | <330 | | |
| INDENO(1,2,3-CD)PYRENE | <330 | | <330 | | |
| NAPHTHALENE | <330 | | <330 | | |
| TPH (C-10–C-20) | <0.46 | | <0.46 | | |
| TPH (C-20–C-34) | | | | | |
| VOC's | Y / N | Y / N | Y / N | Y / N | Y / N |

Status: DEF / NFA / CR Class: LTF / SCF / SCI Sensitive Area: YES / NO

Reviewed By: Date:

Revised CARform

1/3 Stup!

3/24/03

# BUSTR CLOSURE FORM

**OWNER INFORMATION:**

NAME: MFD Group, General Motors Corp.
ADDRESS: PO Box 2507
CITY, STATE: Mansfield OH
ZIP: 44906
CONTACT PERSON: Karen Keys
PHONE #: 419-755-5307

PERMIT #: P00002

**FACILITY INFORMATION:**

NAME: Mansfield Metal Fabricating Plant
ADDRESS: 2525 W. 4th St
CITY: Mansfield OH 44906
COUNTY: Richland
OPERATOR: Plant Manager JOHN DONAGHE
PHONE #: 419-755-5251
FACILITY ID#: 70-000080
FIRE DEPARTMENT: Springfield Twp. Fire Dept.
FDID #: 70127

~~The UST's were used for on-site equipment, i.e., towmotors, sweepers, etc. (commercial use). A visual site evaluation took place on December 11, 2002. At this time a turbo vac was mobilized and removed and placed into DOT drums the residual product. At the UST area, including dispensers, there was no surface staining on the concrete top pad. No indications of spills or overfilling. A tank monitoring system was active, including leak detection and monitoring well detection. Throughout the service of the system no operating problems occurred.~~

| TANK # | AGE | CAPACITY | PRODUCT | CONST. MATERIAL | TANK STATUS | HOLES YES/NO | PIPE STATUS | HOLES YES/NO | DISP. | DATE REMOVED |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 1964 | 2000 | unleaded | dbl wall steel | R | no | R | no | R | 12-17-02 |
| 02 | 1964 | 2000 | unleaded | dbl wall steel | R | no | R | no | R | 12-17-02 |
| 03 | 1964 | 2000 | diesel | dbl wall steel | R | no | R | no | R | 12-17-02 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

*STATUS – TC-Temporary Closure RE-Replace R-Removed CIU-Currently in Use NA-Not Applicable CIS-Change in Service A-Abandoned In Place*

## SAMPLE COLLECTION PROCEDURES:

SAMPLE PRESERVATION: Samples were placed into a laboratory supplied cooler placed on ice, and not allowed to exceed 4 deg. C. for the preservation of volatiles.

SAMPLING EQUIPMENT: Split spoon

SAMPLING METHOD: Sample was placed into a laboratory pre-cleaned jar with a teflon lid, labeled and identified on-site. Corresponding sample placed into a polyethylene bag, 2/3 full for field screening. After field screening, the sample with the highest PID reading (if any) was documented and the corresponding sample sent to the laboratory for analysis. Sampling locations and quantities were completed to RUSTR requirements.

## FIELD SCREENING:

INSTRUMENT USED: Photoionization detector PID #MN PI 101

METHODOLOGY USED Field screening was done with a portable PID. The sample that was placed into the polyethylene bag was allowed to equilibrate for 15 minutes. The tip of the PID was then inserted into the headspace within the bag. Instrument readings were observed and documented until the headspace was depleted.

## CALIBRATION PROCEDURES:

The PID was calibrated using factory supplied calibration gas, which contained benzene, vinyl chloride, and isobutylene. This was done at 8 am, December 17, 2002, by Ross R. Jones, Certified Installer on site.

*CIRCLE CORRECT CHOICE*

**SENSITIVE AREA:** YES (NO)

**DEPTH TO GROUNDWATER:** <1' 1-5 15-30 31-50 (>50') ACTUAL DEPTH_____

*IF UNKNOWN DEPTH TO GROUNDWATER, DEFAULT TO <15 FEET*

WAS WATER PRESENT IN EXCAVATION? YES (NO)

WAS A WATER SAMPLE TAKEN? YES (NO)

WATER SAMPLE COLLECTED AFTER EXCAVATION EVACUATED: YES / NO

*IF NO EXPLAIN:*

## SOIL DATA

*CIRCLE CORRECT CHOICE:*

**SOIL CLASSIFICATION:** SAND/GRAVEL SILTY/CLAYEY SANDS (CLAY/SILT)

**SOIL SYMBOL:** GW GP GM GC SW SP SM SC ML (CL) OL MH CH OH PT

*ATTACH SIGNED BUSTR SOIL CLASSIFICATION CHART AS APPENDICIES*

## SAMPLE DATA

| DATE SAMPLE COLLECTED | SAMPLE ID | LOCATION | DEPTH | FIELD SCREENING READING | SUBMITTED TO LAB? YES/NO |
|---|---|---|---|---|---|
| 12/17/02 | TK-01A | North Bottom | -11' | ND | No |
| | TK-01B | South Bottom | -11' | ND | No |
| | TK-02A | North Bottom | -11' | ND | No |
| | TK-02B | South Bottom | -11' | ND | Yes |
| | TK-03A | North Bottom | -11' | ND | No |
| | TK-03B | South Bottom | -11' | ND | No |
| | Spoils 01 | Stockpile - Common | see below* | ND | No |
| | Spoils 02 | Stockpile - Common | | ND | No |
| | Spoils 03 | Stockpile - Common | | ND | Yes #A |
| | Spoils 04 | Stockpile - Common | | ND | No |
| | Spoils 05 | Stockpile - Common | | ND | No |
| | Spoils 06 | Stockpile - Common | | ND | No |
| | Spoils 07 | Stockpile - Common | | ND | Yes #B |
| | Spoils 08 | Stockpile - Common | | ND | No |
| | *NOTE | Stockpile Samples taken 12-18" into | | | |
| | | stockpiled material using a split- | | | |
| | | spool tool | | | |

**NAME AND AFFILIATION OF PERSON COLLECTING SAMPLES:**
Ross R. Jones, Maintenance Unlimited, Inc.

*A COPY OF THE CHAIN OF CUSTODY AND THE LABORATORY DATA SHEETS MUST BE ATTACHED AS AN APPENDIX*

## LABORATORY DATA

LABORATORY NAME: Severn Trent Laboratory
ADDRESS: 4101 Shuffel Drive NW, North Canton, OH 44720
PHONE #: 330-497-9396
LABORATORY ANALYST NAME: Denise Pohl & Lance Larson
DATE SAMPLES RECEIVED BY LAB: 12/18/02
DATE SAMPLES ANALYZED BY LAB: 12/23/02

## [redacted]

| SAMPLE ID: | WATER | SOIL TK-02B | SOIL #A | SOIL #B | SOIL | SOIL | SOIL | TEST METHOD |
|---|---|---|---|---|---|---|---|---|
| **CHEMICAL OF CONCERN:** | | | | | | | | |
| BENZENE | | ND | | | | | | |
| TOLUENE | | 1.2 | | | | | | |
| ETHYLBENZENE | | ND | | | | | | |
| TOTAL XYLENES | | ND | | | | | | |
| MTBE | | ND | | | | | | |
| BENZO(a) ANTHRACENE | | ND | | | | | | |
| BENZO (a) PYRENE | | ND | | | | | | |
| BENZO (b) FLUORANTHENE | | ND | | | | | | |
| BENZO (k) FLUORANTHENE | | ND | | | | | | |
| CHRYSENE | | ND | | | | | | |
| DIBENZ (a,h) ANTHRACENE | | ND | | | | | | |
| INDENO (1,2,3,-CD) PYRENE | | ND | | | | | | |
| NAPTHALENE | | ND | | | | | | |
| TPH (C10-C20) | N/A | 3.1 | | | | | | |
| TPH (C20-C34) | N/A | 9.2 | | | | | | |
| OTHER C10-C34 | | 12 | | | | | | |

*IF ACTION LEVELS ARE EXCEEDED, CONDUCT A TIER I INVESTIGATION ACCORDING TO OAC 1301:7-9-13(D).*

## [redacted]

| STOCKPILE ID: | | SPOILS/COMMON | | | | | | TEST METHOD |
|---|---|---|---|---|---|---|---|---|
| CUBIC YARDS: | | 276 | | | | | | |
| STOCKPILE DISPOSITION* | | R | | | | | | |

*R–RETURNED TO CAVITY L–LANDFILL S–STOCKPILED T–TREATMENT BY O/O*

| CHEMICAL OF CONCERN: | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BENZENE<br>TOLUENE | | | | | | | | |
| ETHYLBENZENE | | | | | | | | |
| TOTAL XYLENES<br>MTBE | | | | | | | | |
| BENZO (a) ANTHRACENE | | | | | | | | |
| BENZO (a) PYRENE | | | | | | | | |
| BENZO (b) FLUORANTHENE | | | | | | | | |
| BENZO (k) FLUORANTHENE<br>CHRYSENE | | | | | | | | |
| DIBENZ (a,h) ANTHRACENE | | | | | | | | |
| INDENO (1,2,3,-CD) PYRENE<br>NAPTHALENE | | | | | | | | |
| TPH (C10-C20) | | | | | | | | |
| TPH (C20-C34) | | | | | | | | |
| OTHER: Tanks disposed to: | | | | | | | | Elliron Iron & Metal |

**UST SYSTEM DISPOSITION:**
NAME: Milliron Iron & Metals
ADDRESS: 2384 St. Rt. 39 NW
CITY/STATE/ZIP: Mansfield OH 44903 Phone 419-747-6522, Ed

**PRODUCT DISPOSITION:**
NAME: Rineco
ADDRESS: 1007 Vulcan Road
CITY: Benton
STATE/ZIP: AR 72015
VOLUME/GALLONS: Fuels blended - 220 gal.

**WASTEWATER DISPOSITION:**
NAME: Rineco
ADDRESS: 1007 Vulcan Road
CITY: Benton
STATE/ZIP: AR 72015
VOLUME/GALLONS: 110 gallons fuels blended

The Petroleum Contaminated Soil (PCS) Form must be completed (See Closure Packet, call SFM/BUSTR, or visit our web site). The PCS laboratory data sheets must be attached to the PCS Form.

***ADDITIONAL INFORMATION, WHICH CLARIFIES CLOSURE ACTIVITIES, SHALL BE SUBMITTED AS APPENDICIES TO THIS REPORT.***

**COPY OF PERMIT & FIELD INSPECTION REPORT:**
MUST BE ATTACHED

**SITE MAP:** Site maps, drawn to scale, must be attached. Maps should include property boundaries, street locations, UST cavity dimensions, above ground structures, UST systems, adjacent properties, sample locations, water wells within 2000 feet of the site, any utilities, and the location(s) of previously closed UST systems.

**CERTIFIED FIRE SAFETY INSPECTOR:**
NAME: Amy Gayton
COMPANY/FD: BUSTR
ADDRESS: Reynoldsburg OH
PHONE #: 614-759-8253
INSPECTOR ID#: 204

**CERTIFIED INSTALLER:**
NAME: 63-18-0043 Ross R. Jones
ID#: 63-18-0043

Closure Form must be signed by the UST owner/operator. The owner/operator is responsible for ensuring all data is accurate, and the closure form is legible and complete.

**OWNER/OPERATOR SIGNATURE:** [signature]

**PRINT NAME:** John E Doughty **DATE:** 3/18/05

## BUSTR CLOSURE ACTION LEVELS

| Chemicals of Concern | SOIL Sand/Gravel | SOIL Silty/Clayey Sands | SOIL Clay/Silt | WATER | PCS Re-use |
|---|---|---|---|---|---|
| Benzene | 0.150[c] | 0.240[c] | 0.910[c] | 0.005[a] | 0.015 |
| Toluene | 58.700[c] | 112.000[c] | 520.000[b] | 1.000[a] | 5.860 |
| Ethyl-benzene | 71.100[c] | 131.000[c] | 230.000[b] | 0.700[a] | 7.110 |
| Total Xylenes | 1500.000[b] | 1500.000[b] | 1500.000[b] | 10.000[a] | 72.400 |
| MTBE | 0.530[c] | 0.690[c] | 3.800[c] | 0.040[a] | 0.053 |
| Benzo(a)-anthracene | 5.500[b] | 5.500[b] | 5.500[b] | NA | 5.500 |
| Benzo(a)-pyrene | 0.550[b] | 0.550[b] | 0.550[b] | 0.0002[a] | 0.550 |
| Benzo(b)-fluoranthene | 5.500[b] | 5.500[b] | 5.500[b] | NA | 5.500 |
| Benzo(k)-fluoranthene | 55.000[b] | 55.000[b] | 55.000[b] | NA | 1.970 |
| Chrysene | 550.000[b] | 550.000[b] | 550.000[b] | NA | 1.270 |
| Dibenz(a,h)-anthracene | 0.550[b] | 0.550[b] | 0.550[b] | NA | 0.550 |
| Indeno(1,2,3-c,d) pyrene | 5.500[b] | 5.500[b] | 5.500[b] | NA | 0.150 |
| Naphthalene | 1800.000[b] | 1800.000[b] | 1800.000[b] | 0.570[a] | 127.000 |

## SOIL SATURATION LIMITS

| | | | | |
|---|---|---|---|---|
| GROUP I | Benzene | 444.500 | 491.600 | 592.200 |
| | Toluene | 268.200 | 313.700 | 374.600 |
| | Ethyl-benzene | 149.300 | 178.800 | 213.000 |
| | Total Xylenes | 124.700 | 147.400 | 175.800 |
| | MTBE | 5,483.000 | 6,111.000 | 8,495.000 |
| GROUP II (C10-C34) Total Petroleum Hydrocarbons (TPH)* | | 2000 | 10,000 | 20,000 |
| GROUP III (C10-C34) Total Petroleum Hydrocarbons (TPH)* | | 5000 | 20,000 | 40,000 |

All values are in parts per million (ppm)
*TPH saturation limit from OEPA/VAP
Note: Soil action levels are the most conservative from all BUSTR tier 1 tables in Rule 13
Soil Pathways:
a: Ground Water Ingestion, b: Direct Contact, c: Soil to Drinking Water Leaching

## BUSTR Recommended Laboratory Methods

| Analytical Group | Chemicals of Concern | Lab methods for Soil | Lab methods for Water | Soil saturation determination |
|---|---|---|---|---|
| (1) Light Distillates C4-C10 (i.e. gasoline) | BTEX, MTBE | 8021* or 8260* | 8021* or 8260* | Saturation Equation |
| (2) Middle Distillates C10-C20 (i.e. kero, diesel, stoddard) | BTEX | 8021* or 8260* | 8021* or 8260* | TPH by 8015 (C10-C34) |
| | PNAs | 8270 or 8310 | 8270** or 8310 or 525.2 | |
| (3) Heavy Products C20-C34 (i.e. waste oil) & unknowns | BTEX, MTBE, VOCs | 8260* | 8260* | TPH by 8015 (C10-C34) |
| | PNAs | 8270 or 8310 | 8270** or 8310 or 525.2 | |

The gas chromatographic analysis of TPH may be stopped when all peaks have eluted. Laboratory must quantify the amount of TPH that falls in the diesel range(C10-C20) and the oil range (C20-C34).
For method 8270, PNAs must be run for "base/neutral"(petroleum) components.
* MTBE is not a target compound in these methods and must be requested.
** A full liter of water may be required to obtain required detection limits.

# BUSTR SOIL CLASSIFICATION FORM

| Major Divisions | | | Letter Symbol | Typical Description | BUSTR Class |
|---|---|---|---|---|---|
| Coarse Grained Soils<br>More than 50% of Material is Greater than #200 Sieve | Gravel and Gravelly Soils<br>More than 50% of Coarse Fraction Retained on No. 4 Sieve | Clean Gravels (Little or No Fines) | GW | Well-Graded Gravels, Gravel-Sand Mixtures, Little or No Fines | Sand/ Gravel Soil |
| | | | GP | Poorly-Graded Gravels, Gravel-Sand mixtures, Little or No Fines | |
| | | Gravels With Fines (Appreciable Amount of Fines) | GM | Silty Gravels, Gravel-Sand-Silt Mixtures | |
| | | | GC | Clayey Gravels Gravel-Sand-Clay Mixtures | |
| | Sand and Sandy Soils<br>More than 50% of Coarse Fraction Passing No. 4 Sieve | Clean Sand (Little or no fines) | SW | Well-Graded Sands, Gravelly Sands, Little or No Fines | |
| | | | SP | Poorly-Graded Sands, Gravelly Sands, Little or No fines | |
| | | Sands with Fines (Appreciable amount of fines) | SM | Silty Sands, Sand-Silt Mixtures | |
| | | | SC | Clayey Sands, Sand-Clay Mixtures | Silty/ Clayey Sands Soil |
| Fine Grained Soils<br>More than 50% of Material is Smaller than #200 Sieve | Silts and Clays<br>Liquid Limit <50 | | ML | Inorganic Silts and Very Fine Sands, Rock Flour, Silty or Clayey Fine Sands or Clayey Silts with Slight Plasticity | |
| | | | CL | Inorganic Clays of Low to Medium Plasticity, Gravelly Clays, Sandy Clays, Silty Clays, Lean Clays | |
| | | | OL | Organic Silts and Organic Silty Clays of Low Plasticity | |
| | Silts and Clays<br>Liquid Limit >50 | | MH | Inorganic Silts, Micaceous or Diatomaceous Fine Sand or Silty Soils | |
| | | | CH | Inorganic Clays of High Plasticity, Fat Clays | Clay/ Silt Soils |
| | | | OH | Organic Clays of Medium to High Plasticity, Organic Silts | |
| Highly Organic Soils | | | PT | Peat, humus, Swamp Soils with High Organic Contents | |

| Pathway | Symbol | Pathway | Symbol |
|---|---|---|---|
| Direct Contact w/soil | | GW to Indoor Air | |
| Soil to DW Leaching | | GW Ingestion | |
| Soil to Indoor Air | | Soil to Non-DW Leaching | |

I have inspected the soil at: GH, 2525 W. 4th St., Mansfield Ohio
(address) (city)

Name (Printed): Ross R. Jones, NUCA Competent Person Date: 12/17/02
(Name of Classifier, Title, Firm Name) Maintenance Unlimited, Inc.

Signature: Ross R Jones

Revised 11/06/00

# STATE FIRE MARSHAL/BUSTR
# PETROLEUM CONTAMINATED SOIL (PCS) FORM

*This form should be completed and submitted within 90 days of generating a stockpile, within 180 days of placing the soil in portable containers, or prior to treatment, whichever comes first.*
***A separate PCS form shall be completed for each stockpile generated.***

## OWNER/OPERATOR INFORMATION

| OWNER OPERATOR NAME | CONTACT PERSON | AREA CODE-PHONE |
|---|---|---|
| MFD Group, General Motors Corp. | Karen Keys | 419-755-5307 |
| CITY Mansfield | STATE Ohio | ZIP CODE 44906 |

| FACILITY INFORMATION | FACILITY WHERE SOILS WILL BE DISPOSED OF OR TREATED |
|---|---|
| FACILITY ID#: 70-000080 | |
| FACILITY NAME: Mansfield Fabricating Plant | FACILITY NAME: NOT APPLICABLE |
| ADDRESS: 2525 W. 4th St. | ADDRESS: |
| CITY: Mansfield STATE: OH ZIP CODE: 44906 | CITY: STATE: ZIP CODE: |
| TELEPHONE: 419-755-5307 COUNTY: Richland | STOCKPILE DESIGNATION (e.g., pile #1, pile from waste oil cavity, etc.): common |

DATE STOCKPILE WAS GENERATED_____

| Cubic Yards | | (Check applicable) |
|---|---|---|
| _____ | One Time Landfarming (OTL)..... | _____on-site _____off-site |
| _____ | Multiple Application Landfarming (MAL)..... | _____on-site _____off-site |
| _____ | Confined Treatment Area Process (CAT)..... | _____on-site _____off-site |
| _____ | Alternative Treatment Method (ALT)..... | _____on-site _____off-site |
| _____ | Soil analysis falls below Rule 15 re-use levels (RUL)..... | _____on-site _____off-site |
| 276 | Returned to excavation (below site specific action levels) (RTE BAL) | |
| _____ | Returned to excavation (above site specific action levels) (RTE AAL) | |
| _____ | Disposal at a landfill (LFL) | |
| _____ | Disposal at a treatment facility (COM) | |
| _____ | Stockpile remains on-site (provide written explanation) (SOS)_____ | |

**********CONTINUED ON REVERSE SIDE**********

FOR OFFICE USE ONLY

REPORT #:_____

COORD: COCA/COCL DISP/TREAT:_____ LOC: ON/OFF STAT:____ PRIO:____ CLASS:____ LTF:____ CYDS:_____

IS O/O IN COMPLIANCE? Y N ARE SOILS ABOVE SITE SPECIFIC ACTION LEVELS? Y N

REVIEWED BY:_____ DATE:_____

ENTERED BY:_____ DATE:_____

COM 5216

REVISED 8/22/00

**IF PCS IS TO BE TREATED BY THE OWNER/OPERATOR, COMPLETE THIS PAGE BY PROVIDING THE FOLLOWING INFORMATION:**

1. A MAP OF THE LOCATION WHERE TREATMENT WILL TAKE PLACE. THE MAP SHOULD DEPICT PROPERTY BOUNDARIES, STREET LOCATIONS, ABOVE GROUND STRUCTURES, ETC. (REFER TO OAC §1301:7-9-16 FOR COMPLETE LIST.)

2. A BRIEF DESCRIPTION OF THE TREATMENT METHOD TO BE USED (INCLUDE ADDITIONAL PAGES IF NEEDED)

_____

_____

_____

_____

_____

3. SIGNED WAIVER FORM FROM OFF-SITE OWNER PERSUANT TO OAC §1301:7-9-16 AS PROVIDED BY THE STATE FIRE MARSHAL IF ANY OF THE FOLLOWING APPLY:

- OFF-SITE TREATMENT LESS THAN 100 FEET FROM OFF-SITE DOMICILE
- ON-SITE TREATMENT LESS THAN 50 FEET FROM OFF-SITE DOMICILE
- ONE TIME LANDFARMING LESS THAN 50 FEET FROM OFF-SITE DOMICILE

4. THE FOLLOWING WRITTEN STATEMENT SIGNED BY THE UST OWNER OR OPERATOR AND SWORN TO OR ACKNOWLEDGED BY THE UST OWNER OR OPERATOR BEFORE A NOTARY PUBLIC:

"I STATE UNDER PENALTY OF PERJURY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF (PLEASE CHECK ONE)

_____THE ON-SITE TREATMENT AT THE UST SITE DESCRIBED ABOVE

_____ THE OFF-SITE TREATMENT AT THE LOCATION DESCRIBED ABOVE

HAS AND SHALL BE CONDUCTED IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF CHAPTER 1301:7-9 OF THE ADMINISTRATIVE CODE, INCLUDING BUT NOT LIMITED TO RULES 1301:7-9-16 AND 1301:7-9-17 OF THE ADMINISTRATIVE CODE."

_____ _____ _____

OWNER/OPERATOR'S NAME (TYPED OR PRINTED) SIGNATURE DATE

SUBSCRIBED AND DULY SWORN BEFORE ME ACCORDING TO LAW, BY THE ABOVE NAMED APPLICANT

THIS ____ DAY OF _____ 20____ AT _____,

COUNTY OF _____ AND STATE OF _____

SIGNATURE OF NOTARY PUBLIC _____

OFFICIAL TITLE _____

REVISED 8/22/00

COM 5216

**Ohio Department of Commerce**
Division of State Fire Marshal
Bureau of Testing & Registration
6606 Tussing Road • P.O. Box 529
Reynoldsburg, OH 43068
(614) 752-7126 FAX (614) 995-4206
www.com.state.oh.us

Bob Taft
Governor

Gary C. Suhadolnik
Director

# PERMIT FOR UNDERGROUND STORAGE TANKS

Permit Number: P00092
Issue Date: 10/16/02

| I. OWNER'S/TANKS | II. LOCATION OF TANKS |
|---|---|
| MFD GROUP GENERAL MOTORS CORP<br>PO BOX 2567<br>MANSFIELD, OH 44906<br>CONTACT PERSON: KAREN KEYS<br>PHONE: (419)755-5307 | MANSFIELD FABRICATING PLANT<br>2525 W 4TH ST<br>MANSFIELD OH 44906<br>COUNTY: RICHLAND<br>PHONE: |
| **III. CONTRACTOR INFORMATION** | **IV. LOCAL FIRE DEPARTMENT INFORMATION** |
| MARK BATCHO<br>MAINTENANCE UNLIMITED<br>14800 FOLTZ INDS.PKY<br>STRONGSVILLE, OH 44149<br>PHONE:(440)238-1162 | Springfield Twp Fire Dept<br>325 Shelby-Ontario Rd PO Box 133<br>Ontario, OH 44862-0133 |

**V. CONDITIONS:** OWNER'S COPY OF PERMIT MUST BE AVAILABLE ON SITE. PERMIT EXPIRES SIX (6) MONTHS FROM DATE OF ISSUE. FEE IS NON-REFUNDABLE. IT IS A CONDITION OF THIS PERMIT AN INSPECTOR MUST BE ON THE JOB SITE

VI. PERMIT ISSUED FOR:

REMOVALS/ABANDONMENTS:
[101] TANK(S): N/A [102] PIPING: N/A [103] TOTAL SYSTEMS: 3

INSTALLATIONS:
[201] TANK(S): N/A [202] PIPING: N/A [203] TOTAL SYSTEMS: N/A

REPLACEMENT:
[301] TANK(S): N/A [302] PIPING: N/A [303] TOTAL SYSTEMS: N/A

REPAIRS:
[401] TANK(S): N/A [402] PIPING: N/A [403] TOTAL SYSTEMS: N/A

UPGRADES:
[501] TANK(S): N/A [502] PIPING: N/A [503] TOTAL SYSTEMS: N/A
[504] LEAK DETECTION: N/A

TEMPORARY CLOSURE:
[601] SYSTEMS: N/A
[701] SYSTEMS: N/A

CHANGE IN SERVICE:

Certified Installer's Name: _____
No. _____

Maintenance Unlimited, Inc.
14800 Foltz Industrial Pkwy.
Strongsville, Ohio 44149-4725
440-238-1162 FAX 440-238-7975

CONSTRUCTION

Construction and Earthwork
Pipeline
Concrete and Demolition
Environmental
Underground Utilities

# GM MANSFIELD UST REMOVAL

**APPENDIX:**

1. PERMIT
2. FIELD INSPECTION REPORT
3. SITE MAPS
4. UST CAVITY DIMENSIONS
5. UST BOTTOM SAMPLING LOCATION
6. ANALYTICAL DATA (W/CHAIN OF CUSTODY)

**NOTE:**

1. NO WATER WELLS
2. NO PREVIOUSLY REMOVED UST(S)
3. UTILITIES ON SITE MAPS
   - A. SANITARY
   - B. WATER LINE

**Bureau of Underground Storage Tank Regulations Inspection Fie[illegible]rt**
**For Removals/Abandonments, Replacements and Changes in Ser[illegible]**
www.com.state.oh.us/odoc/sfm/ 800-686-1878

Page 1 of 1

Inspection: Preliminary [ ] Final [X]
Permit Issuance Date: 10-16-2002

Facility # 70 0000820
Permit # P00002

Ownership of Tanks:
Cu Corp
PO Box 2567
MANSFIELD OH 44906

Location of Tanks:
MANSFIELD FABRICATING PLANT
2525 W 4th ST.
MANSFIELD OH 44906

Sensitive Area: Yes [ ] No [ ]

| Tank/System Information: | Tank # 1 / Cavity # 1 | Tank # 2 / Cavity # 1 | Tank # 5 / Cavity # 1 | Tank # / Cavity # |
|---|---|---|---|---|
| Inspection Code | 103 | 103 | 103 | |
| Inspection Description | Removal | Removal | Removal | |
| Date Last Used | 12-16-2002 | 12-16-2002 | 12-16-2002 | |
| Capacity (gallons) | 2000 | 2000 | 2000 | |
| Product Stored | Gas | Gas | Diesel | |
| Tank Construction | STEEL | STEEL | STEEL | |
| Piping Construction | STEEL | STEEL | STEEL | |
| Pressure, Suction or Gravity Piping | S | S | S | |
| LEL/O2 (indicate %) | 0 | 0 | 0 | |
| Tank Cleaned on Site | (Yes) or No | (Yes) or No | (Yes) or No | Yes or No |
| Holes in Tank | Yes or (No) | Yes or (No) | Yes or (No) | Yes or No |
| Holes in Piping | Yes or No | Yes or No | Yes or No | Yes or No |
| Cavity Appearance* | | | | |
| Piping Run Appearance* | | | | |
| Beneath Dispenser Appearance* | | | | |
| Abandon-in-place | Yes or No | Yes or No | Yes or No | Yes or No |
| Abandon-in-place Approval Obtained | Yes or No | Yes or No | Yes or No | Yes or No |

Remarks:

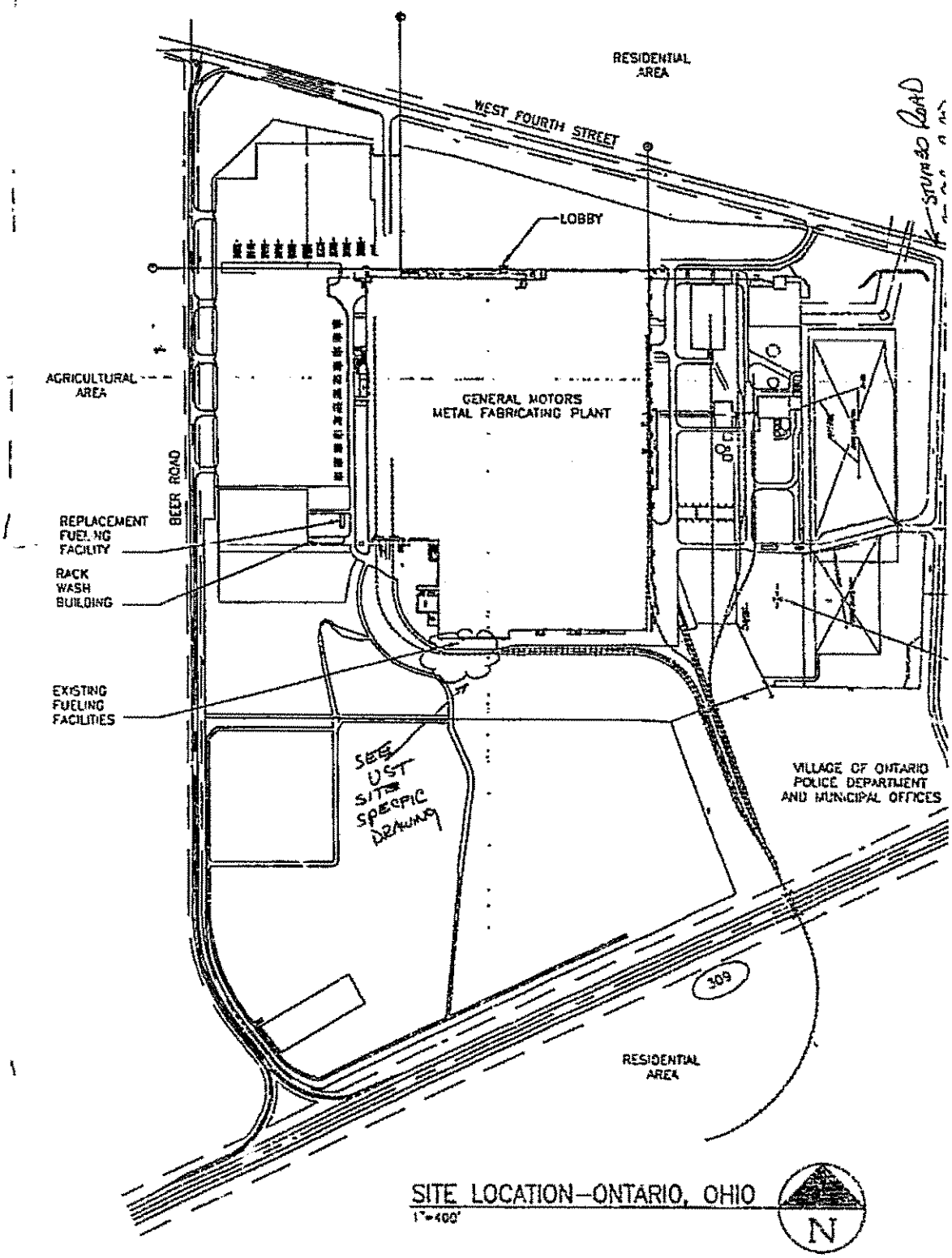
*Indicate O = Odor, W = Water, ST = Staining, FP = Free Product, SH = Sheen

Certified Installer Number: 10-90-1412
Certified Installer Name (printed): ROSS JONES
Certified Installer Signature: ROSS JONES
Date:

Certified Inspector Number: 204
Certified Inspector Name (printed): AMY GAVTYN
Certified Inspector Signature: Amy Gavtyn
Date: 12-17-2002 Hours on Site: 1

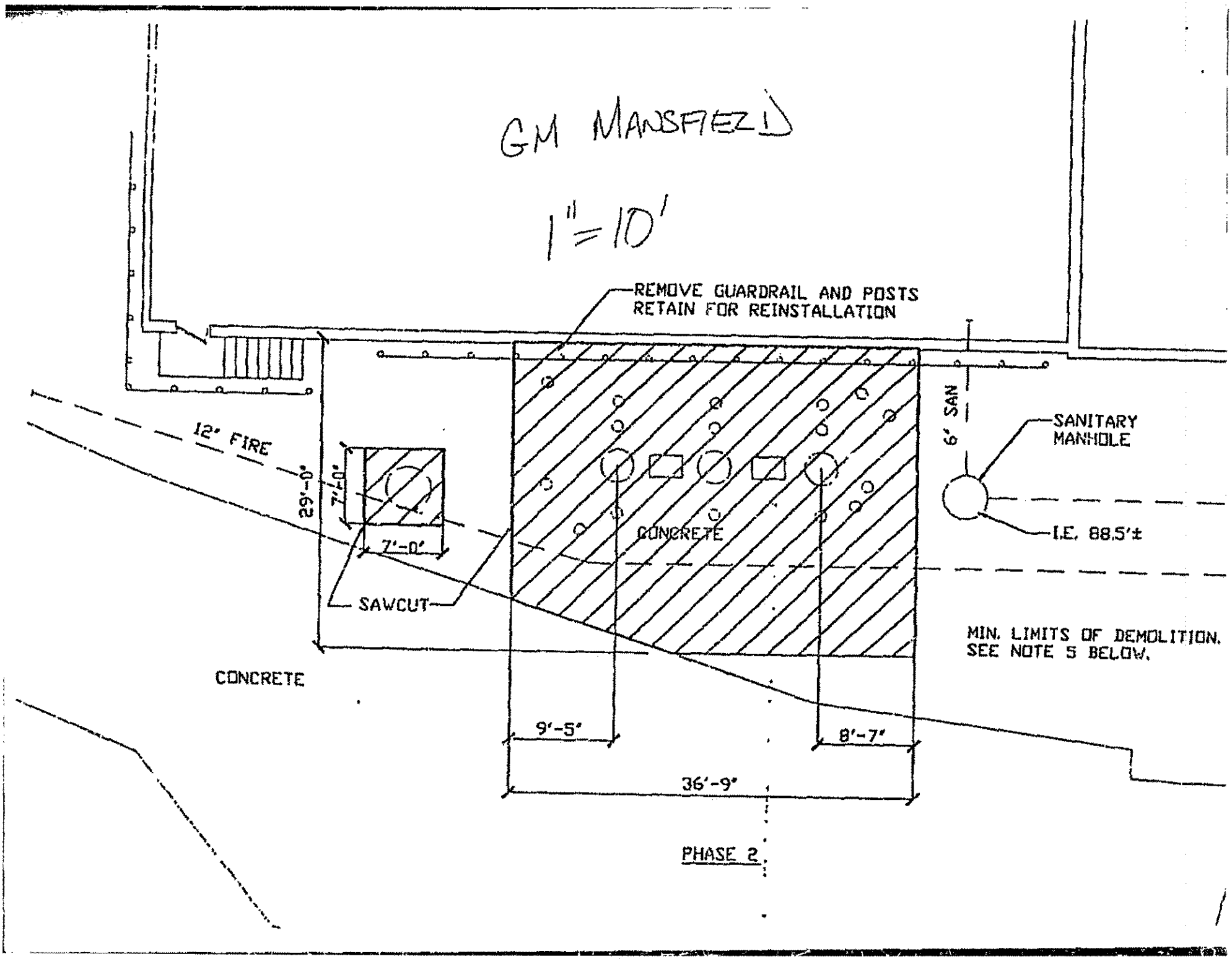
COM 5219 Revised 01/01 Distribution: White – Agency Copy Canary – Owner Copy Pink – Inspector Copy

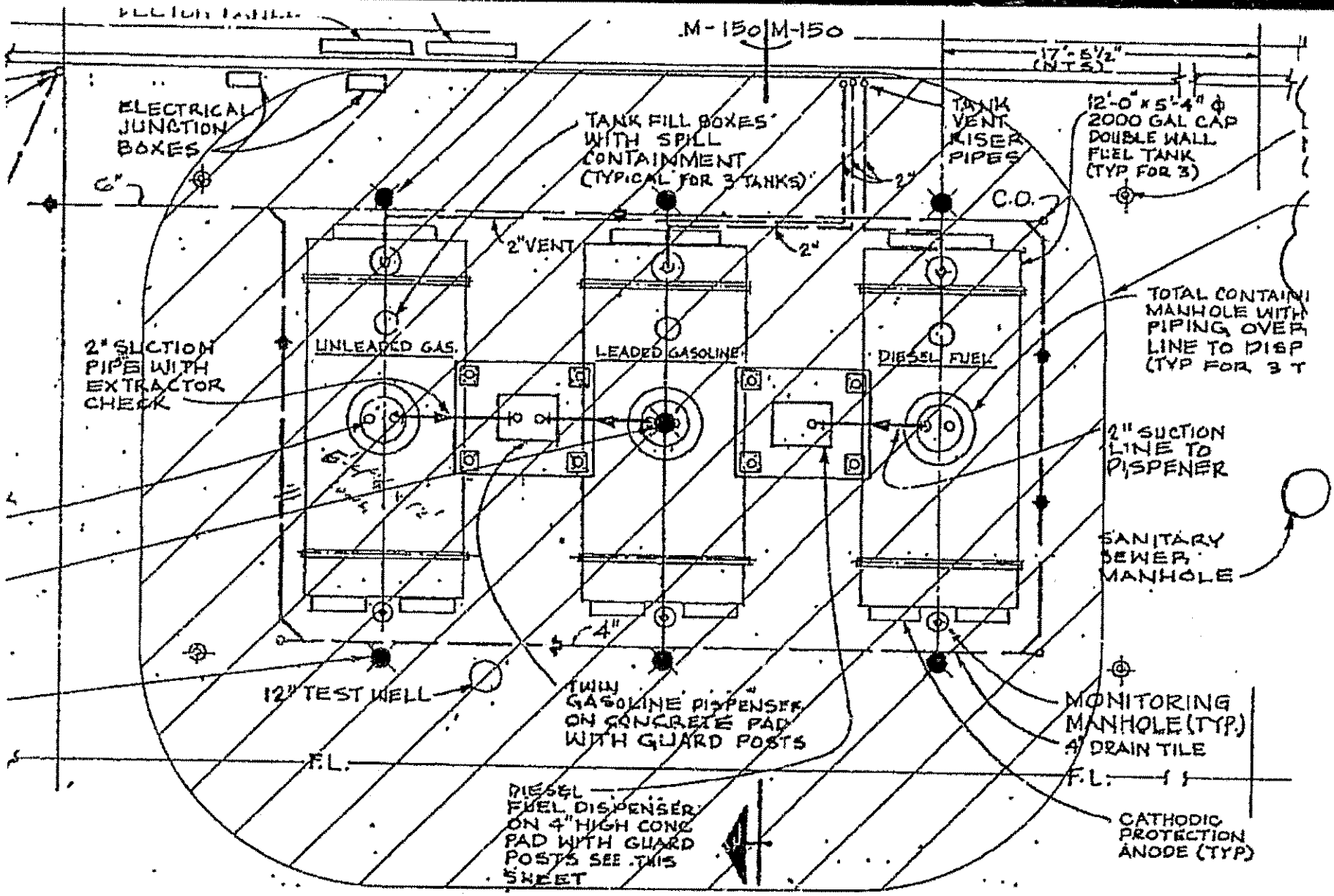
0008 1938




SITE LOCATION—ONTARIO, OHIO

1"=400'


GM MANSFIELD
1" = 10'
REMOVE GUARDRAIL AND POSTS
RETAIN FOR REINSTALLATION
12" FIRE
29'-6"
2'-0"
7'-0"
SAWCUT
CONCRETE
6" SAN
SANITARY
MANHOLE
I.E. 88.5'±
CONCRETE
MIN. LIMITS OF DEMOLITION.
SEE NOTE 5 BELOW.
9'-5"
8'-7"
36'-9"
PHASE 2




# PART PLAN OF FUEL TANK FARM

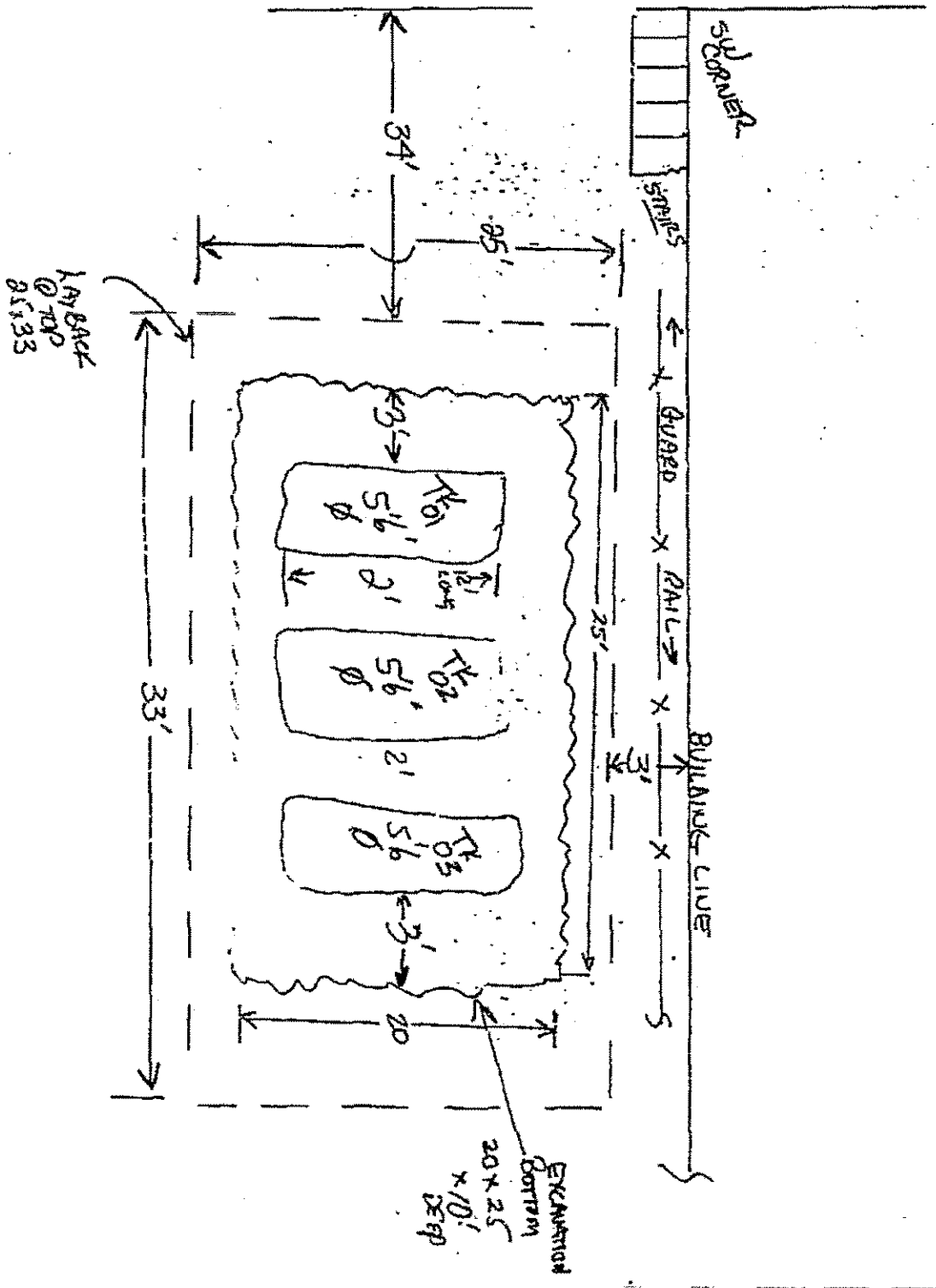
SCALE: 1/4" = 1'-0"

**Maintenance Unlimited, Inc.**
14800 Foltz Industrial Pkwy.
Strongsville, Ohio 44136-4725
440-238-1162 FAX 440-238-7975

CONSTRUCTION

Construction and Earthwork
Pipeline
Concrete and Demolition
Environmental

# GM- MANSFIELD UST CAVITY DIMENSIONS

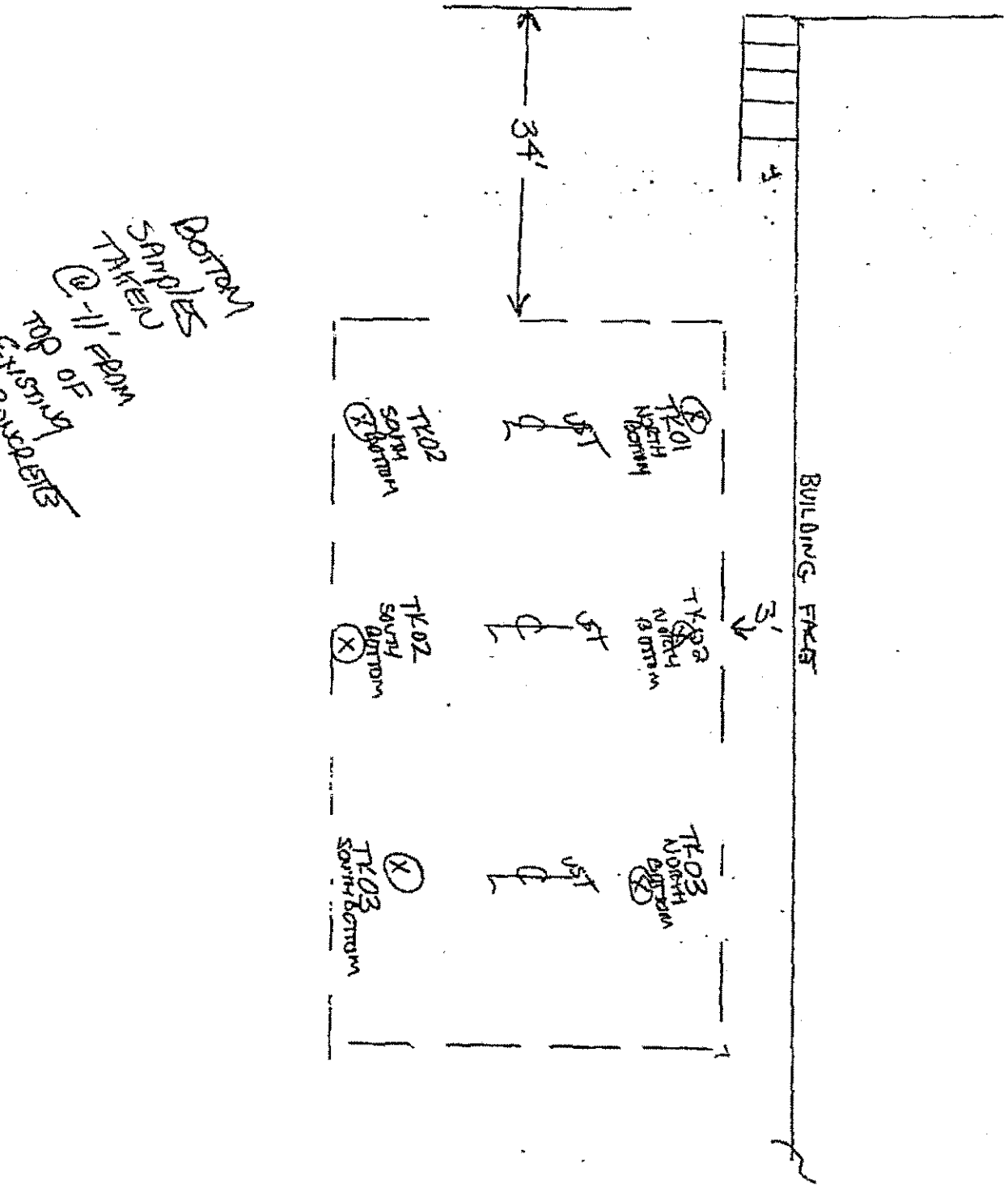


Maintenance Unlimited, Inc.
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MUI
CONSTRUCTION

Construction and Earthwork
Pipeline
Concrete and Demolition
Environmental

# GM MANSFIELD UST BOTTOM SAMPLE LOCATIONS



# Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

| | | | |
|---|---|---|---|
| Client: MAINTENANCE UNLIMITED | Project Manager: Ross Jones | Date: 12-18-02 | Chain of Custody Number: 119187 |
| Address: 14800 FOLZ INDUSTRIAL PKWY | Telephone Number (Area Code) Fax Number: 1-800-589-1164 1-740-238-7176 | Lab Number: | Page ____ of ____ |
| City: STRONGSVILLE | State: OH | Zip Code: 44136 | |
| Project Name and Location (State): GM STAMPING PLANT | Site Contact: ROSS | Lab Contact: WASHAM | |
| Contract/Purchase Order/Quote No.: MANSFIELD OHIO | Carrier/Waybill Number: | | |

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix: Air | Aqueous | Sed. | Soil | Containers & Preservatives: Unpres. | H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Analysis (Attach list if more space is needed): BTEX 8021/8260 | MTBE 8260/8021 | TPH 418.1 | 8015-DRO | TPH GRO | TPH DRO 8270/3510 | Special Instructions/ Conditions of Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2B UST Bottom | 12/18 | 8:00 | | | | X | | | | | | | X | X | X | X | X | X | |
| Spoils @ Pile A | 12/18 | 9:30 | | | | X | | | | | | | X | X | X | X | X | X | |
| Spoils @ Pile B | 12/18 | 9:45 | | | | X | | | | | | | X | X | X | X | X | X | |

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| 1 Relinquished By: ROSS R JONES | 12-18 | 10:45 | 1 Received By: DL Hardet | 12-18-02 | 10:45 |
| 2 Relinquished By: [illegible] | 12-18-02 | 1430 | 2 Received By: JL Washam | 12/18/02 | 1430 |
| 3 Relinquished By: | Date | Time | 3 Received By: | Date | Time |

Comments:

DISTRIBUTION: White - Returned to Client with Report; Canary - STL Retains; Pink - Stays with the Sample; Blue - Field Copy

# ANALYTICAL METHODS SUMMARY

A2L180259

| PARAMETER | ANALYTICAL METHOD |
|---|---|
| Semivolatile Organic Compounds by GC/MS | SW846 8270C |
| Total Residue as Percent Solids | MCAWW 160.3 MOD |
| Volatile Organics by GC/MS | SW846 8260B |
| Volatile Petroleum Hydrocarbons | SW846 8015 MOD |

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

A2L180259

| WO # | SAMPLE# | CLIENT SAMPLE ID | SAMPLED DATE | SAMP TIME |
|---|---|---|---|---|
| FE321 | 001 | UST BOTTOM | 12/18/02 | 08:00 |
| FE329 | 002 | SPOILS #A PILE | 12/18/02 | 09:30 |
| FE33D | 003 | SPOILS #B PILE | 12/18/02 | 09:45 |

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

MAINTENANCE UNLIMITED, INC.

Client Sample ID: UST BOTTOM

GC/MS Volatiles

| | | | |
|---|---|---|---|
| Lot-Sample #...: | A2L180259-001 | Work Order #...: | FE3211AF |
| Date Sampled...: | 12/18/02 08:00 | Date Received..: | 12/18/02 |
| Prep Date.....: | 12/20/02 | Analysis Date..: | 12/20/02 |
| Prep Batch #...: | 2354567 | | |
| Dilution Factor: | 1 | | |
| % Moisture.....: | 8.1 | Method.....: | SW846 8260B |

Matrix.....: SO

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Benzene | ND | 5.4 | ug/kg |
| Ethylbenzene | ND | 5.4 | ug/kg |
| Methyl tert-butyl ether | ND | 22 | ug/kg |
| Toluene | 1.2 J | 5.4 | ug/kg |
| Xylenes (total) | ND | 5.4 | ug/kg |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Dibromofluoromethane | 85 | (59 - 138) |
| 1,2-Dichloroethane-d4 | 90 | (61 - 130) |
| Toluene-d8 | 98 | (60 - 143) |
| 4-Bromofluorobenzene | 91 | (47 - 158) |

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

MAINTENANCE UNLIMITED, INC.

Client Sample ID: UST BOTTOM

GC/MS Semivolatiles

Lot-Sample #...: A2L180259-001 Work Order #...: FE3211AC Matrix.....: SO
Date Sampled...: 12/18/02 08:00 Date Received..: 12/18/02
Prep Date.....: 12/18/02 Analysis Date..: 12/19/02
Prep Batch #...: 2352401
Dilution Factor: 1
% Moisture.....: 8.1 Method.....: SW846 8270C

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Acenaphthene | ND | 360 | ug/kg |
| Acenaphthylene | ND | 360 | ug/kg |
| Anthracene | ND | 360 | ug/kg |
| Benzo(a)anthracene | ND | 360 | ug/kg |
| Benzo(a)pyrene | ND | 360 | ug/kg |
| Benzo(b)fluoranthene | ND | 360 | ug/kg |
| Benzo(ghi)perylene | ND | 360 | ug/kg |
| Benzo(k)fluoranthene | ND | 360 | ug/kg |
| Chrysene | ND | 360 | ug/kg |
| Dibenz(a,h)anthracene | ND | 360 | ug/kg |
| Fluoranthene | ND | 360 | ug/kg |
| Fluorene | ND | 360 | ug/kg |
| Indeno(1,2,3-cd)pyrene | ND | 360 | ug/kg |
| 1-Methylnaphthalene | ND | 360 | ug/kg |
| 2-Methylnaphthalene | ND | 360 | ug/kg |
| Naphthalene | ND | 360 | ug/kg |
| Phenanthrene | ND | 360 | ug/kg |
| Pyrene | ND | 360 | ug/kg |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Nitrobenzene-d5 | 78 | (42 - 110) |
| 2-Fluorobiphenyl | 75 | (43 - 110) |
| Terphenyl-d14 | 104 | (37 - 137) |
| Phenol-d5 | 99 | (25 - 115) |
| 2-Fluorophenol | 101 | (11 - 116) |
| 2,4,6-Tribromophenol | 61 | (35 - 116) |

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

MAINTENANCE UNLIMITED, INC.

Client Sample ID: UST BOTTOM

GC Volatiles

Lot-Sample #...: A2L130259-001 Work Order #...: FZ3211AD Matrix.....: SO
Date Sampled...: 12/18/02 08:00 Date Received..: 12/18/02
Prep Date.....: 12/19/02 Analysis Date..: 12/19/02
Prep Batch #...: 2354111
Dilution Factor: 1
% Moisture.....: 9.1 Method.....: SW846 8015 MOD

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| TPH (as Gasoline) | ND | 110 | ug/kg |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Trifluorotoluene | 67 | (10 - 150) |

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

MAINTENANCE UNLIMITED, INC.

Client Sample ID: SPOILS #A PILE

GC/MS Volatiles

Lot-Sample #...: A2L180259-002 Work Order #...: FE3291AF Matrix.....: SO
Date Sampled...: 12/18/02 09:30 Date Received..: 12/18/02
Prep Date.....: 12/20/02 Analysis Date..: 12/20/02
Prep Batch #...: 2354567
Dilution Factor: 1
% Moisture.....: 8.7 Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Benzene | ND | 5.5 | ug/kg |
| Ethylbenzene | ND | 5.5 | ug/kg |
| Methyl tert-butyl ether | ND | 22 | ug/kg |
| Toluene | 0.54 J | 5.5 | ug/kg |
| Xylenes (total) | ND | 5.5 | ug/kg |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Dibromofluoromethane | 97 | (59 - 138) |
| 1,2-Dichloroethane-d4 | 89 | (61 - 130) |
| Toluene-d8 | 93 | (60 - 143) |
| 4-Bromofluorobenzene | 97 | (47 - 158) |

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

MAINTENANCE UNLIMITED, INC.

Client Sample ID: SPOILS #A PILE

GC/MS Semivolatiles

Lot-Sample #...: A2L180259-002 Work Order #...: FE3291AC Matrix.....: SO
Date Sampled...: 12/18/02 09:30 Date Received..: 12/18/02
Prep Date.....: 12/18/02 Analysis Date..: 12/19/02
Prep Batch #...: 2352401
Dilution Factor: 1
% Moisture.....: 8.7 Method.....: SW846 8270C

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Acenaphthene | ND | 360 | ug/kg |
| Acenaphthylene | ND | 360 | ug/kg |
| Anthracene | ND | 360 | ug/kg |
| Benzo(a)anthracene | ND | 360 | ug/kg |
| Benzo(a)pyrene | ND | 360 | ug/kg |
| Benzo(b)fluoranthene | ND | 360 | ug/kg |
| Benzo(ghi)perylene | ND | 360 | ug/kg |
| Benzo(k)fluoranthene | ND | 360 | ug/kg |
| Chrysene | ND | 360 | ug/kg |
| Dibenz(a,h)anthracene | ND | 360 | ug/kg |
| Fluoranthene | ND | 360 | ug/kg |
| Fluorene | ND | 360 | ug/kg |
| Indeno(1,2,3-cd)pyrene | ND | 360 | ug/kg |
| 1-Methylnaphthalene | ND | 360 | ug/kg |
| 2-Methylnaphthalene | ND | 360 | ug/kg |
| Naphthalene | ND | 360 | ug/kg |
| Phenanthrene | ND | 360 | ug/kg |
| Pyrene | ND | 360 | ug/kg |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Nitrobenzene-d5 | 77 | (42 - 110) |
| 2-Fluorobiphenyl | 75 | (43 - 110) |
| Terphenyl-d14 | 119 | (37 - 137) |
| Phenol-d5 | 101 | (25 - 115) |
| 2-Fluorophenol | 103 | (11 - 116) |
| 2,4,6-Tribromophenol | 73 | (35 - 116) |

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

MAINTENANCE UNLIMITED, INC.

ient Sample ID: SPOILS #A PILE

GC Volatiles

Work Order #...: FE3291AD  Matrix.....: SO
Date Received..: 12/18/02
Analysis Date..: 12/19/02

Method.....: SW846 8015 MOD

| RESULT | REPORTING LIMIT | UNITS |
|---|---|---|
| ND | 110 | ug/kg |

| PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|
| 67 | (10 - 150) |

MAINTENANCE UNLIMITED, INC.

Client Sample ID: SPOILS #B PILE

GC/MS Volatiles

Lot-Sample #...: A2L180259-003 Work Order #...: FE33D1AF Matrix.....: SO
Date Sampled...: 12/18/02 09:45 Date Received..: 12/18/02
Prep Date.....: 12/20/02 Analysis Date..: 12/20/02
Prep Batch #...: 2354567
Dilution Factor: 1
% Moisture.....: 7.5 Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Benzene | ND | 5.4 | ug/kg |
| Ethylbenzene | ND | 5.4 | ug/kg |
| Methyl tert-butyl ether | ND | 22 | ug/kg |
| Toluene | ND | 5.4 | ug/kg |
| Xylenes (total) | ND | 5.4 | ug/kg |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Dibromofluoromethane | 87 | (59 - 138) |
| 1,2-Dichloroethane-d4 | 90 | (61 - 130) |
| Toluene-d8 | 97 | (60 - 143) |
| 4-Bromofluorobenzene | 92 | (47 - 158) |

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

MAINTENANCE UNLIMITED, INC.

Client Sample ID: SPOILS #8 PILE

GC/MS Semivolatiles

Lot-Sample #...: A2L180259-003 Work Order #...: FE33D1AC Matrix.....: SO
Date Sampled...: 12/18/02 09:45 Date Received..: 12/18/02
Prep Date.....: 12/18/02 Analysis Date..: 12/19/02
Prep Batch #...: 2352401
Dilution Factor: 1
% Moisture.....: 7.5 Method.....: SW846 8270C

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Acenaphthene | ND | 360 | ug/kg |
| Acenaphthylene | ND | 360 | ug/kg |
| Anthracene | ND | 360 | ug/kg |
| Benzo(a)anthracene | ND | 360 | ug/kg |
| Benzo(a)pyrene | ND | 360 | ug/kg |
| Benzo(b)fluoranthene | ND | 360 | ug/kg |
| Benzo(ghi)perylene | ND | 360 | ug/kg |
| Benzo(k)fluoranthene | ND | 360 | ug/kg |
| Chrysene | ND | 360 | ug/kg |
| Dibenz(a,h)anthracene | ND | 360 | ug/kg |
| Fluoranthene | ND | 360 | ug/kg |
| Fluorene | ND | 360 | ug/kg |
| Indeno(1,2,3-cd)pyrene | ND | 360 | ug/kg |
| 1-Methylnaphthalene | ND | 360 | ug/kg |
| 2-Methylnaphthalene | ND | 360 | ug/kg |
| Naphthalene | ND | 360 | ug/kg |
| Phenanthrene | ND | 360 | ug/kg |
| Pyrene | ND | 360 | ug/kg |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Nitrobenzene-d5 | 65 | (42 - 110) |
| 2-Fluorobiphenyl | 60 | (43 - 110) |
| Terphenyl-d14 | 86 | (37 - 137) |
| Phenol-d5 | 49 | (25 - 115) |
| 2-Fluorophenol | 66 | (11 - 116) |
| 2,4,6-Tribromophenol | 84 | (35 - 116) |

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

MAINTENANCE UNLIMITED, INC.

Client Sample ID: SPOILS #B PILE

GC Volatiles

Lot-Sample #...: A2L180259-003 Work Order #...: FE33D1AD Matrix.....: SO
Date Sampled...: 12/18/02 09:45 Date Received..: 12/18/02
Prep Date.....: 12/19/02 Analysis Date..: 12/19/02
Prep Batch #...: 2354111
Dilution Factor: 1
% Moisture.....: 7.5 Method.....: SW846 8015 MOD

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| TPH (as Gasoline) | ND | 110 | ug/kg |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Trifluorotoluene | 66 | (10 - 150) |

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

# METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #...: A2L180259 Work Order #...: FFAJ01AA Matrix.....: SOLID
MB Lot-Sample #: A2L200000-567

Prep Date.....: 12/19/02
Analysis Date..: 12/19/02 Prep Batch #...: 2354567
Dilution Factor: 1

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 20 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Dibromofluoromethane | 88 | (59 - 138) |
| 1,2-Dichloroethane-d4 | 92 | (61 - 130) |
| Toluene-d8 | 99 | (60 - 143) |
| 4-Bromofluorobenzene | 98 | (47 - 158) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A2L180259 Work Order #...: PE37M1AA Matrix.....: SOLID
MB Lot-Sample #: A2L180000-401

Prep Date.....: 12/18/02
Analysis Date..: 12/19/02 Prep Batch #...: 2352401
Dilution Factor: 1

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Acenaphthene | ND | 330 | ug/kg | SW846 8270C |
| Acenaphthylene | ND | 330 | ug/kg | SW846 8270C |
| Anthracene | ND | 330 | ug/kg | SW846 8270C |
| Benzo(a)anthracene | ND | 330 | ug/kg | SW846 8270C |
| Benzo(a)pyrene | ND | 330 | ug/kg | SW846 8270C |
| Benzo(b)fluoranthene | ND | 330 | ug/kg | SW846 8270C |
| Benzo(ghi)perylene | ND | 330 | ug/kg | SW846 8270C |
| Benzo(k)fluoranthene | ND | 330 | ug/kg | SW846 8270C |
| Chrysene | ND | 330 | ug/kg | SW846 8270C |
| Dibenz(a,h)anthracene | ND | 330 | ug/kg | SW846 8270C |
| Fluoranthene | ND | 330 | ug/kg | SW846 8270C |
| Fluorene | ND | 330 | ug/kg | SW846 8270C |
| Indeno(1,2,3-cd)pyrene | ND | 330 | ug/kg | SW846 8270C |
| 1-Methylnaphthalene | ND | 330 | ug/kg | SW846 8270C |
| 2-Methylnaphthalene | ND | 330 | ug/kg | SW846 8270C |
| Naphthalene | ND | 330 | ug/kg | SW846 8270C |
| Phenanthrene | ND | 330 | ug/kg | SW846 8270C |
| Pyrene | ND | 330 | ug/kg | SW846 8270C |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Nitrobenzene-d5 | 84 | (42 - 110) |
| 2-Fluorobiphenyl | 78 | (43 - 110) |
| Terphenyl-d14 | 110 | (37 - 137) |
| Phenol-d5 | 104 | (25 - 115) |
| 2-Fluorophenol | 108 | (11 - 116) |
| 2,4,6-Tribromophenol | 66 | (35 - 116) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: A2L190259 Work Order #...: FE7VP1AA Matrix.....: SOLID
MB Lot-Sample #: A2L200000-111

Prep Date.....: 12/19/02
Analysis Date..: 12/19/02 Prep Batch #...: 2354111
Dilution Factor: 1

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| TPH (as Gasoline) | ND | 100 | ug/kg | SW846 8015 MOD |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Trifluorotoluene | 84 | (10 - 150) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A2L190259 Work Order #...: FFAJ01AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: A2L200000-567 FFAJ01AD-LCSD
Prep Date.....: 12/19/02 Analysis Date..: 12/19/02
Prep Batch #...: 2354567
Dilution Factor: 1

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 120 | (55 - 142) | | | SW846 8260B |
| | 124 | (55 - 142) | 2.8 | (0-27) | SW846 8260B |
| Trichloroethene | 90 | (70 - 131) | | | SW846 8260B |
| | 90 | (70 - 131) | 0.0 | (0-23) | SW846 8260B |
| Chlorobenzene | 100 | (75 - 127) | | | SW846 8260B |
| | 100 | (75 - 127) | 0.0 | (0-22) | SW846 8260B |
| Benzene | 99 | (75 - 129) | | | SW846 8260B |
| | 99 | (75 - 129) | 0.34 | (0-20) | SW846 8260B |
| Toluene | 95 | (71 - 130) | | | SW846 8260B |
| | 94 | (71 - 130) | 0.74 | (0-24) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Dibromofluoromethane | 99 | (59 - 138) |
| | 98 | (59 - 138) |
| 1,2-Dichloroethane-d4 | 86 | (61 - 130) |
| | 88 | (61 - 130) |
| Toluene-d8 | 99 | (60 - 143) |
| | 98 | (60 - 143) |
| 4-Bromofluorobenzene | 97 | (47 - 158) |
| | 96 | (47 - 158) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A2L180259 Work Order #...: FE37M1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: A2L180000-401 FE37M1AD-LCSD
Prep Date.....: 12/18/02 Analysis Date..: 12/20/02
Prep Batch #...: 2352401
Dilution Factor: 1

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| Acenaphthene | 75 | (44 - 108) | | | SW846 8270C |
| | 80 | (44 - 108) | 6.7 | (0-44) | SW846 8270C |
| 1,2,4-Trichloro-benzene | 67 | (45 - 110) | | | SW846 8270C |
| | 72 | (45 - 110) | 7.4 | (0-54) | SW846 8270C |
| 2,4-Dinitrotoluene | 78 | (48 - 111) | | | SW846 8270C |
| | 83 | (48 - 111) | 6.6 | (0-45) | SW846 8270C |
| N-Nitrosodi-n-propyl-amine | 86 | (38 - 110) | | | SW846 8270C |
| | 92 | (38 - 110) | 5.7 | (0-50) | SW846 8270C |
| 1,4-Dichlorobenzene | 92 | (38 - 100) | | | SW846 8270C |
| | 99 | (38 - 100) | 6.7 | (0-59) | SW846 8270C |
| Pentachlorophenol | 67 | (10 - 123) | | | SW846 8270C |
| | 69 | (10 - 123) | 3.7 | (0-87) | SW846 8270C |
| Phenol | 98 | (35 - 110) | | | SW846 8270C |
| | 105 | (35 - 110) | 6.8 | (0-50) | SW846 8270C |
| 2-Chlorophenol | 89 | (43 - 110) | | | SW846 8270C |
| | 94 | (43 - 110) | 5.4 | (0-54) | SW846 8270C |
| 4-Chloro-3-methylphenol | 77 | (43 - 110) | | | SW846 8270C |
| | 85 | (43 - 110) | 9.8 | (0-55) | SW846 8270C |
| 4-Nitrophenol | 70 | (22 - 128) | | | SW846 8270C |
| | 68 | (22 - 128) | 3.8 | (0-64) | SW846 8270C |
| Pyrene | 72 | (42 - 122) | | | SW846 8270C |
| | 76 | (42 - 122) | 5.7 | (0-66) | SW846 8270C |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Nitrobenzene-d5 | 71 | (42 - 110) |
| | 76 | (42 - 110) |
| 2-Fluorobiphenyl | 67 | (43 - 110) |
| | 71 | (43 - 110) |
| Terphenyl-d14 | 83 | (37 - 137) |
| | 89 | (37 - 137) |
| Phenol-d5 | 100 | (25 - 115) |
| | 104 | (25 - 115) |
| 2-Fluorophenol | 100 | (11 - 116) |
| | 106 | (11 - 116) |
| 2,4,6-Tribromophenol | 83 | (35 - 116) |

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A2L180259 Work Order #...: FE37M1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: A2L180000-401 FE37M1AD-LCSD

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| | 87 | (35 - 116) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

*Bold print denotes control parameters*

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: A2L180259 Work Order #...: FE7VP1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: A2L200000-111 FE7VP1AD-LCSD
Prep Date.....: 12/19/02 Analysis Date..: 12/19/02
Prep Batch #...: 2354111
Dilution Factor: 1

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| TPH (as Gasoline) | 104 | (60 - 142) | | | SW846 8015 MCD |
| | 105 | (60 - 142) | 0.29 | (0-27) | SW846 8015 MOD |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Trifluorotoluene | 75 | (10 - 150) |
| | 80 | (10 - 150) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC/MS Volatiles

Client Lot #...: A2L180259 Work Order #...: FEPA91AE-MS Matrix.....: SOLID
MS Lot-Sample #: A2L120142-003 FEPA91AF-MSD
Date Sampled...: 12/10/02 08:30 Date Received..: 12/12/02
Prep Date.....: 12/20/02 Analysis Date..: 12/20/02
Prep Batch #...: 2354567
Dilution Factor: 1 % Moisture.....: 22

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 69 | (43 - 147) | | | SW846 8260B |
| | 94 p | (43 - 147) | 31 | (0-27) | SW846 8260B |
| Trichloroethene | 42 a | (46 - 143) | | | SW846 8260B |
| | 54 p | (46 - 143) | 26 | (0-23) | SW846 8260B |
| Chlorobenzene | 44 a | (49 - 139) | | | SW846 8260B |
| | 58 p | (49 - 139) | 27 | (0-22) | SW846 8260B |
| Benzene | 64 | (55 - 138) | | | SW846 8260B |
| | 76 | (55 - 138) | 18 | (0-20) | SW846 8260B |
| Toluene | 59 | (46 - 147) | | | SW846 8260B |
| | 70 | (46 - 147) | 16 | (0-24) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Dibromofluoromethane | 92 | (59 - 138) |
| | 98 | (59 - 138) |
| 1,2-Dichloroethane-d4 | 93 | (61 - 130) |
| | 96 | (61 - 130) |
| Toluene-d8 | 93 | (60 - 143) |
| | 103 | (60 - 143) |
| 4-Bromofluorobenzene | 71 | (47 - 158) |
| | 88 | (47 - 158) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

STL Pensacola
LOG NO: C2-12354
Received: 19 DEC 02
Reported: 23 DEC 02

Ms. Alesia Danford
STL North Canton
4101 Shuffel Drive
North Canton, OH 44720

Client PO. No.: A2L180259

Project: A2L180259
Sampled By: Client
Code: 074721223

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED |
|---|---|---|
| 12354-1 | UST BOTTOM | 12-18-02 |
| 12354-2 | SPOILS #A PILE | 12-18-02 |
| 12354-3 | SPOILS #B PILE | 12-18-02 |

| PARAMETER | 12354-1 | 12354-2 | 12354-3 |
|---|---|---|---|
| Extactractable Petroleum Hydrocarbons (Ohio - Used Oil) (8015M) | | | |
| Hydrocarbons as (C10-C20), mg/kg dw | 3.1 | 3.3 | 8.3 |
| Hydrocarbons as (C20-C34), mg/kg dw | 9.2 | 6.7 | 17 |
| Hydrocarbons as (C10-C34), mg/kg dw | 12 | 9.7 | 24 |
| Surrogate - o-Terphenyl | 72 % | 91 % | 105 % |
| Dilution Factor | 1 | 1 | 1 |
| Prep Date | 12.19.02 | 12.19.02 | 12.19.02 |
| Analysis Date | 12.20.02 | 12.20.02 | 12.20.02 |
| Batch ID | FPS354 | FPS354 | FPS354 |
| Prep Method | 3550B | 3550B | 3550B |
| Analyst | IE | IE | IE |
| Percent Solids | 92 | 91 | 94 |

UST Bottom = TL-02b

PILE OF SPOILS - ANALYSES LABELED



3355 McLemore Drive • Pensacola, FL 32514 • Tel. 850 474 1001 • Fax 850 478 2671 • www.stl-inc.com
STL Pensacola is a part of Severn Trent Laboratories, Inc.

STL Pensacola
LOG NO: C2-12354
Received: 19 DEC 02
Reported: 2. DEC 02

Ms. Alesia Danford
STL North Canton
4101 Shuffel Drive
North Canton, OH 44720

Client PO. No.: A2L180259

Project: A2L180259
Sampled By: Client
Code: 074721223

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID | DATE/ TIME SAMPLED |
|---|---|---|
| 12354-4 | Method Blank | |
| 12354-5 | Lab Control Standard % Recovery | |
| 12354-6 | Matrix Spike % Recovery | |
| 12354-7 | Matrix Spike Duplicate % Recovery | |

| PARAMETER | 12354-4 | 12354-5 | 12354-6 | 12354-7 |
|---|---|---|---|---|
| Extactractable Petroleum Hydrocarbons (Ohio - Used Oil) (8015M) | | | | |
| Hydrocarbons as (C10-C20), mg/kg dw | <2.5 | --- | --- | --- |
| Hydrocarbons as (C20-C34), mg/kg dw | <2.5 | --- | --- | --- |
| Hydrocarbons as (C10-C34), mg/kg dw | <2.5 | 76 % | 70 % | 83 % |
| Surrogate - o-Terphenyl | 96 % | 77 % | 68 % | 80 % |
| Dilution Factor | 1 | --- | --- | --- |
| Prep Date | 12.19.02 | --- | --- | --- |
| Analysis Date | 12.20.02 | --- | --- | --- |
| Batch ID | FPS354 | FPS354 | FPS354 | FPS354 |
| Prep Method | 3550B | --- | --- | --- |
| Analyst | IE | --- | --- | --- |

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.
Data from any samples that do not meet client, federal, or state sample acceptance criteria (collection, preservation, or holding time) will be flagged, or noted on a corrective action form or case narrative, or addressed on the Project Sample Inspection Form (PSIF).
A statement of the estimated uncertainty of the test result is available upon request.

Lance Larson, Project Manager

Final Page Of Report

# STL Pensacola
# *PROJECT SAMPLE INSPECTION FORM*

SEVERN TRENT STL

Lab Order #: C212354 Date Received: 12/19/02

| | | | | | |
|---|---|---|---|---|---|
| 1. | Was there a Chain of Custody? | (Yes) | No* | | |
| 2. | Was Chain of Custody properly filled out and relinquished? | (Yes) | No* | | |
| 3. | Were all samples properly labeled and identified? | (Yes) | No* | | |
| 4. | Were samples received cold? (Criteria: 2° - 6°C: STL-SOP 1055) | (Yes) | No* | N/A | |
| 5. | Did samples require splitting or compositing*? | Yes* | (No) | | |
| 6. | Were samples received in proper containers for analysis requested? | (Yes) | No* | | |
| 7. | Were all sample containers received intact? | (Yes) | No* | | |
| 8. | Were samples checked for preservative? *(Check pH of all $H_2O$ requiring preservative (STL-PI) SOP 917) except VOA vials that require zero headspace)** | Yes | No* | (N/A) | |
| 9. | Is there sufficient volume for analysis requested? | (Yes) | No* | N/A (Can) | |
| 10. | Were samples received within Holding Time? (REFER TO STL-SOP 1010) | (Yes) | No* | | |
| 11. | Is Headspace visible > ¼" in diameter in VOA vials?* | Yes* | No | (N/A) | |
| 12. | Were Trip Blanks Received? | Yes | No | (N/A) | |
| 13. | If sent, were matrix spike bottles returned? | Yes | No* | (N/A) | |
| 14. | If sent, were T-Handles returned? | Yes | No* | (N/A) | |
| 15. | If any issues, how was PM notified? | PSIF ☐ | Verbal ☐ | | |

Airbill Number(s): 251 4647 9870 Shipped By: UPS FedX HD BUS (ABX)

*(HD – Hand Delivery)*

Cooler Numbers & Temp(s) (°C): Cler 7 4°C CCK9

(IE. 340L-4°C-CCK9 – LIST THERMOMETER NUMBER FOR VERIFICATION)

*Out of Control Events and Inspection Comments (list sample IDs/Tests where appropriate):*

1-3. COC/Sample ID/COC discrepancy: _____

4. Insufficient Ice ☐ Delay in delivery ☐ Other ☐ _____

5. Samples were Split ☐ Composited ☐ Requested by: Client ☐ PM ☐ Other: _____

6. Improper Containers (ID/Size/desc): _____

7. Broken bottles/Test: _____

8. Incorrect pH: _____

9. Test/Matrix/Volume: _____

10. Out of Holding Time/Test: _____

11. VOA headspace >1/4" (list size) _____

List additional comments by above number: _____

(USE BACK OF PSIF FOR ADDITIONAL NOTES AND COMMENTS)

Inspected By: AJS Date: 12/19/02 Logged By: AJK Date: 19-Dec-02

* *Note all Out-of Control and/or questionable events on Comment Section of this form. For holding times, the analytical department will flag immediate hold time samples (pH, Dissolved O2, Residual Cl) as out of hold time, therefore, these samples will not be documented on this PSIF.*

* *All volatile samples requested to be split or composited must be done in the Volatile Lab. Do not use "Volatile sample cannot be split or composited due to method criteria."*

* *All pH results for North Carolina, New York, and other requested samples are to be recorded on the pH log provided (STL-SOP 938).*

* *According to EPA, "0" of headspace is acceptable in 40 ml vials containing volatile analysis.*

C212354

Laboratory: STL Pensacola

Severn Trent Laboratories
3355 McLemore Drive
Pensacola, FL 32514

Client Code 24213

Severn Trent Laboratories, Inc
SAMPLE ANALYSIS REQUISITION
Lab Request SR045060

Report Package: Report
Need Analytical Report 2002-12-23

Attn: Lance Lanson RUSH

Project Manager: ALESIA DANFORD — 330-966-9783

| Sample I.D. | Work Order Numbe | Client Sample ID | Sampling Date | Analysis Required |
|---|---|---|---|---|
| A2L180259-1 | FE321 | UST BOTTOM | 2002-12-18 | 8015-Ditto Ext DRO |
| A2L180259-2 | FE329 | SPOILS #A PILE | 2002-12-18 | |
| A2L180259-3 | FE33D | SPOILS #B PILE | 2002-12-18 | |

please use client IDs

Need detection limit and analysis date included in report.
Please send a signed copy of this form with the report at completion of analysis.

Shipping Method: AIRBORNE

Relinquished by: _____ Date/Time: 12-18-02 1530
Relinquished by: _____ Date/Time: _____
Received for lab by: Mint Swafford Date/Time: 12/19/02 1030

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION

25

Bureau of Underground Storage Tank Regulations Inspection Fiel[illegible]ort
For Removals/Abandonments, Replacements and Changes in Servi[illegible]
www.com.state.oh.us/odoc/sfm/ 800-686-2878



Inspection: Preliminary [ ] Final [X]
Permit Issuance Date: 10-16 2002

Facility # 70 000080
Permit # P00002

Ownership of Tanks:
C-H Corp
PO Box 2567
MANSFIELD OH 44901

Location of Tanks:
MANSFIELD FABRICATING PLANT
2525 W 4th ST
MANSFIELD OH 44901

Sensitive Area: Yes [ ] No [ ]

| Tank/System Information: | Tank # 1 / Cavity # 1 | Tank # 2 / Cavity # 1 | Tank # 3 / Cavity # 1 | Tank # / Cavity # |
|---|---|---|---|---|
| Inspection Code | 103 | 103 | 103 | |
| Inspection Description | Removal | Removal | Removal | |
| Date Last Used | 12-16-2002 | 12-16-2002 | 12-16-2002 | |
| Capacity (gallons) | 2000 | 2000 | 2000 | |
| Product Stored | GAS | GAS | DIESEL | |
| Tank Construction | STEEL | STEEL | STEEL | |
| Piping Construction | STEEL | STEEL | STEEL | |
| Pressure, Suction or Gravity Piping | S | S | S | |
| LEL/O2 (indicate %) | 0 | 0 | 0 | |
| Tank Cleaned on Site | (Yes) or No | (Yes) or No | (Yes) or No | Yes or No |
| Holes in Tank | Yes or (No) | Yes or (No) | Yes or (No) | Yes or No |
| Holes in Piping | Yes or No | Yes or No | Yes or No | Yes or No |
| Cavity Appearance* | | | | |
| Piping Run Appearance* | | | | |
| Beneath Dispenser Appearance* | | | | |
| Abandon-in-place | Yes or No | Yes or No | Yes or No | Yes or No |
| Abandon-in-place Approval Obtained | Yes or No | Yes or No | Yes or No | Yes or No |

Remarks:

*Indicate O = Odor, W = Water, ST = Staining, FP = Free Product, SH = Sheen

Certified Installer Number: C-947-1472
Certified Installer Name (printed): ROSS JONES
Certified Installer Signature: ROSS JONES
Date:

Certified Inspector Number: 204
Certified Inspector Name (printed): AMY GRAYTON
Certified Inspector Signature: Amy Grayton
Date: 12-17-2002 Hours on Site: 1

Environmental
Protection Agency

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

January 3, 2011

Re: NPDES Permit Transfer
Ohio EPA Permit No.2IS00045*GD
Application No.OH0006050
Facility Name: Mansfield Stamping

Motors Liquidation Company
500 Renaissance Center Ste 1400
Detroit MI 48243

Ladies and Gentlemen:

Ohio EPA has received a notice of intent to transfer the above permit. Pursuant to Ohio Revised Code 6111.03(J) and Ohio Administrative Code 3745-33-08, the proposed transfer of the Ohio National Pollutant Discharge Elimination System permit is hereby approved. In accordance with the terms and conditions conveyed in the agreement to transfer the permit, the effective date of the transfer shall be November 24, 2010.

Motors Liquidation Company the permittee, shall assume all responsibility, coverage, and liability specified in the permit.

Sincerely,

Chris Korleski
Director
CK/dks

**CERTIFIED MAIL**

cc: Walter Ariss, NWDO
Compliance Section
General Motors LLC
Journal Room
File

50 West Town Street, Suite 700
P.O. Box 1049
Columbus, OH 43216-1049

614 | 644 3020
614 | 644 3184 (fax)
www.epa.ohio.gov

Application No. OH0006050

Issue Date: August 4, 2010

Effective Date: September 1, 2010

Expiration Date: August 31, 2015

Ohio Environmental Protection Agency
Authorization to Discharge Under the
National Pollutant Discharge Elimination System

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

Motors Liquidation Company

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the Motors Liquidation - Mansfield Stamping wastewater treatment works located at 2525 West Fourth Street, Ontario, Ohio, Richland County and discharging to an unnamed tributary of the Clear Fork of the Mohican River in accordance with the conditions specified in Parts I, II, III, IV, V, and VI of this permit.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.

Chris Korleski
Director

Total Pages: 29

MAIL TO: State Fire Marshal, UTN, 8895 E. Main St., Reynoldsburg, Ohio 43068

# Notification for Underground Storage Tanks

1. Name and address of the facility. (PRINT OR TYPE IN ALL SPACES)
C-P-C Group
General Motors Corporation
Mansfield Metal Fabricating Plt.
2525 W. Fourth St.
P.O. Box 2567
Mansfield, Ohio 44906

2. Business mailing address of facility, if different from location address.
Same

3. Owner of tank (name, business address, and phone number)
Same
(419) 755-5011

4. Contact person for the facility (Name and phone number)
E. E. Fish
Chief Power House Engineer
(419) 755-5351

5. Type of owner (Mark "X" in appropriate box)
☒ Private ☐ Government

6. Remarks

Complete the following section(s) to the best of your knowledge using the examples provided as guidance. Check appropriate boxes and fill in blanks where applicable. If you need more space, photocopy this page or use a continuation sheet. If you do not know the answer, enter "unknown."

7. All tanks currently in use or that will be brought into use and all tanks no longer in use.

(7H, 7I & 7J must be completed for tanks no longer in use.)

| A Tank No. | B Age (yrs.) | C Total capacity (gals) | D Material of construction: Steel | Fiberglass reinforced plastic | Other (specify) | E Internal protection: Lined | Unlined | F External protection: Coated | Fiberglass | Cathodic protection | Other (specify) | G Substance type: Gasoline | Diesel | Kerosene | Hazardous substance name | UN # | H Date of last use: Month | Year | I Estimated quantity (gals) | J If unknown, check here |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline | 5 | 10,000 | | X | | | X | X | | | | | | X | | | | | | |
| Diesel | 8 | 8,000 | X | | | | X | | | X | | | | | | | | | | |
| Diesel | 26 | 8,000 | X | | | | X | X | | | | | X | | Trichloroethylene | 1710 | | | | |
| 1 | 0 | 2,000 | X | | | X | | X | | X | | X | | | | | 6 | 75 | 120 | X |
| 2 | 0 | 2,000 | X | | | X | | X | | X | | X | | | | 1203 | | | | |
| 3 | 0 | 2.000 | X | | | X | | X | | X | | | X | | | 1203 | | | | |
| 4 | 0 | 15,000 | X | | | | X | X | | X | | | | | | 1203 | | | | |
| 5 | 10 | 6,000 | X | | | | X | | | | | | X | | Hazardous Waste Liquid NOS | 9188 | | | | |
| 6 | 30 | 7,000 | | | Concrete | X | | | | | | | | | | 1203 | | | | |
| 7 | 30 | 50,000 | | | Concrete | X | | | | | | | | | Used Oil | 1270 | | | | |
| | | | | | | | | | | | | | | | Oily Wastewater #1 | 1270 | | | | |

8. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. This certification is made on behalf of General Motors Corporation.

A. Name, SSN and Official Title of owner or owner's authorized representative (type or print)
Robert H. Enskat Plant Manager

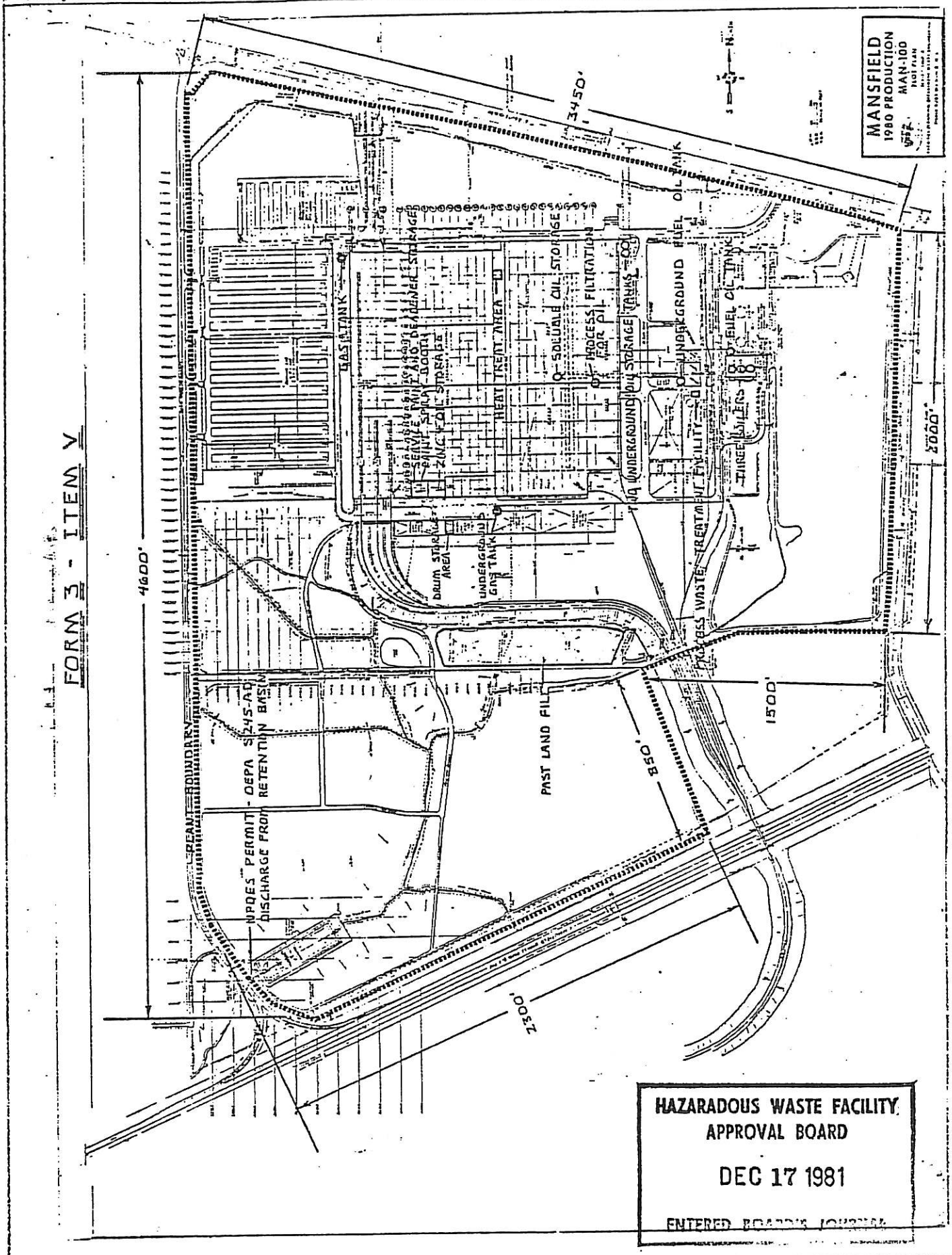
B. Signature

C. Date signed

This information is required by Section 6002 of the Federal Resource Conservation and Recovery Act, as amended. (P.L.98-616)

Form Aproved OMB No. 158-S80004

V. FACILITY DRAWING *(see page 4)*




HAZARADOUS WASTE FACILITY
APPROVAL BOARD

DEC 17 1981

ENTERED BOARD'S JOURNAL

**Plant Facts:**
The plant was built in 1955 as an automotive stamping facility by Fisher Body.
In April 1983, the Tool Room facility, which produces dies used to form the sheet metal parts, was modernized.

Specs:
267 acre site
50 plus acres under roof
Electrical Capacity: 100MW capacity with two independent utility feeds

Building Expansions:
1964: Rail dock shipping addition
1985-89: South building addition provided extra production capacity (10 acres)

New Equipment and Upgrades to Plant:
1985-89: Upgraded and increased capacity of plant power distribution system
1985-89: New high voltage switchyard and switch house equipment with capacitor banks
1985: New employee cafeteria and kitchen
1988: New CATV system with data/audio/video transmission capability
1994: New waste treatment facility
1995 & 2003: Fire and watch system expanded and upgraded
1995 & 1997: Upgraded power distribution system for metal assembly
1998: Water tower lead paint abated and painted
1999-2007: Plant floor lighting and emergency lighting upgrades plus energy efficient lighting for offices
2000: Removal of underground fuel tank system and installation of new above ground fuel storage system
2002: New production air house to service plant
2002: New plant wide heating and ventilating system with energy management system
2002: New cooling tower and controls for weld water system
2004: New truck scale
1999 - 2002: Upgraded and increase number of all shipping truck docks
1995-2007: Reroofing of main building program
2004: New railroad control system for rail docks
2005: New Computer room utilities (new 200W generator, 50KVA UPS, A/C unit, etc.)
2000-2007: O/H crane drives and radio controls upgrades
2005: New main scrap conveyor support structure
2005: New main scrap conveyor controls and drives (mechanical and electrical)
2000: Plant wide fiber network
1997-2005: Press room and metal assembly areas painted
1998 & 2002: Press room power capacity increased with new electrical distribution equipment
2001-2009: Utility pipes labeled per OSHA
2004-2009: Electrical devices labeled with arc flash tags per OSHA
2001-2009: Back flow prevention program
2003 - 2005: Three new escalators
2003: New HVAC units and controls for mezzanine offices, plant floor office complex, traffic / shipping offices
2002 - 2007: Locker rooms and restrooms upgrade
2004: New salary locker / restrooms complex
2004: New union plant floor office complex
2007: Switchyard high voltage controls upgraded and electrical bus replacement
2002: Loose scrap system installed and baler operation terminated
2007: State of the art wafer system with upgraded rail spur for plant scrap (third party)
2009: Land fill free

Location:
Midway between Cleveland and Columbus
Near intersection of interstate 71 and state route 30 (both are 4/6-lane highways)

Transportation:
4-lane highways going north & south and east & west
Rail spurs directly to plant
Lahm airport capable of handling commercial and military aircraft (C-5)

Local colleges and universities
Ohio State University branch campus
North Central State College
Ashland University
Wooster College
Pioneer Technical School

# Appendix E

# Selected Site Photographs

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 1**

**Direction:** West



**Description:** View of the plant from Stumbo Road.

**Photograph No. 2**

**Direction:** South



**Description:** AST outside the powerhouse building.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 3**

**Direction:** East




**Description:** Backup generator and associated AST (black portion of the generator).

**Photograph No. 4**

**Direction:** South



**Description:** Baler house

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 5**

**Direction:** North



**Description:** Coil storage building located on the eastern side of the stamping plant.

**Photograph No. 6**

**Direction:** West




**Description:** 650-gallon AST adjacent to the rack wash building.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 7**

**Direction:** Southwest



**Description:** Area of the Subject Property reportedly used as a landfill.

**Photograph No. 8**

**Direction:** East



**Description:** Area of the former tank farm.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 9**

**Direction:** West



**Description:** Liquid Nitrogen tank located on the northeast corner of the stamping plant.

**Photograph No. 10**

**Direction:** West



**Description:** Baler house and coal hopper. The concrete pad in the foreground is the former coal storage area.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 11**

**Direction:** East




**Description:** Outfall 001 and the stormwater retention pond.

**Photograph No. 12**

**Direction:** East



**Description:** Original switch house.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011
**Photograph No. 13**

**Direction:** East




**Description:** 15,000-gallon spill overflow UST.

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 14**

**Direction:** Southeast



**Description:** Powerhouse and water reservoir. The brown tank attached to the powerhouse is the ash silo.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011
**Photograph No. 15**

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Direction:** East



**Description:** Fire pump house and water tower.

**Photograph No. 16**

**Direction:** N/A



**Description:** Diesel AST located within the fire pump house.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011
**Photograph No. 17**

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Direction:** N/A




**Description:** Fire suppression equipment within the fire pump house.

**Photograph No. 18**

**Direction:** West




**Description:** Rack wash building.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011
**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 19**

**Direction:** N/A



**Description:** Trench drain inside the rack wash building.

**Photograph No. 20**

**Direction:** N/A



**Description:** Air compressor in the rack wash building.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011
**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 21**

**Direction:** N/A



**Description:** Interior of rack wash building.

**Photograph No. 22**

**Direction:** N/A




**Description:** Waste oil drums in the baler house.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011
**Photograph No. 23**

**Direction:** N/A



**Description:** Baling equipment in the baler house.

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 24**

**Direction:** N/A



**Description:** Leaked water with sheen on the baler house floor.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011
**Photograph No. 25**

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Direction:** N/A



**Description:** Staining on the baler house floor.

**Photograph No. 26**

**Direction:** N/A



**Description:** Interior of new switch house.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011
**Photograph No. 27**

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Direction:** N/A



**Description:** Old switch house interior.

**Photograph No. 28**

**Direction:** N/A



**Description:** Basement of old switch house.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011
**Photograph No. 29**

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Direction:** N/A



**Description:** Basement of the powerhouse.

**Photograph No. 30**

**Direction:** N/A



**Description:** Oil drums in the basement of the powerhouse.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011
**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 31**

**Direction:** N/A



**Description:** Coal bunker on the top floor of the powerhouse.

**Photograph No. 32**

**Direction:** N/A



**Description:** Electrical room in powerhouse. All transformers labeled "Non-PCB."

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011
**Photograph No. 33**

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Direction:** N/A



**Description:** Metal lathe in the powerhouse basement.

**Photograph No. 34**

**Direction:** N/A



**Description:** Oil drums with staining in the powerhouse basement.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011
**Photograph No. 35**

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Direction:** N/A



**Description:** Interior of the press prep building.

**Photograph No. 36**

**Direction:** N/A



**Description:** Sump located in the southeast corner of the press prep building.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 37**

**Direction:** N/A



**Description:** Floor drain and associated staining in press prep building.

**Photograph No. 38**

**Direction:** N/A




**Description:** CPI Separator in the WWTP.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 39**

**Direction:** South



**Description:** Exterior holding tanks at the WWTP.

**Photograph No. 40**

**Direction:** N/A



**Description:** Floor drain in the basement of the WWTP. Interior of the drain was stained black.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 41**

**Direction:** N/A




**Description:** Used oil separation tank in the WWTP.

**Photograph No. 42**

**Direction:** N/A



**Description:** Floor drain and staining in the WWTP.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 43**

**Direction:** N/A




**Description:** Acetylene storage area in the oil crib of the main plant.

**Photograph No. 44**

**Direction:** N/A




**Description:** Oxygen storage room in the oil crib of the main plant.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 45**

**Direction:** N/A



**Description:** ASTs in the oil crib of the main plant, containing used oil (green) and gear oil (white)

**Photograph No. 46**

**Direction:** N/A




**Description:** Hydraulic oil ASTs in the oil crib of the main plant.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 47**

**Direction:** N/A



**Description:** PCB spill kits and storage in the oil crib of the main platnt.

**Photograph No. 48**

**Direction:** N/A



**Description:** Trench drain in the oil crib of the main plant. Drain leads to overflow UST.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 49**

**Direction:** N/A




**Description:** Empty caustic soda drum in the oil crib of the main plant.

**Photograph No. 50**

**Direction:** N/A




**Description:** Empty Tribol drum adjacent to the oil crib in the main plant.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 51**

**Direction:** N/A



**Description:** Empty tanks stored adjacent to the oil crib in the main plant.

**Photograph No. 52**

**Direction:** N/A




**Description:** Empty used oil tanks adjacent to the oil crib in the main plant.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 53**

**Direction:** N/A



**Description:** Floor drain beneath blank and shear area with oily residue.

**Photograph No. 54**

**Direction:** N/A




**Description:** Paint booth in the main plant.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 55**

**Direction:** N/A



**Description:** Hydraulic units in the basement; used for machinery on the first floor.

**Photograph No. 56**

**Direction:** N/A



**Description:** Indoor railyard in main plant.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 57**

**Direction:** N/A



**Description:** Interior of full parts washer in main plant.

**Photograph No. 58**

**Direction:** N/A




**Description:** Parts washers in main plant.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 59**

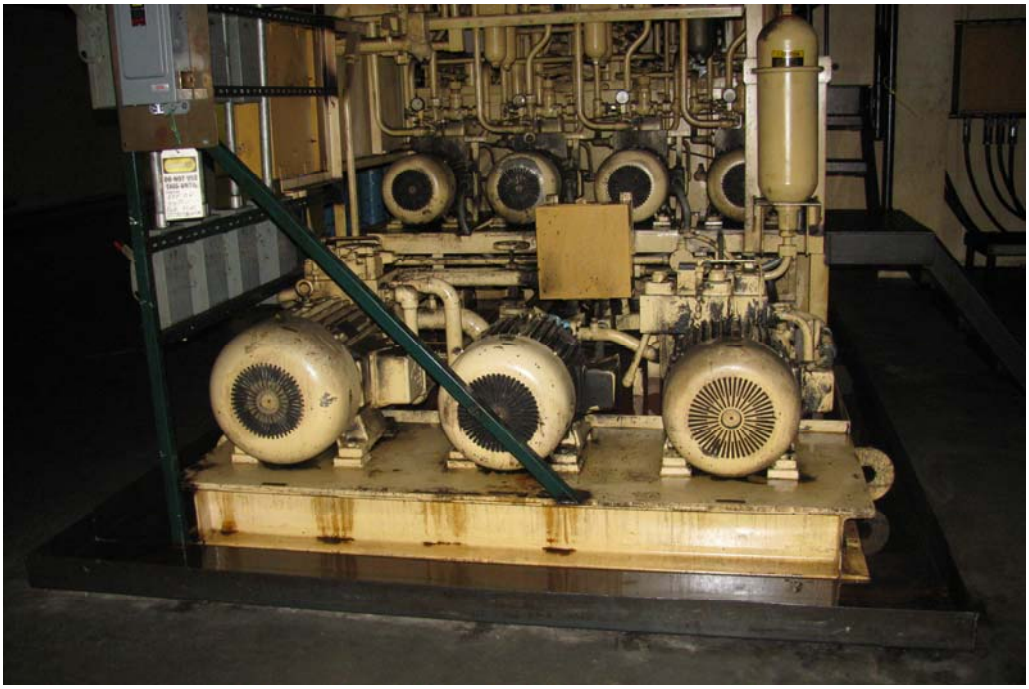
**Direction:** N/A



**Description:** Looping pit with staining in the main plant.

**Photograph No. 60**

**Direction:** N/A



**Description:** Machinery and drip pan located in the basement of the main plant.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 61**

**Direction:** N/A



**Description:** Within a die verification cell at the main plant. An oily leak covers the floor.

**Photograph No. 62**

**Direction:** N/A




**Description:** Piping in the basement labeled asbestos containing.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 63**

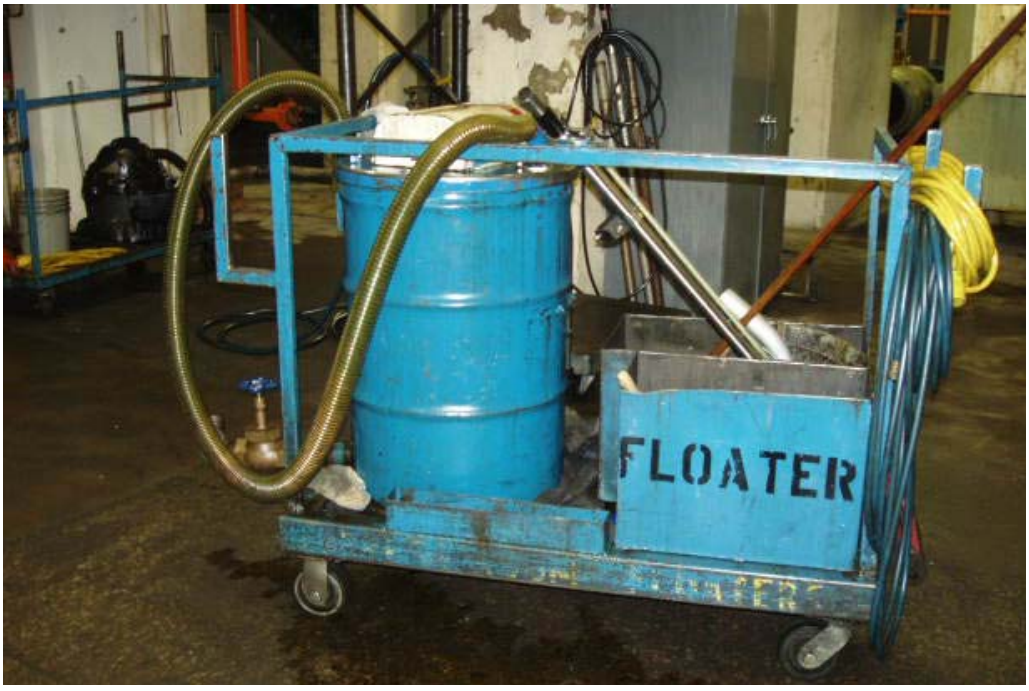
**Direction:** N/A



**Description:** Press pit, with press removed, in the main plant.

**Photograph No. 64**

**Direction:** N/A




**Description:** Portable vacuum truck used to remove oil from drip trays.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 65**

**Direction:** N/A



**Description:** Press located in the tool room of the main plant.

**Photograph No. 66**

**Direction:** N/A



**Description:** Scrap conveyor

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 67**

**Direction:** N/A



**Description:** Trash compactor in main plant.

**Photograph No. 68**

**Direction:**



**Description:** Staining in front of the dumpster in the trash compactor room of the main plant.

**Client:** Ohio EPA
**Project:** Mansfield Stamping Plant
**Photograph Date:** January 11 and 12, 2011

**Prepared by:** Tetra Tech EM Inc.
**Photographer**: Vicky Farmer & Kemp Jaycox
**Project Number:** 103S117140

**Photograph No. 69**

**Direction:** N/A



**Description:** Tool room in the main plant.

**Photograph No. 70**

**Direction:** N/A




**Description:** Used oil AST located in the basement of the main plant. The AST was used to collect oil from the main floor.