

MEMO

To:

Peter Ramanauskas

U.S. Environmental Protection Agency Region 5

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File

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From:

Brad Saunders and Colleen Barton

Date:

January 19, 2021

Arcadis Project No.:

30075936

Subject:

RACER Pontiac North Campus

Joslyn Avenue Parcels Historical Summary Memorandum and Request for Determination for Parcels Not Being Regulated Under RCRA, including Corrective Action, and Not Being Covered Under Administrative Order on Consent RCRA-05-2011-00019

The following memorandum provides historical summaries of two parcels owned by RACER Trust which are located in an area east of the RACER Trust and General Motors LLC Pontiac North Campus (PNC) along Joslyn Avenue in Pontiac, Michigan. The purpose of this memorandum is to request that the United States Environmental Protection Agency (USEPA) provide a determination that the Joslyn Avenue parcels are not subject to regulation under the Resource Conservation and Recovery Act (RCRA), including RCRA Corrective Action (i.e., the parcels were and are not part of the Pontiac North Campus RCRA Facility), and are not subject to Administrative Order on Consent (AOC) RCRA-05-2011-0019, executed by USEPA on September 29, 2011. RACER Trust would still complete Environmental Action at these parcels in accordance with the terms of the Settlement Agreement.

The parcels were both formerly owned by the former General Motors Corporation (GMC), which changed its name to Motors Liquidation Company (MLC), and then the parcels were transferred to RACER Trust in 2011 through the settlement of GMC's bankruptcy in 2011. However, documentation and records indicate that neither of the parcels were associated with former GMC manufacturing operations as verified through the review of RCRA application documentation included in Appendices C-E in Volume I of the January 31, 2001 GMC Current Conditions Report (CCR). Furthermore, at the time of GMC bankruptcy and transition of ownership to RACER Trust, there were no identified open areas of interest warranting additional investigation.

The locations of the Joslyn/Lenox parcel (south) and Joslyn/Lebaron parcel (north) are depicted in **Figure 1**. Reference materials obtained and reviewed in this summary include historical aerial photographs, historical topographic maps, City Directory reports, and Environmental Data Resources (EDR) database report, and also documentation obtained from a Freedom of Information Act (FOIA) request submitted to the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

Attachment 1 provides historical aerial photographs and topographic maps which outline the location of the Joslyn/Lenox parcel (south) and Joslyn/Lebaron parcel (north). **Attachment 2** includes City Directory listings which span addresses potentially relevant to the parcels, and **Attachment 3** provides a copy of the EDR database report. **Attachment 4** provides copies of reports obtained through the FOIA request or otherwise made available.

Summary Review of Historical References and Documentation

Joslyn/Lenox Parcel (South)

The vacant lot located at the northeast corner of Joslyn and Lenox Avenues (parcel 14-21-205-001) and was identified in the 2001 ENCORE Current Conditions Report (CCR), as area of interest (AOI) P-8, which contained a former underground storage tank (UST). The vacant lot was considered an AOI because a release from a previously unknown UST was discovered in 1996. Because the vacant lot was closed per Act 451 Section 21315, as discussed below, no further action was recommended in the CCR and it was not included in the RCRA Corrective Action. There are no records indicating that former GMC manufacturing operational activities occurred on this parcel. The tank number, capacity, and date of installation are unknown. The following details outline the environmental history of this parcel as listed in the EDR database report and obtained through review of previous reports:

- November 1996 – A release was discovered from a previously unknown UST. The release was reported to Michigan Department of Environmental Quality (MDEQ) (currently EGLE).
- January 1997 – Parsons submitted an *Initial Assessment Report* to MDEQ on January 30, 1997. The report summarized the results of a subsurface investigation conducted in October 1996. A total of 13 soil borings were advanced and soil samples were analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), polynuclear aromatics (PNAs), and inorganic metals including cadmium, chromium VI and lead, and 2-methylnaphthalene. No groundwater was collected at the site and no free product was observed at the parcel. None of the soil samples had concentrations above the Tier I Residential Direct Contact risk-based screening levels (RBSLs). However, three soil boring locations had PID screening results which were described as 'high' in the report, although no soils were submitted from them for laboratory analysis. The report determined that further sampling was needed to obtain full site characterization.
- October 1997 – Parsons submitted an incomplete *Final Assessment Report* (FAR) to MDEQ on October 29, 1997. It summarized additional subsurface investigation completed in October 1997. Six soil borings were advanced and soil samples were analyzed for BTEX, PNAs, lead, and 1-, 2-methylnaphthalene. One water was collected from soil boring SB014 and analyzed for BTEX, PNAs, and 1-, 2-methylnaphthalene. Soil analytical results were compared to Tier I Residential Leaching to Groundwater and Direct Contact criteria. Groundwater results were compared to Tier I Residential Direct Contact criteria. It was determined that Tier 1 RBSLs were exceeded in soil. Parsons indicated that a Feasibility Analysis or Corrective Action Alternative was not yet selected

and that they would submit it as an addendum within 120 days of the Final Assessment Report submittal.

- In February 1998, former GMC submitted an extension request for a Final Assessment report as Parsons was not able to complete the FAR due to a local office closure. Conestoga-Rovers & Associates, Inc. (CRA) took over environmental investigation and planned to submit a completed FAR by April 1998. They included data for three monitoring wells (MW1-98 through MW3-98) which were installed and sampled in earlier in February 1998 for BTEX, polyaromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and select inorganic metals including cadmium, chromium, and lead. These results indicated that groundwater in one well, MW-3-98, contained exceedances of the Health-Based Drinking Water Value. Groundwater results were also compared to Groundwater Contact criteria which was not exceeded.
- In May 1998, former GMC requested an extension for FAR submittal to gain off-Site access for further investigation activities.
- In August 1998, CRA requested another extension for FAR submittal as they planned to conduct additional on-Site activities to eliminate the potable groundwater pathway. They planned to submit the FAR in October 1998.
- 1998 – CRA conducted several more groundwater investigations including installing and sampling seven temporary wells (BH1-98 through BH7-98) in March 1998 and installing and sampling six monitoring wells (MW4-98 through MW9-98) in August 1998. No free product was observed during the groundwater investigations. Groundwater samples were analyzed for BTEX, methyl tert-butyl ether (MTBE), polyaromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and select inorganic metals including cadmium, chromium, and lead. Bail-down and hydraulic pumping tests were also conducted to evaluate hydrogeologic conditions at the site. Details on these activities was included in the Closure Report discussed below.
- October 1998 – CRA submitted the *Leaking Underground Storage Tank Closure Report* to the MDEQ. It was noted that the Parson's FAR incorrectly identified soil contamination and that no soil concentrations exceeded Tier I Residential Direct Contact values. Furthermore, Residential Leaching to Groundwater RBSLs were not utilized for comparison because the potable groundwater pathway had been eliminated. This was supported by the pumping tests which yielded considerably less than 0.1 gallon per minute. In addition, no potable wells existed within 500 feet of the Site, no surface water bodies were located in the vicinity of the Site, and the saturated zone at the site was not in lateral or vertical communication with the lower adjacent aquifer. Soil analytical data was compared to Tier I Residential Direct Contact criteria and groundwater analytical data was compared to Tier I Residential Groundwater Contact criteria. Other exposure pathways were determined to be incomplete. No corrective action activities were completed nor required, and no institutional controls were noted.
- November 1998 – MDEQ sent an acknowledgement letter that they received CRA's Closure Report.
- April 1999 – The vacant lot was closed per Act 451 Section 21315 because MDEQ didn't audit the closure report within 6 months of receipt of the report. No formal letter of closure approval was received from MDEQ.

Through review of historic aerial photos and the City Directory reports, a chronological summary of the history at the Joslyn/Lenox vacant lot is outlined below:

1925-1945: No city directory listings. From 1937 through 1940, the parcel is a vacant landscaped lawn with sidewalks along Lenox Ave., Joslyn Ave., and Westbrook St.

In 1949, the southern half of the parcel appears vacant, with evidence of disturbed surfaces, potentially associated with a building which had been recently constructed on northern half of the parcel, with paved surfaces or gravel on east and south sides and access from Joslyn Ave. and Westbrook St. This may indicate the initial construction of the service station on the southern portion of the parcel.

In the 1950 the City Directory includes the following listings: 836 Joslyn Ave. listing "Burder Bros Service gas station" (south portion) and 850 Joslyn Ave. listing "Ray W Butler Variety Store."

From 1952 through 1967, aerial photos show a building in the east-center of southern half of the parcel, with paved surface on west side and access from Lenox Ave. and Joslyn Ave. Two buildings are depicted in northwest portion of northern half of the parcel (one expanded between 1952 and 1956), with paved surface on the east and south sides and access from Joslyn Ave.

The following notes the changes in the City Directory from 1955 through 1963:

- 1955 - 836 Joslyn listing "Burder Bros Service gas station" (south portion), 846 Joslyn listing "GM Lunch restr" (north portion), 850 Joslyn listing "Pontiac Mtr Fedl Credit Union".
- 1960 - 836 Joslyn listing "Joslyn-Lenox Gulf Service Station gas station" (south portion), 846 Joslyn listing "GM Lunch" (north portion), 850 Joslyn listing "Chief Pontiac Fed Credit Union".
- 1963 - 836 Joslyn listing "Earl Fowlers Service" (south portion), 846 Joslyn listing "Carmens Lunch" (north portion).
- 1992 - 836 Joslyn listing "Jeffrey Noonan", 854 Joslyn listing "Allen Osborn". In 1995, the same occupant was noted for 836 Joslyn while "Occupant Unknown" was listed for 854 Joslyn.
- From 1968 through 1987 and from 2000 through 2017, no listings were included in the City Directory for addresses associated with the parcel.

From 1972 through 2016, aerial photos show the parcel as a vacant / landscaped lawn, currently with sidewalks on three street sides and entrance drives from Lenox Ave. and Westbrook St and an alley adjacent to the east boundary. The parcel is currently zoned as commercial.

Figure 2 depicts locations of the former structures which existed on the lot, as well as the locations of the borings and monitoring wells installed in association with prior subsurface investigations. Soil and groundwater data was compared to current (2020) EGLE Part 201 Generic Cleanup Criteria and Screening Levels as well as the EGLE Media-Specific Volatilization to Indoor Air - Recommended Interim Action Screening Levels. Exceedances of any of these criteria are shown on **Figure 2**. Criteria of constituents included on Figure 2 is included in **Table 1**.

Joslyn/Lebaron Parcel (North)

A second vacant lot, currently zoned as a commercial property, located at the northeast corner of Joslyn and Lebaron Ave. (parcel 14-21-203-001) is owned by RACER but is not part of the RCRA Corrective Action nor was it identified as an AOI. There are no records indicating that former GMC operational activities occurred on this parcel. Per historic aerial photos and the City Directory reports, a chronological summary of the history at the Joslyn/Lebaron vacant lot is outlined below:

1925-1945: No city directory listings. From 1937 through 1949, the parcel is a vacant landscaped lawn with sidewalks along Lebaron Ave., Joslyn Ave., and Westbrook St.

From 1952 through 1956, aerial photos show one small building on the west side of the lot along Joslyn. The 1967 aerial photo shows two small buildings along the west side of the lot with the remainder of the parcel used for a parking lot with access from both Westbrook and Lebaron Ave. From 1972 through 2016, aerial photos show a vacant landscaped lawn with sidewalks along Westbrook, Joslyn, and Lebaron Ave and entrance drives from Westbrook and Lebaron Ave.

The following notes the changes in the City Directory from 1950 through 1995:

- 1950 - 892 Joslyn listing "John W Talbot barber" and "Good's Beauty Shop", 896 Joslyn listing "Jack F Prasil Clo cln"
- 1955 - 892 Joslyn listing "John W Talbot barber" and Martha's Beauty Shop, 896 Joslyn Ave as 'vacant'.
- 1960 - 892 Joslyn listing "Talbot's Barber Shop" and "Martha's Beauty Shop", 896 Joslyn listing "Jax Dry Clnrs".
- 1963 - 892 Joslyn listing "Loraine Beauty Shop" and "Soucy's Barber Shop", "896 Joslyn listing "Jax Dry Clnrs".
- 1992 and 1995 – 880 Joslyn listing "Ronald L Erickson", 890 Joslyn listing "David Dirven".
- From 1968 through 1987 and from 2000 through 2017, no listings were included in the City Directory for addresses associated with the parcel.

Figure 3 depicts locations of the former structures which existed on the lot.

Conclusions:

- Based on the available information there is no indication that former GMC manufacturing operations were conducted at either Joslyn / Lennox parcel or the Joslyn / Lebaron parcel, and therefore the parcels should not be regulated by RCRA.
- Based on the historic subsurface investigation results conducted at the Joslyn / Lennox parcel, one or more soil samples exceeds the following current EGLE criteria and screening levels for one or more constituents:
 - o Residential and Non-Residential Drinking Water Protection criteria
 - o Ground Surface Interface Protection criteria
 - o Residential Soil Volatilization to Indoor Air criteria
 - o Residential and Non-Residential Volatilization to Indoor Air Recommended Interim Action Screening Levels

Also, one or more groundwater samples exceeds the following current EGLE criteria and screening levels for one or more constituents:

- o Residential and Non-Residential Drinking Water criteria
- o Ground Surface Interface criteria
- o Residential Soil Volatilization to Indoor Air criteria

- o Residential/Non-Residential Health Based Drinking Water Value
- o Residential and Non-Residential Volatilization to Indoor Air Recommended Interim Action Screening Levels
- Several historic sampling locations located near the parcel boundary indicate exceedances of residential criteria which present a potential environmental concern to adjacent properties warranting further investigation and evaluation. City Directory listings in 1950, 1960 and 1963 which indicate occupancy of a clothes / dry cleaning company at 896 Joslyn Ave. on the Joslyn / Lebaron parcel in combination with aerial photographs indicating the presence of structures on the parcel during this timeframe present a potential environmental concern warranting further investigation and evaluation.
- RACER intends to at a minimum record the following deed restrictions on both parcels: limit the use of the property to commercial or industrial uses (non-residential), prohibit extraction or use of groundwater from the property, contaminated soil management, and soil vapor management.
- Based on the nature of historical activities at the parcels which did not include any former GMC manufacturing operations, and based on review of RCRA application documentation included in Appendices C-E in Volume I of the January 31, 2001 GMC CCR, it is our belief that both Joslyn Avenue parcels are not to be regulated under RCRA, including RCRA Corrective Action, or covered under AOC RCRA-05-2011-0019.
- A scope of work for conducting a subsurface investigation on both parcels will be prepared and submitted to USEPA in the near future.

References

CRA. 1998. Request for Schedule Extension – Final Assessment Report. August 28.

CRA. 1998. Leaking Underground Storage Tank Closure Report. October 30, 1998.

ENCORE. 2001. Current Conditions Report, Pontiac North Campus, Volume I of IV. General Motors Corporation. Pontiac, Michigan. January 31.

GMC. 1998. Request for Schedule Extension – Final Assessment Report. February 25.

GMC. 1998. Request for Schedule Extension – Final Assessment Report. May 22.

MDEQ. Closure Report Receipt Letter – Northeast corner of Joslyn & Lenox, Pontiac, Oakland County, Michigan. November 12.

Parsons. 1997a. Initial Assessment Report, Vacant Lot, GM Powertrain, Pontiac, Michigan. January 30, 1997.

Parsons. 1997c. Final Assessment Report, Vacant Lot, GM Powertrain, Pontiac, Michigan. October 29, 1997.

Figures

Figure 1 Parcel Site Map

Figure 2 Historical Soil and Groundwater Analytical Results, Vacant Lot- Joslyn/Lenox Avenue

Figure 3 Vacant Lot – Joslyn/Lebaron Ave.

Table

Table 1 Soil and Groundwater Criteria – Vacant Lot - Joslyn/Lenox Ave.

Attachments

Attachment 1 Aerial Photographs and Topographic Maps

Attachment 2 City Directory

Attachment 3 EDR Report

Attachment 4 Previous Investigation Reports

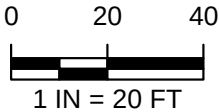
FIGURES

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LEGEND

 PNC PROPERTY (GMC)



RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

PARCEL SITE MAP



FIGURE
1



Location	SB-006	
Depth interval (ft bgs)	12-14'	14-16'
Date	10/1996	10/1996
Chromium VI	13,100	14,200

(PRESENT 1956 - 1967)

Location	SB-007	
Depth interval (ft bgs)	12-14'	14-16'
Date	10/1996	10/1996
Chromium VI	9,470	19,000

Location	SB-008	
Depth interval (ft bgs)	12-14'	14-16'
Date	10/1996	10/1996
Chromium VI	7,410	13,200

Location	SB-014	
Depth interval (ft bgs)	10-12'	16-18'
Date	10/1/97	10/1/97
Benzene	43	ND
Ethylbenzene	270	10
Xylenes	560	29

(PRESENT 1952 - 1967)

Location	SB-016	
Depth interval (ft bgs)	10-12'	14-16'
Date	10/1/97	10/1/97
Benzene	7	ND
Ethylbenzene	120	ND

Location	SB-013	
Depth interval (ft bgs)	12-14'	14-16'
Date	10/1996	10/1996
Chromium VI	12,000/6,120	12,300

Location	SB-017	
Depth interval (ft bgs)	8-10'	16-18'
Date	10/1/97	10/1/97
Benzene	200	ND
Ethylbenzene	3,100	ND
Xylenes	11,092	ND
Naphthalene	1,700	ND
2-Methylnaphthalene	13,000	9,100

Location	SB-005	
Depth interval (ft bgs)	10-12'	12-14'
Date	10/1996	10/1996
Benzene	11	58
Ethylbenzene	43	60
Chromium VI	17,700	11,100

Location	SB-009	
Depth interval (ft bgs)	12-14'	14-16'
Date	10/1996	10/1996
Chromium VI	13,900	9,560

Location	SB-004	
Depth interval (ft bgs)	6-8'	16-18'
Date	10/1996	10/1996
Benzene	ND	20
Ethylbenzene	42	7
Chromium VI	15,400	10,800

Location	MW-3-98
Date	02/1998
Benzene	2,500
Toluene	330
Ethylbenzene	1,600
Xylenes	4,000
Naphthalene	120

Location	SB-015	
Depth interval (ft bgs)	10-12'	14-16'
Date	10/1/97	10/1/97
Benzene	2,100	1,500
Ethylbenzene	3,600	120
Xylenes	8,100	183
2-Methylnaphthalene	9,100	ND

Location	SB-001	
Depth interval (ft bgs)	6-8'	10-12'
Date	10/1996	10/1996
Chromium VI	9,120	14,200

Location	SB-002	
Depth interval (ft bgs)	10-12'	13-15'
Date	10/1996	10/1996
Benzene	ND	19
Ethylbenzene	ND	37
Chromium VI	17,200	9,380

Location	SB-003	
Depth interval (ft bgs)	14-16'	16-18'
Date	10/1996	10/1996
Chromium VI	11,300	11,800

Location	BH2-98
Date	03/1998
Benzene	190
Ethylbenzene	72
Xylenes	50

Location	MW6-98
Date	08/1998
Ethylbenzene	570/310
Xylenes	750/210

Location	BH7-98
Date	03/1998
Ethylbenzene	1,700
Xylenes	2,800

Location	MW9-98
Date	08/1998
Ethylbenzene	330
Xylenes	280

Location	MW5-98
Date	08/1998
Ethylbenzene	1,300
Xylenes	4,900

Location	BH1-98
Date	03/1998
Ethylbenzene	1,900
Xylenes	8,600

GROUNDWATER SAMPLE RESULT
SOIL SAMPLE RESULT
750/120
Duplicate sample results
Exceeds Residential RIASLs
Exceeds Non-Residential RIASLs
Exceeds GSI/GSIP criteria
Exceeds Residential/Non-Residential Drinking Water or DWP criteria
Exceeds Residential/Non-Residential Health-Based Drinking Water criteria
Exceeds Residential Volatilization to Indoor Air criteria

LEGEND

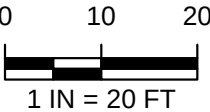
- HISTORICAL MONITORING WELL
- HISTORICAL SOIL BORING
- NO SOIL SAMPLE COLLECTED FOR LABORATORY ANALYSIS. PID READINGS > 1000 PPM AT AT LEAST ONE INTERVAL.
- NO SOIL OR GROUNDWATER CRITERIA EXCEEDANCES
- HISTORIC SITE STRUCTURES
- PNC PROPERTY (GMC)

NOTES

- All locations of soil borings and monitoring wells are approximate. Estimated site feature locations based on available aerial photos.
- Historic groundwater and soil analytical results compared to EGLE Part 201 Generic Cleanup Criteria and Screening Levels, dated August 3, 2020 (groundwater) and December 30, 2013; GSI Protection updated June 25, 2018 (soil) and the EGLE Media-Specific Volatilization to Indoor Air - Recommended Interim Action Screening Levels dated August 2017.
- All soil results in micrograms per kilogram (ug/kg).
- All groundwater results in micrograms per liter (ug/L).

ACRONYMS

- ND - Not Detected
- RIASL - Recommended Interim Action Screening Levels.
- GSI - Groundwater Surface Water
- GSIP - Groundwater Surface Water Protection
- DWP - Drinking Water Protection



RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

**HISTORICAL SOIL AND GROUNDWATER
SAMPLE ANALYTICAL RESULTS,
VACANT LOT - JOSLYN/LENOX AVENUE**

ARCADIS Design & Consultancy
for natural and
built assets

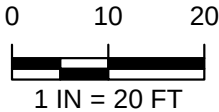
FIGURE
2

CITY: Novi DIV: ENV DB: TRY PIC: PM: TM: TR: PROJECT NUMBER: B0064607 2012.0002 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
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LEGEND

-  HISTORIC SITE STRUCTURES
-  PNC PROPERTY (GMC)



RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

VACANT LOT - JOSLYN/LEBARON AVENUE



TABLES

Table 1
Soil and Groundwater Criteria - Vacant Lot - Joslyn/Lenox Ave.
RACER Pontiac North Campus
Pontiac, Michigan

Groundwater								
	Units	Residential Drinking Water Criteria	Non-Residential Drinking Water Criteria	GSI Criteria	Residential/Non-Residential Health Based Drinking Water Value	Residential Groundwater Volatilization to Indoor Air Recommended Interim Action Screening Levels	Residential RIASLs	Non-Residential RIASLs
VOCs								
Benzene	ug/L	5 (A)	5 (A)	200	--	5,600	14	120
Toluene	ug/L	790 (E)	790 (E)	270	1,000	530,000 (S)	23,000	110,000
Ethylbenzene	ug/L	74 (E)	74 (E)	18	700	110,000	45	360
Xylenes	ug/L	280 (E)	280 (E)	49	10,000	190,000 (S)	1,200	6,000
PAHs								
Acenaphthylene	ug/L	52	150	ID	--	3,900 (S)	--	--
Naphthalene	ug/L	520	1500	11	--	31,000 (S)	--	--
2-Methylnaphthalene	ug/L	260	750	19	--	25,000 (S)	--	--

Soil							
	Units	Residential DWP	Non-Residential DWP	GSIP	Residential Groundwater Volatilization to Indoor Air Recommended Interim Action Screening Levels	Residential RIASLs	Non-Residential RIASLs
VOCs							
Benzene	ug/kg	100	100	4,000	1,600	1.7 (M)	12 (M)
Ethylbenzene	ug/kg	1,500	1,500	360	87,000	12 (M)	86
Xylenes	ug/kg	5,600	5,600	980	6,300,000 (C)	280	1,200
PAHs							
Naphthalene	ug/kg	35,000	100,000	730	250,000	--	--
2-Methylnaphthalene	ug/kg	57,000	170,000	4,200	2,700,000	--	--
Metals							
Chromium VI	ug/kg	30,000	30,000	3,300	NLV	--	--

Acronyms:

ID - insufficient data to develop criterion

GSI - Groundwater Surface Water

GSIP - Groundwater Surface Water Protection

NLV - Not likely to volatilize

RIASL - Recommended Interim Action Screening Levels

(A) - Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005.

(C) - The criterion developed under R 299.20 to R 299.26 exceeds the chemical- specific soil saturation screening level (Csat).

(E) - Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).

(M) - Site-specific criterion may be below target detection limits (TDL).

(S) - Criterion defaults to the hazardous substance-specific water solubility limit.

Notes:

1) Historic groundwater and soil analytical results compared to EGLE Part 201 Generic Cleanup Criteria and Screening Levels, dated August 3, 2020 (groundwater) and December 30, 2013; GSI Protection updated June 25, 2018 (soil) and the EGLE Media-Specific Volatilization to Indoor Air - Recommended Interim Action Screening Levels dated August 2017.

ATTACHMENT 1

AERIAL PHOTOGRAPHS AND TOPOGRAPHIC MAPS

Topographic Maps



RACER Pontiac North Joslyn Ave Parcels

830 - 898 Joslyn Ave

Pontiac, MI 48340

Inquiry Number: 6130947.4

July 23, 2020

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

07/23/20

Site Name:

RACER Pontiac North Joslyn A
830 - 898 Joslyn Ave
Pontiac, MI 48340
EDR Inquiry # 6130947.4

Client Name:

ARCADIS U.S., Inc.
10559 Citation Drive
Brighton, MI 48116
Contact: Brad Saunders



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by ARCADIS U.S., Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	30042883.00001	Latitude:	42.661545 42° 39' 42" North
Project:	RACER PNC Joslyn Parcels	Longitude:	-83.279776 -83° 16' 47" West
		UTM Zone:	Zone 17 North
		UTM X Meters:	313158.46
		UTM Y Meters:	4725750.76
		Elevation:	986.65' above sea level

Maps Provided:

2014	1907, 1908
1997	
1981, 1983	
1973	
1968	
1952	
1943, 1945	
1936	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2014 Source Sheets



Rochester
2014
7.5-minute, 24000



Pontiac North
2014
7.5-minute, 24000

1997 Source Sheets



Pontiac North
1997
7.5-minute, 24000
Aerial Photo Revised 1982



Rochester
1997
7.5-minute, 24000
Aerial Photo Revised 1997

1981, 1983 Source Sheets



Rochester
1981
7.5-minute, 24000
Aerial Photo Revised 1981



Pontiac North
1983
7.5-minute, 24000
Aerial Photo Revised 1982

1973 Source Sheets



Rochester
1973
7.5-minute, 24000
Aerial Photo Revised 1973

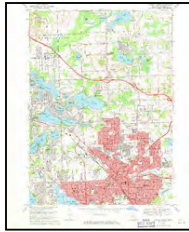


Pontiac North
1973
7.5-minute, 24000
Aerial Photo Revised 1973

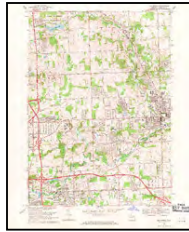
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1968 Source Sheets



Pontiac North
1968
7.5-minute, 24000
Aerial Photo Revised 1967



Rochester
1968
7.5-minute, 24000
Aerial Photo Revised 1967

1952 Source Sheets



Pontiac North
1952
7.5-minute, 24000



Rochester
1952
7.5-minute, 24000

1943, 1945 Source Sheets



Pontiac North
1943
7.5-minute, 24000



Rochester
1945
7.5-minute, 24000

1936 Source Sheets



Rochester
1936
7.5-minute, 31680



Pontiac North
1936
7.5-minute, 31680

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

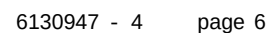
1907, 1908 Source Sheets

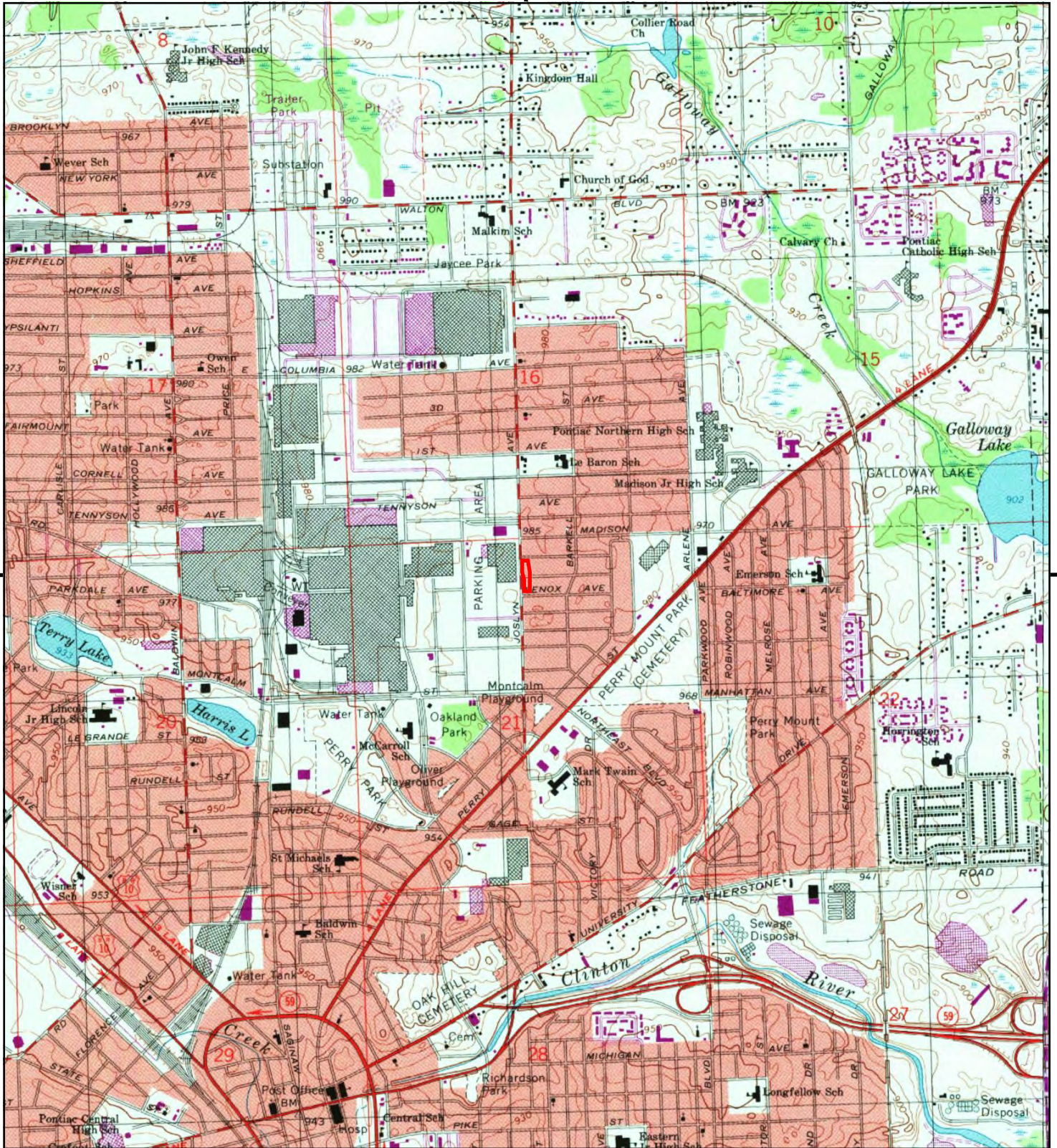


Pontiac
1907
15-minute, 62500

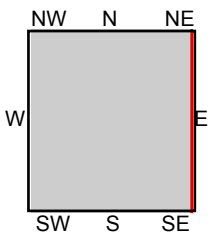


Rochester
1908
15-minute, 62500





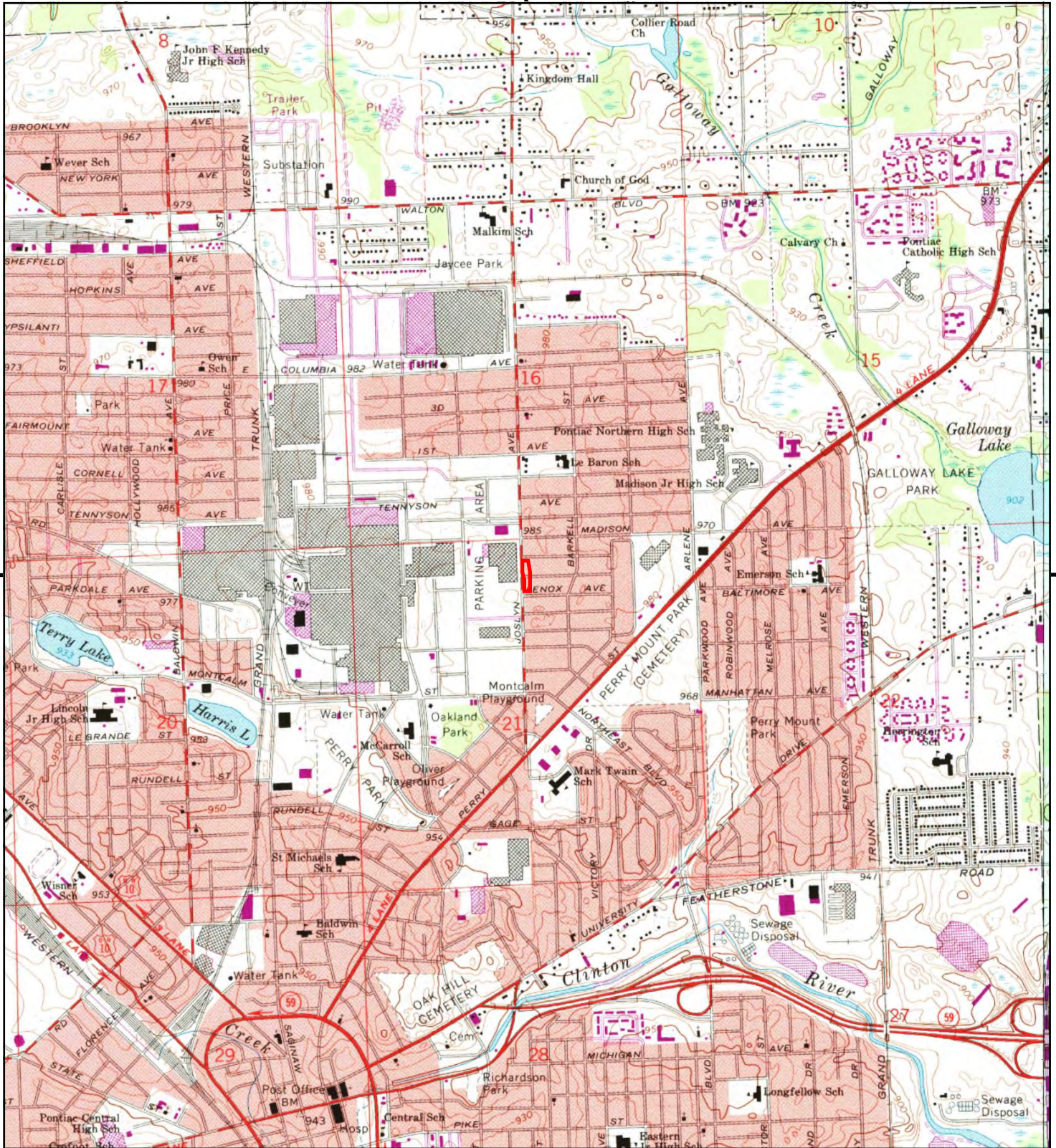
This report includes information from the following map sheet(s).



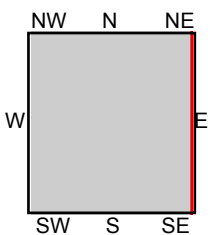
TP, Pontiac North, 1997, 7.5-minute
E, Rochester, 1997, 7.5-minute

SITE NAME: RACER Pontiac North Joslyn Ave Parcel
ADDRESS: 830 - 898 Joslyn Ave
Pontiac, MI 48340
CLIENT: ARCADIS U.S., Inc.





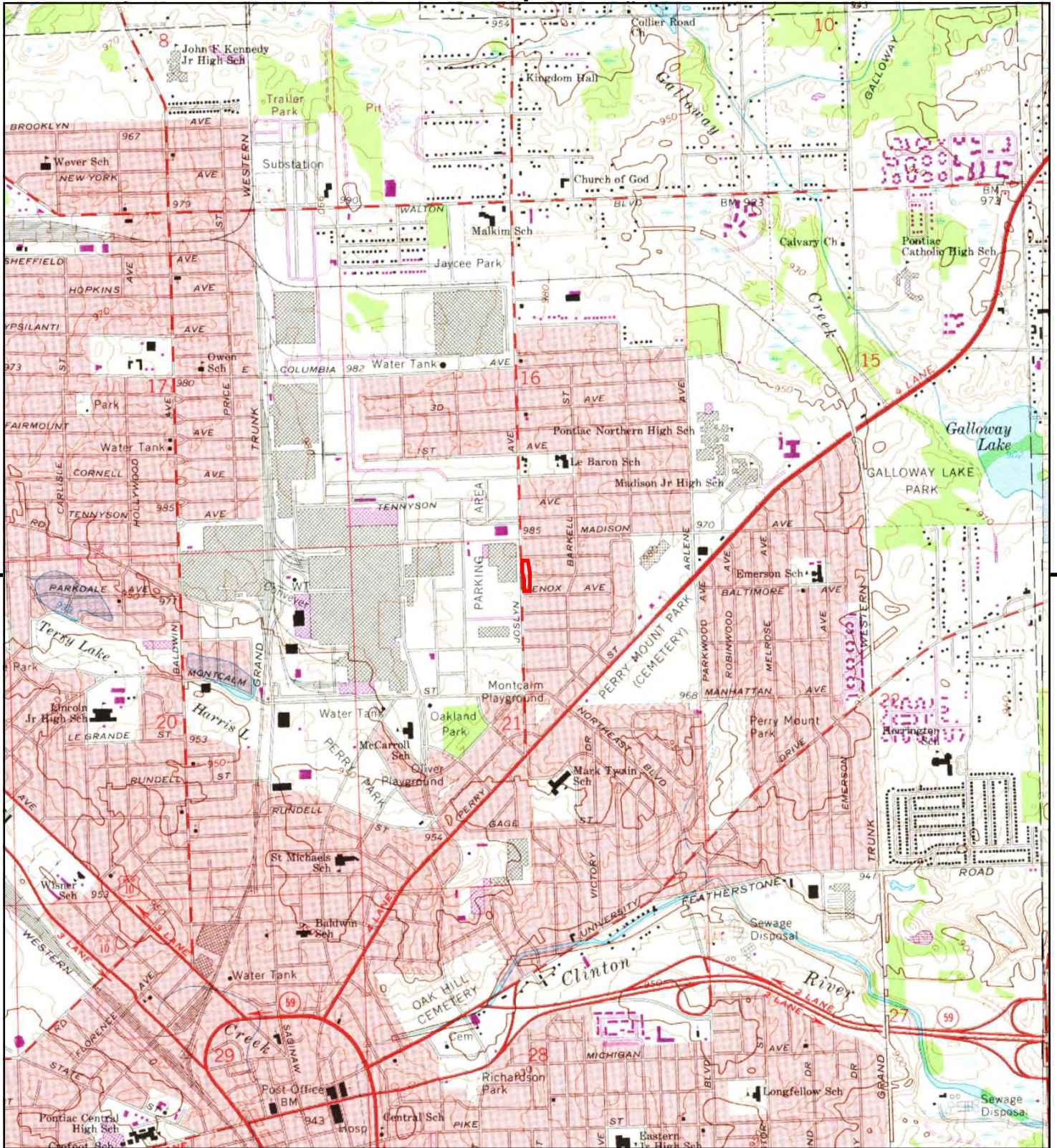
This report includes information from the following map sheet(s).



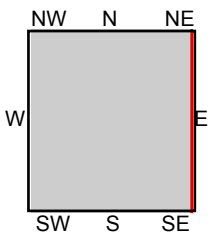
TP, Pontiac North, 1983, 7.5-minute
E, Rochester, 1981, 7.5-minute

SITE NAME: RACER Pontiac North Joslyn Ave Parcels
ADDRESS: 830 - 898 Joslyn Ave
Pontiac, MI 48340
CLIENT: ARCADIS U.S., Inc.





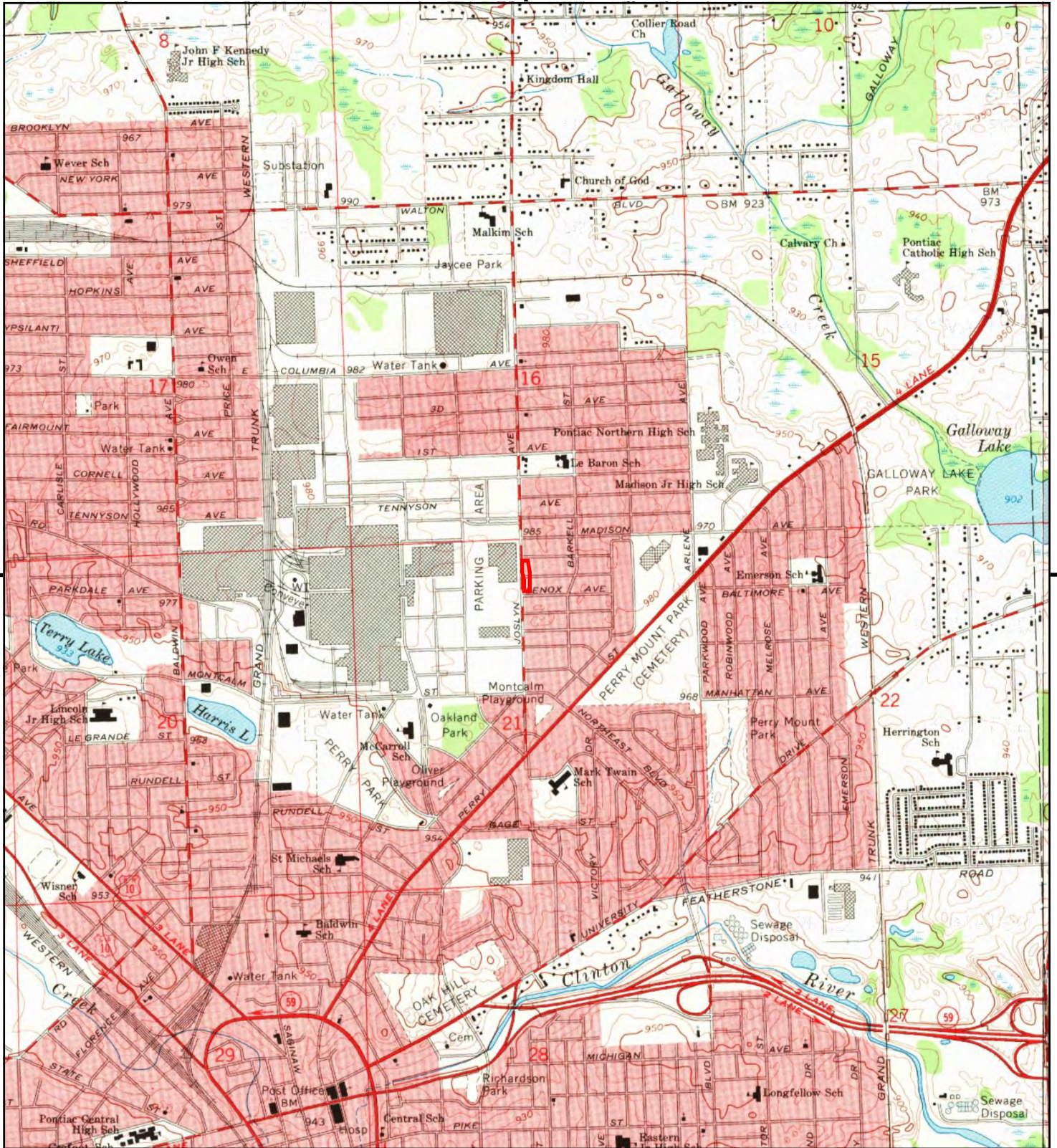
This report includes information from the following map sheet(s).



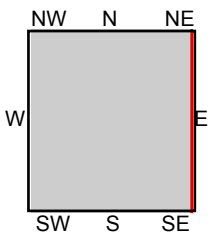
TP, Pontiac North, 1973, 7.5-minute
E, Rochester, 1973, 7.5-minute

SITE NAME: RACER Pontiac North Joslyn Ave Parcel
ADDRESS: 830 - 898 Joslyn Ave
Pontiac, MI 48340
CLIENT: ARCADIS U.S., Inc.





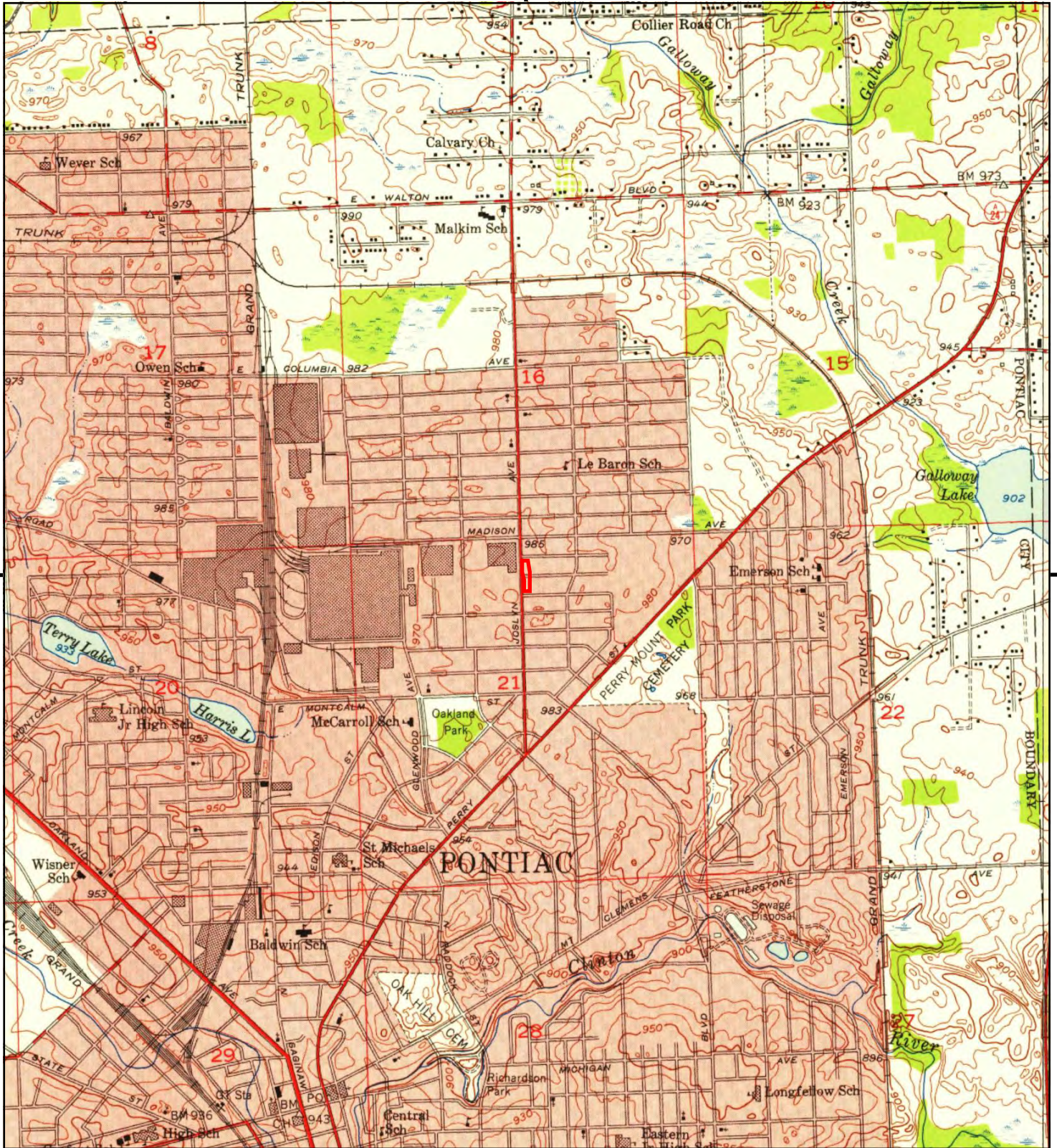
This report includes information from the following map sheet(s).



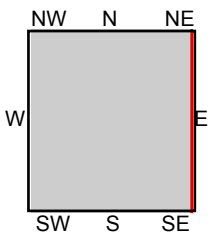
TP, Pontiac North, 1968, 7.5-minute
E, Rochester, 1968, 7.5-minute

SITE NAME: RACER Pontiac North Joslyn Ave Parcel
ADDRESS: 830 - 898 Joslyn Ave
Pontiac, MI 48340
CLIENT: ARCADIS U.S., Inc.





This report includes information from the following map sheet(s).



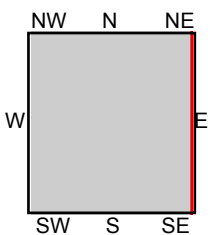
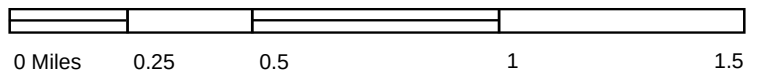
TP, Pontiac North, 1952, 7.5-minute
E, Rochester, 1952, 7.5-minute

SITE NAME: RACER Pontiac North Joslyn Ave Parcel
ADDRESS: 830 - 898 Joslyn Ave
Pontiac, MI 48340
CLIENT: ARCADIS U.S., Inc.





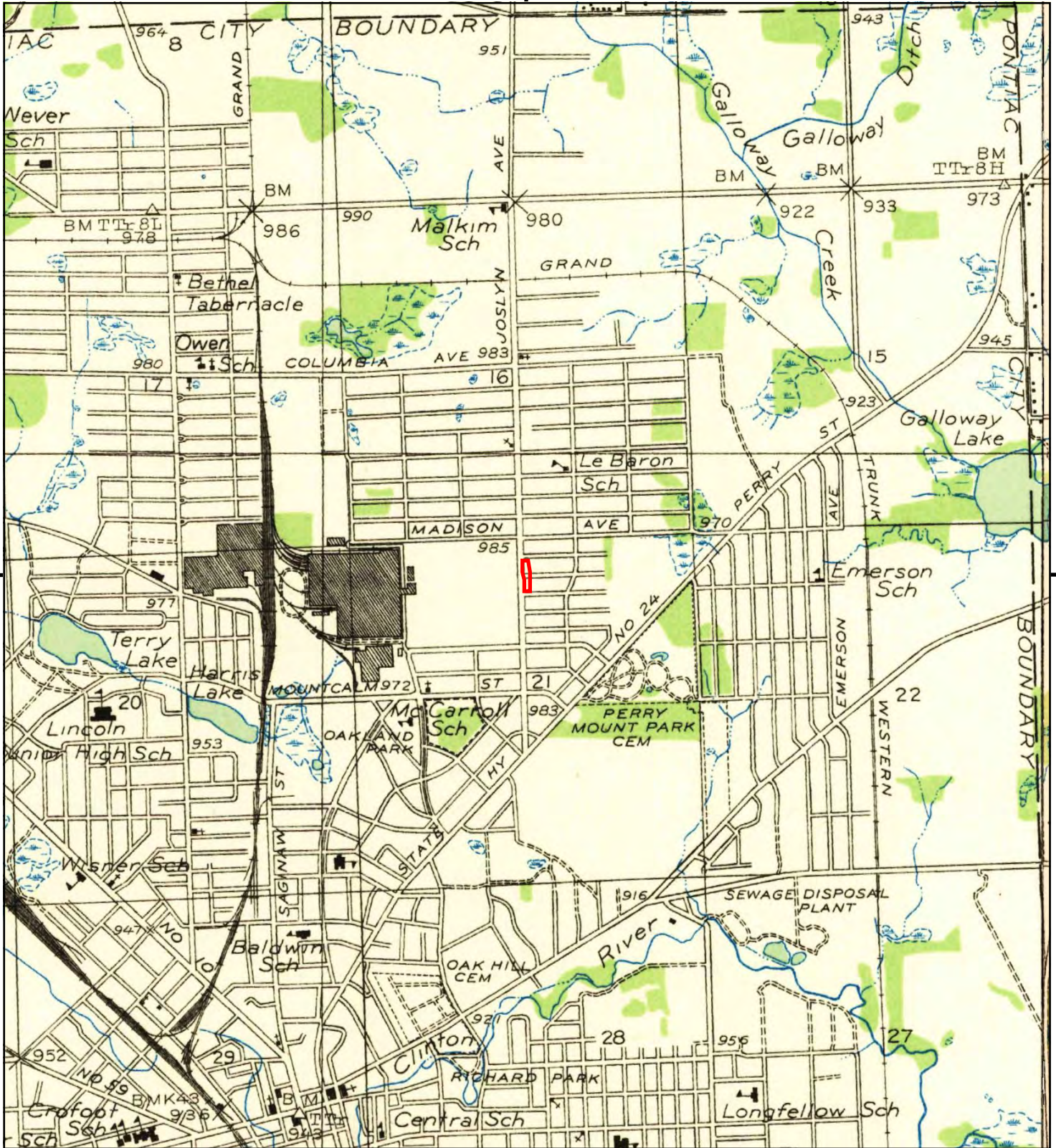
This report includes information from the following map sheet(s).



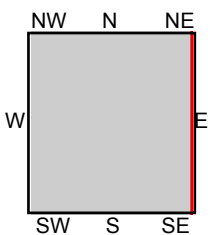
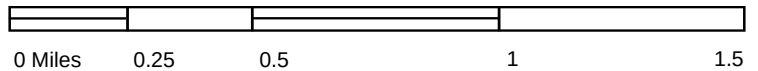
TP, Pontiac North, 1943, 7.5-minute
E, Rochester, 1945, 7.5-minute

SITE NAME: RACER Pontiac North Joslyn Ave Parcels
ADDRESS: 830 - 898 Joslyn Ave
Pontiac, MI 48340
CLIENT: ARCADIS U.S., Inc.





This report includes information from the following map sheet(s).



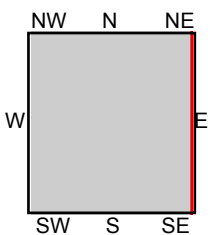
TP, Pontiac North, 1936, 7.5-minute
E, Rochester, 1936, 7.5-minute

SITE NAME: RACER Pontiac North Joslyn Ave Parcel
ADDRESS: 830 - 898 Joslyn Ave
Pontiac, MI 48340
CLIENT: ARCADIS U.S., Inc.





This report includes information from the following map sheet(s).



TP, Pontiac, 1907, 15-minute
E, Rochester, 1908, 15-minute

SITE NAME: RACER Pontiac North Joslyn Ave Parcels
ADDRESS: 830 - 898 Joslyn Ave
Pontiac, MI 48340
CLIENT: ARCADIS U.S., Inc.





INQUIRY #: 6130947.8

YEAR: 1976

— = 500'





INQUIRY #: 6130947.8

YEAR: 1972

— = 500'





INQUIRY #: 6130947.8

YEAR: 1967

500'





INQUIRY #: 6130947.8

YEAR: 1956

— = 500'





INQUIRY #: 6130947.8

YEAR: 1952

— = 500'





INQUIRY #: 6130947.8

YEAR: 1949

— = 500'





INQUIRY #: 6130947.8

YEAR: 1940

1" = 500'





INQUIRY #: 6130947.8

YEAR: 1937

— = 500'



Aerial Photographs



RACER Pontiac North Joslyn Ave Parcels

830 - 898 Joslyn Ave

Pontiac, MI 48340

Inquiry Number: 6130947.8

July 23, 2020

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

07/23/20

Site Name:

RACER Pontiac North Joslyn A
830 - 898 Joslyn Ave
Pontiac, MI 48340
EDR Inquiry # 6130947.8

Client Name:

ARCADIS U.S., Inc.
10559 Citation Drive
Brighton, MI 48116
Contact: Brad Saunders



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.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1999	1"=500'	Acquisition Date: March 28, 1999	USGS/DOQQ
1997	1"=500'	Flight Date: May 04, 1997	DTE
1987	1"=500'	Flight Date: June 14, 1987	USDA
1983	1"=500'	Flight Date: May 05, 1983	USDA
1976	1"=500'	Flight Date: March 25, 1976	USDA
1972	1"=500'	Flight Date: July 01, 1972	USDA
1967	1"=500'	Flight Date: May 12, 1967	DTE
1956	1"=500'	Flight Date: May 07, 1956	DTE
1952	1"=500'	Flight Date: April 25, 1952	DTE
1949	1"=500'	Flight Date: May 03, 1949	DTE
1940	1"=500'	Flight Date: August 01, 1940	USDA
1937	1"=500'	Flight Date: September 20, 1937	USDA

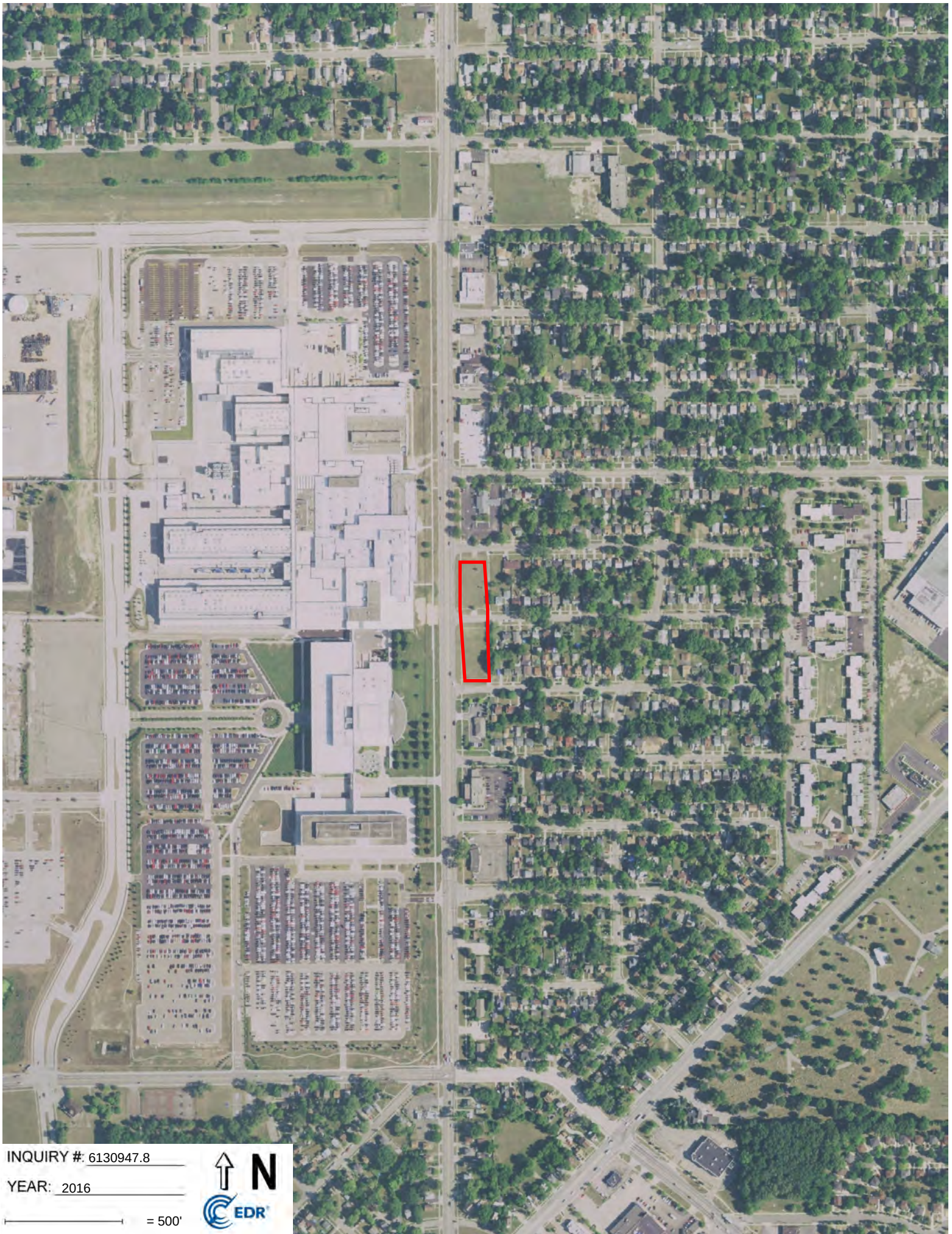
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INQUIRY #: 6130947.8

YEAR: 2016

— = 500'





INQUIRY #: 6130947.8

YEAR: 2012

— = 500'





INQUIRY #: 6130947.8

YEAR: 2009

— = 500'





INQUIRY #: 6130947.8

YEAR: 2005

— = 500'





INQUIRY #: 6130947.8

YEAR: 1999

— = 500'





INQUIRY #: 6130947.8

YEAR: 1997

— = 500'





INQUIRY #: 6130947.8

YEAR: 1987

— = 500'





INQUIRY #: 6130947.8

YEAR: 1983

— = 500'



ATTACHMENT 2

CITY DIRECTORY

RACER Pontiac North Joslyn Ave Parcels

830 - 898 Joslyn Ave
Pontiac, MI 48340

Inquiry Number: 6130947.5
July 28, 2020

The EDR-City Directory Image Report



Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report 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 Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

infoUSA®

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	☑	☑	EDR Digital Archive
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1987	☑	☑	Bresser's Cross-Index Directory Company
1983	☑	☑	Bresser's Cross-Index Directory Company
1978	☑	☑	Bresser's Cross-Index Directory Company
1973	☑	☑	Bresser's Cross-Index Directory Company
1968	☑	☑	Bresser's Cross-Index Directory Company
1963	☑	☑	Bresser's Cross-Index Directory Company
1960	☑	☑	Polk's City Directory
1955	☑	☑	Polk's City Directory
1950	☑	☑	Polk's City Directory
1945	☑	☑	Polk's City Directory
1941	☑	☑	Polk's City Directory
1935	☑	☑	Polk's City Directory

EXECUTIVE SUMMARY

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
1930	☒	☒	Polk's City Directory
1925	☒	☐	Polk's City Directory
1920	☐	☐	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

830 - 898 Joslyn Ave
Pontiac, MI 48340

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

JOSLYN AVE

2017	pg A2	EDR Digital Archive
2014	pg A8	EDR Digital Archive
2010	pg A14	EDR Digital Archive
2005	pg A20	EDR Digital Archive
2000	pg A26	EDR Digital Archive
1995	pg A32	EDR Digital Archive
1992	pg A39	EDR Digital Archive
1987	pg A45	Bresser's Cross-Index Directory Company
1987	pg A46	Bresser's Cross-Index Directory Company
1983	pg A51	Bresser's Cross-Index Directory Company
1983	pg A52	Bresser's Cross-Index Directory Company
1978	pg A56	Bresser's Cross-Index Directory Company
1978	pg A57	Bresser's Cross-Index Directory Company
1973	pg A62	Bresser's Cross-Index Directory Company
1973	pg A63	Bresser's Cross-Index Directory Company
1968	pg A69	Bresser's Cross-Index Directory Company
1968	pg A70	Bresser's Cross-Index Directory Company
1963	pg A76	Bresser's Cross-Index Directory Company
1963	pg A77	Bresser's Cross-Index Directory Company
1960	pg A81	Polk's City Directory
1955	pg A87	Polk's City Directory
1955	pg A88	Polk's City Directory
1950	pg A93	Polk's City Directory
1945	pg A98	Polk's City Directory
1945	pg A99	Polk's City Directory
1941	pg A103	Polk's City Directory
1941	pg A104	Polk's City Directory
1935	pg A108	Polk's City Directory
1935	pg A109	Polk's City Directory
1930	pg A113	Polk's City Directory

FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
1930	pg A114	Polk's City Directory	
1925	pg A118	Polk's City Directory	
1925	pg A119	Polk's City Directory	
1920	-	Polk's City Directory	Target and Adjoining not listed in Source

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

LEBARON AVE

2017	pg. A5	EDR Digital Archive
2014	pg. A11	EDR Digital Archive
2010	pg. A17	EDR Digital Archive
2005	pg. A23	EDR Digital Archive
2000	pg. A29	EDR Digital Archive
1995	pg. A36	EDR Digital Archive
1992	pg. A42	EDR Digital Archive
1987	pg. A47	Bresser's Cross-Index Directory Company
1983	pg. A53	Bresser's Cross-Index Directory Company
1978	pg. A58	Bresser's Cross-Index Directory Company
1978	pg. A59	Bresser's Cross-Index Directory Company
1973	pg. A64	Bresser's Cross-Index Directory Company
1973	pg. A65	Bresser's Cross-Index Directory Company
1968	pg. A71	Bresser's Cross-Index Directory Company
1968	pg. A72	Bresser's Cross-Index Directory Company
1963	pg. A78	Bresser's Cross-Index Directory Company
1960	pg. A82	Polk's City Directory
1955	pg. A89	Polk's City Directory
1955	pg. A90	Polk's City Directory
1950	pg. A94	Polk's City Directory
1950	pg. A95	Polk's City Directory
1945	pg. A100	Polk's City Directory
1941	pg. A105	Polk's City Directory
1935	pg. A110	Polk's City Directory
1930	pg. A115	Polk's City Directory
1925	-	Polk's City Directory
1920	-	Polk's City Directory

Street not listed in Source

Street not listed in Source

LENOX AVE

2017	pg. A6	EDR Digital Archive
2014	pg. A12	EDR Digital Archive
2010	pg. A18	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
2005	pg. A24	EDR Digital Archive	
2000	pg. A30	EDR Digital Archive	
1995	pg. A37	EDR Digital Archive	
1992	pg. A43	EDR Digital Archive	
1987	pg. A48	Bresser's Cross-Index Directory Company	
1983	pg. A54	Bresser's Cross-Index Directory Company	
1978	pg. A60	Bresser's Cross-Index Directory Company	
1973	pg. A66	Bresser's Cross-Index Directory Company	
1968	pg. A73	Bresser's Cross-Index Directory Company	
1968	pg. A74	Bresser's Cross-Index Directory Company	
1963	pg. A79	Bresser's Cross-Index Directory Company	
1960	pg. A83	Polk's City Directory	
1960	pg. A84	Polk's City Directory	
1955	pg. A91	Polk's City Directory	
1950	pg. A96	Polk's City Directory	
1945	pg. A101	Polk's City Directory	
1941	pg. A106	Polk's City Directory	
1935	pg. A111	Polk's City Directory	
1930	pg. A116	Polk's City Directory	
1925	-	Polk's City Directory	Street not listed in Source
1920	-	Polk's City Directory	Street not listed in Source

WESBROOK ST

2017	pg. A7	EDR Digital Archive
2014	pg. A13	EDR Digital Archive
2010	pg. A19	EDR Digital Archive
2005	pg. A25	EDR Digital Archive
2000	pg. A31	EDR Digital Archive
1995	pg. A38	EDR Digital Archive
1992	pg. A44	EDR Digital Archive
1987	pg. A49	Bresser's Cross-Index Directory Company
1987	pg. A50	Bresser's Cross-Index Directory Company
1983	pg. A55	Bresser's Cross-Index Directory Company
1978	pg. A61	Bresser's Cross-Index Directory Company
1973	pg. A67	Bresser's Cross-Index Directory Company
1973	pg. A68	Bresser's Cross-Index Directory Company
1968	pg. A75	Bresser's Cross-Index Directory Company

FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
1963	pg. A80	Bresser's Cross-Index Directory Company	
1960	pg. A85	Polk's City Directory	
1960	pg. A86	Polk's City Directory	
1955	pg. A92	Polk's City Directory	
1950	pg. A97	Polk's City Directory	
1945	pg. A102	Polk's City Directory	
1941	pg. A107	Polk's City Directory	
1935	pg. A112	Polk's City Directory	
1930	pg. A117	Polk's City Directory	
1925	-	Polk's City Directory	Street not listed in Source
1920	-	Polk's City Directory	Street not listed in Source

City Directory Images

JOSLYN AVE 2017

324	STEPHENS, CHRIS
328	DUGAS, EULA M
331	WILSON, PAUL S
336	COLLINS, ANDERSON C
340	EVANS, RAYMOND L
344	FLOWERS, IOLA
350	HORTON, ANTHONY D
351	FRAZIER, SANTINO M
359	BURTON, ORLANDO C
360	SCRUGGS, ROBERT L
366	SIMMONS, JACINTA
372	THOMAS, MAUDE
375	ANDERSON, ROBERT
378	JOHNSON, KEITH M
395	FINLEY, M
403	BRIDGES, VIRGIE L
408	HILLS, SABRINA B
413	HOLLIS, GWENDOLYN N
414	LAWRENCE, ARTIS J
419	ANDERSON, COLLINS C
420	MOJET, ALEX
426	FRANK, LOUISE I
432	HOWARD, PAUL M
621	SAMUEL, ANTHONY L
625	GODDARD, HOWARD W
635	PEREZ, JULIAN
642	YABERRA, NICOLAS
645	JACK, LELIA
648	MAYS, IVORY
652	MIKUS, CASEY J
655	SORRENTO PIZZA
668	NEVILS, NATHANIEL
680	GLEEN, LINDA S
684	DOUGLAS, BRANDI D
688	WILBUR, CHRITJA
692	BEARDSLEE, RICHARD W
700	PACHNIK, MATT J
708	VAJCNER, JENNIFER
712	FRANKLIN, MARGE
716	VASQUEZ, S
720	BILSING, MICHELLE
724	HOPSON, KEVIN E
728	REED, MICHAEL R
730	LOUNDON, ROSIE L
734	PERKINS, BECKY J
740	WILLIAMS, TIFFANY Y
760	LABORERS LABORERS INTERNATIONAL OF N
777	GENERAL MOTORS GM
790	CHIEF PONTIAC FEDERAL CREDIT UNION
816	OAKLAND INTEGRATED HEALTHCARE NETWORK

JOSLYN AVE

2017

(Cont'd)

823	GENERAL MOTORS GM
895	GENERAL MOTORS GM
	OTP INDUSTRIAL SOLUTIONS
900	CHIEF PONTIAC FEDERAL CREDIT UNION
940	OAKLAND DINER
952	JOSLYN MARKET
956	FATHER & SON CLEANERS
990	CITY OF PONTIAC
1004	CANTARELLA & ASSOCIATES PC
1038	CITY GLASS SERVICE
1044	JOSLYN CHIROPRACTIC CENTER
1068	HENRY, RICHARD L
1101	MCNEAL BARBERSHOP
1106	BIBLE FELLOWSHIP CHRISTIAN CHURCH
1124	BEST PRICE MOBILE
	JOSLYN BEVERAGE
	RAZA CELLULAR
1133	SAINT PAUL LUTHERAN COMMUNITY CHURCH
1170	JOSLYN AUTO REPAIR
	PAXS MUFFLER & BRAKES
1188	EL PATRON
	MADDIES DINER
1196	SHOWERS OF BLESSING DELIVERANCE CHUR
1210	HELM, RONALD W
1230	PITTMAN, ROGER A
1240	CONTRERAS, PATRICK
1260	JOSLYN FUEL INC
1280	YRC FREIGHT
1368	BOSTICK TRUCK CENTER
1399	AUTO BODY SERVICE CENTERS NORT H INC
	GREAT LAKES SUPERSTORE
1430	BP
	PONTIAC PHARMACY
	SHELL
1457	RIETHMEIER, MARK J
1481	DUNCAN, TIMOTHY M
1484	CHOLAK, JASON
1517	SWAMINARAYAN
1519	LAUINGER, CHARLES A
1520	THAO, YANG
1528	FRYE, TONY R
1537	PHIFER, GEORGE A
1540	LAWN PRIDE LAWN SERVICE & SNOW PLOWI
1546	SPENCER, DALE C
1547	CORDOVA, DAVID M
1554	PAWELSKI, ADAM A
1557	DICARLO, PAUL J
1560	MASON, RACHEL R
1566	CONNELLY, WALTER
1567	GET IT DONE RIGHT

JOSLYN AVE

2017

(Cont'd)

1567	SPANN, JARROD D
1575	WALKER, JEREMY S
1576	CAMPBELL, STEVE R
1584	SIMPSON, JAMES K
1592	BOWKER, G
1593	LOPEZ, JOSE M
1598	STIFF, DANIEL P
1612	DANT, CHRISTOPHER G
1613	SCHIRLE, JOAN A
1618	WOLD, ALAN L
1619	HAYNES, KARA L
1625	HERRINGTON, KEVIN
1639	KENNEDY, JOHN M
1644	STEPAN, ROBERT
1685	GIBBS, BRADLEY W
1716	CHOLAGH FAMILY INVESTMENT INC
	CITY SIDE MARKET

LEBARON AVE 2017

558	LOR, TONG V
563	MCGEE, CEDRIC
566	FASOLO, KARL P
570	ABRIL, CONSTANCIO
571	GALINDO, TANIA
578	BURTON, DANNI L
579	MOORHEAD, FELISHA C
582	WOODSON, JACQUEL
586	BOWMAN, KRISTAL D
587	WELBY, ANDREW
590	HERNANDEZ, CRISTINA E
598	GREEN, TRAVARR D
599	CRUZ, JOSE
602	LEON, CARMEN J
606	BEARDEN, ELIJAH J
607	BERMUDEZ, CLARISSA I
610	TREVINO, RAY J
611	LUGO, DANIEL
615	MOSES, ROBERT L
627	SHELTON, RANDL E
636	WILDER, DEMETRIUS J
640	MARCEL, IONUT M
645	VALLELUNGA, BETHANN L
648	DILWORTH, FELICIA
649	TAYLOR, ANTONIO D
650	SIDAWAY, CHRISTINE M
654	CRAWFORD, JEREANN A
655	BEARSS, NICOLE J
658	GEHRKE, DONNA G
659	FELTON, CLARENCE L
662	FELICIANO, MARISOL
663	LUNDY, VICTOR
666	DILLOW, RITA L
667	ONOTU, QUIEMEKIA P

LENOX AVE 2017

554	OLSEN, CINDY
559	MYERS, EDWARD
563	REYNA, RIGOBERTO S
566	CISNEROS, FRANCIS
567	MOCZARSKI, NICOLE S
575	RODRIGO, RAYMUNDO F
586	MODEST, CHRISTOPHER J
587	ELMY, MICHAEL E
590	RODRIGUEZ, JOSE M
591	CADD, WILMER L
594	GONZALES, EVERARDO
598	ALVARADO, ANA
599	RICHARDSON, ROBERT E
603	PATTERSON, SAUNDRA
610	BASS, NIKITA M
614	WALKER, DEBRA A
615	NARRIN, STACIE
619	HOSLE, BOBBIE L
622	JACK, JESSICA D
635	SANCHEZ, RONALD
638	MARTINEZ, ALONDRA
642	TUCKER, KEOSHIA
643	LEE, LOY C
646	WATERS, RANDY A
650	MAJOR, BRANDON A
654	REAMY, CARRIE L
662	TRUDEAU, AMANDA M
663	COVINGTON, ERIC
666	LANCE, MELVIN R

WESBROOK ST 2017

555	VANN, GREGORY C
558	BROWN, CHARLES E
562	BENAVI, MARIA
566	FELIX, MARIA L
567	OSLEY, STACI Y
570	JOHNSON, SHERRY L
574	MONAGHAN, KIP
575	MERO-GALLOWAY, CHERYL L
578	TENER-JOHNSON, PAUL A
579	COAKLEY, SUZAN M
587	GILLOTTE, ANGELINE
591	HOLLIS, DEVON D
594	YANG, YER
598	JIMENEZ, DAWN M
599	BELTRAN, RUFINO
602	RUSSELL, RICKEY D
607	THOMAS, TURNER
620	KIMPSON, BOBBIE J
626	PRESTON, DEBORAH D
627	BONGARD, SHANNON L
634	ROBINSON, DWAYNE
635	PRYOR, JOEL C
638	HULBERT, CHERYL A
639	STOCKSDEES, FRANK
642	LOPEZ, EVELYN
643	THUESEN, HAROLD H
646	SANDRA, D C
654	SANTOS, ELSA A
658	NELSON, DONNA J
659	SHADAZZ, RASHEED
662	FRANTZ, GLEN R

JOSLYN AVE 2014

318	SPURLIN, PAMELA D
328	DUGAS, EULA M
331	WILSON, PAUL S
336	CHISM, RYAN N
340	EVANS, RAYMOND L
344	FLOWERS, LELA M
350	HORTON, ANTHONY D
351	FRAZIER, BARBARA J
356	COATS, CURTIS S
359	BURTON, ORLANDO C
360	SCRUGGS, ROBERT L
365	EMBRY, CORIE
366	PETTIFORD, JAMAL
372	THOMAS, MAUDE
375	JONES, ROBERT L
378	JOHNSON, KEITH M
395	FINLEY, M
400	WINTON, PAUL
403	BRIDGES, VIRGIE L
408	HILLS, SABRINA B
413	HOLLIS, GWENDOLYN N
414	JORDAN, VALERIE J
419	OCCUPANT UNKNOWN,
426	FRANK, LOUISE I
432	OCCUPANT UNKNOWN,
625	GODDARD, HOWARD W
628	SCOTT, KEITH
631	OCCUPANT UNKNOWN,
635	MCINTYRE, JENNIFER L
638	ABRAHAM, DAVID
641	ANDERSON, TRACI
642	YABERRA, NICOLAS
648	MAYS, IVORY
652	OCCUPANT UNKNOWN,
655	SORRENTO PIZZA
658	PITTMAN, TERANCE L
668	NEVILS, JAMES
680	GLEEN, LINDA S
684	DOUGLAS, BRANDI
688	JIMENEZ, MARIA
692	MURRAY, GERALD
700	VAJCNER, JEFF
704	OCCUPANT UNKNOWN,
708	SIEMIANOWSKI, JENNIFER M
712	FRANKLIN, MARGE
716	BURRELL, FREDRICK B
720	BILSING, MICHELLE
	MILLER, MYEIA
724	HOPSON, KEVIN
728	YANCY, KYRA N

JOSLYN AVE

2014

(Cont'd)

730 LOUNDON, ROSIE L
 734 PERKINS, EDGAR D
 740 BAY, REGINA W
 760 LABORERS LOCAL 1076 LABORERS INTERNA
 777 GENERAL MOTORS GM
 816 OAKLAND INTEGRATED HEALTHCARE NETWORK
 823 GENERAL MOTORS GM
 895 GENERAL MOTORS GM
 OTP INDUSTRIAL SOLUTIONS
 942 HAMMERED STRINGS MICHAEL RILEY
 952 JOSLYN MARKET
 956 FATHER & SON CLEANERS
 990 OAKLAND LIVINGSTON HUMAN SERVICE AGE
 1004 CANTARELLA & ASSOCIATES PC
 1018 GURFINKEL HARRIS DDS
 1028 APPLE REALTY
 1038 CITY GLASS SERVICE
 1044 JOSLYN CHIROPRACTIC CENTER
 1068 HENRY, RICHARD L
 1101 MCNEAL BARBERSHOP
 1106 BIBLE FELLOWSHIP CHRISTIAN CHURCH
 1124 JOSLYN BEVERAGE
 RAZA CELLULAR
 1133 SAINT PAUL LUTHERAN COMMUNITY CHURCH
 1156 OCCUPANT UNKNOWN,
 1170 JOSLYN AUTO REPAIR
 PAXS MUFFLER & BRAKES
 1188 EL PATRON
 MADDIES DINER
 1196 SHOWERS OF BLESSING DELIVERANCE CHUR
 1210 HELM, RONALD W
 1230 PITTMAN, ROGER A
 1240 LOUIS, KEITH
 1251 SERVICE PARTS OPERATIONS GENERAL MOT
 1260 JOSLYN FUEL INC
 1280 YRC FREIGHT
 1368 BOSTICK TRUCK CENTER
 1374 JAHNKE, KENNETH W
 1376 OCCUPANT UNKNOWN,
 1390 VAUGHAN, DEREK
 1399 AUTO BODY SERVICE CENTERS NORTH INC
 1416 K & K MECHANICAL CONTRACTORS
 1430 JOSLYN BP
 PONTIAC PHARMACY
 1457 RIETHMEIER, DAVID M
 1481 DUNCAN, TIMOTHY M
 1517 SWAMINARAYAN
 1519 LAUINGER, CHARLES A
 1520 THAO, YANG
 1528 FRYE, TONY R

JOSLYN AVE 2014 (Cont'd)

1537	PHIFER, GEORGE A
1540	LAWN PRIDE LAWN SERVICE & SNOW PLOWI
	WESLEY, P S
1546	SPENCER, DALE C
1547	CORDOVA, DAVID M
1557	DICARLO, TONY
1560	KIMMERER, JAMIE
1567	GET IT DONE RIGHT
	SPANN, JARROD D
1575	WALKER, JEREMY S
1576	LEFFEW, JENNIFER
1584	OCCUPANT UNKNOWN,
1592	BOWKER, G
1593	LOPEZ, JOSE T
1598	STIFF, DANIEL P
1612	OCCUPANT UNKNOWN,
1613	SCHIRLE, JOAN A
1618	WOLD, ALAN L
1619	HAYNES, KENNETH E
1625	HERRINGTON, KEVIN
1639	KENNEDY, JOHN M
1644	STEPAN, ROBERT
1650	BENTON, ANN L
1685	GIBBS, BRADLEY M
1716	CITY SIDE MARKET

LEBARON AVE 2014

563	MC GEE, CEDRIC
566	JACKSON, JOEY
570	SOLIS, JUAN S
571	GALINDO, EFRAIN S
574	WILLIAMS, NICOLE
578	BURTON, DANNI L
579	SHATA, R S
582	SMITH, SHANINA D
586	BEELER, KENDALL R
587	WELBY, HARRY G
588	WILLIAMS, JACKIE
590	HERNANDEZ, CRISTINA C
594	OCCUPANT UNKNOWN,
595	BALLARD, RACHEL M
598	GREEN, TRAVARR D
599	CRUZ, JOSE
602	LEON, CARMEN J
603	OCCUPANT UNKNOWN,
606	CUMBUS, SHARON A
607	OCCUPANT UNKNOWN,
610	TREVINO, RAY J
611	FERGUSON, RICHARD W
615	MOSES, ROBERT L
626	SIFUENTES, PRISSILA
627	SHELTON, RANDL E
636	OCCUPANT UNKNOWN,
640	PREVO, RAY H
641	OCCUPANT UNKNOWN,
645	VALLELUNGA, BETHANN L
648	ELLSWORTH, HAROLD T
649	FELICIANO, MARISOL
650	SIDAWAY, JUSTIN C
654	CRAWFORD, AMY M
655	OCCUPANT UNKNOWN,
658	OCCUPANT UNKNOWN,
659	FELTON, CLARENCE L
662	MELENDEZ, MARCUS
663	LUNDY, VICTOR
666	DILLOW, RITA L
667	JEFFERSON, LEE

LENOX AVE 2014

554	OLGA, BARKELEY
559	ALLEN, K
560	ROMANCHAK, THOMAS P
563	CRAWFORD, KRIS A
566	CISNEROS, FRANCIS
567	MOCZARSKI, NICOLE S
571	OCCUPANT UNKNOWN,
575	RODRIGO, RAYMUNDO
578	REID, GAYBIN M
579	ORR, LULA I
586	MODEST, CHRISTOPHER J
587	OCCUPANT UNKNOWN,
590	RODRIGUEZ, JOSE M
591	BURGER, TIM L
594	ELVA, LOPEZ
595	VELASCO, RICARDO R
598	FENTON, STEVEN D
599	RICHARDSON, ROBERT E
603	PATTERSON, SAUNDRA
610	BASS, NIKITA M
614	BLACKWELL, DEBRA A
615	OCCUPANT UNKNOWN,
618	LOPEZ, MAYDETH
	MAYDETH, LOPEZ
619	HOSLE, BOBBIE L
622	DARLING, NANCY A
623	LADD, SHIRLEY A
631	CHANG, GE
634	OCCUPANT UNKNOWN,
635	SANCHEZ, ROSA
638	BAHENA, ALEJANDRO
642	SMITH, KIM
643	LEE, LOY C
646	WATERS, RANDY A
650	LANEHART, LILLIAN
	MAJOR, BRANDON A
651	HAYNES, DOUGLAS E
654	REAMY, CARRIE L
655	COLON, AXEL
662	TRUDEAU, AMANDA M
663	COVINGTON, ERIC
666	LANCE, MELVIN R

WESBROOK ST 2014

555	YEARGIN, ANDREA J
558	PRATT, ANGIE
562	BROWN, WORTHEN
563	NICOLE, YLIA H
566	HARISTON, NADIEA
567	OSLEY, STACI Y
570	JOHNSON, SHERRY L
571	ASHEEMAH, SHAAW K
574	MONAGHAN, KIP
575	MERO, CHERYL L
578	TENER, MICHAEL C
579	COAKLEY, SUE M
583	OCCUPANT UNKNOWN,
591	HOLLIS, DEVON D
594	YANG, SYSAVANH J
598	DEPONCE, ELVIRA
599	BELTRAN, RUFINO
601	CURTON, SHELLY
602	RUSSELL, RICKEY D
603	KAZMIERCZAK, CHRIS J
607	THOMAS, TURNER
620	KIMPSON, BOBBIE J
626	PRESTON, DEBORAH D
	TOLBERT, ZONDRA R
627	BONGARD, KRISTEN J
630	ROBINSON, TADARA L
631	MORGAN, SARAH A
635	PRYOR, JOEL C
638	HULBERT, CHERYL A
639	SEAY, COREY L
642	DAUL, CHRISTOPHER C
643	KENT, VICTORIA M
646	SANDRA, D C
654	SANTOS, ELSA A
658	NELSON, DONNA J
659	SHADAZZ, RASHEED
662	FRANTZ, MICHAEL G
663	JONES, JOHNNELL
666	OCCUPANT UNKNOWN,
667	BULLOCK, JAMELIA E

JOSLYN AVE 2010

318	SPURLIN, PAMELA D
324	MANNING, MARY W
328	DUGAS, EULA M
331	WILSON, PAUL S
336	ANDERSON, COLLINS C
340	EVANS, MARCELLA A
344	FLOWERS, JOHNNY M
345	WEBB, PHILIP
350	HORTON, ANTHONY D
351	FRAZIER, BARBARA J
356	GREEN-COATS, SANDRA A
359	BURTON, ORLANDO C
360	SCRUGGS, DARROW
372	MANNING, LEONADUS B
375	JONES, ROBERT L
378	JOHNSON, KEITH M
395	FINLEY, RAMONA K
400	WILKERSON, MARTIN
403	BRIDGES, VIRGIE L
408	HILLS, SABRINA B
413	HOLLIS, MARVIN
414	JORDAN, ERNESTINE
419	SANTANA, JOSE
420	WILLIAMS, QUINTON D
621	HURNER, JOSEPH T
625	GODDARD, HOWARD W
628	SCOTT, KIM R
635	MCINTYRE, JENNIFER L
642	YBARRA, ALFREDO W
645	PALCSAK, BRIAN J
648	IVORY, MAYS
652	MARTIN, MAXINE
662	VINCI, NANCY
668	NEVILS, JAMES
680	GLEEN, LINDA
684	DOUGLAS, BRANDI
688	JIMENEZ, MARIA
692	SAUCEDO, MARIA E
700	VAJCNER, JEFF
708	MCCLUSTER, JUSTIN W
716	BURRELL, FREDRICK B
720	BILSING, MICHELLE
730	LOUNDON, ROSIE L
734	PERKINS, EDGAR D
740	BAY, REGINA W
760	LABORERS LOCAL
777	GM POWERTRAIN
	SECURITAS SECURITY SVC USA INC
790	CHIEF PONTIAC FEDERAL CREDIT
	CHIEF PONTIAC FEDERAL CU

JOSLYN AVE

2010

(Cont'd)

816 HAYNES TERRENCE DDS
 823 G M POWERTRAIN GROUP
 940 COCOS CONEY ISLAND
 942 HAMMERED STRINGS MICHAEL RILEY
 952 JOSLYN MARKET
 956 FATHER & SON CLEANERS
 974 FRONT PAGE
 990 OAKLAND LIVINGSTON HUMANE SVC
 RUTH PETERSON COMMUNITY CTR
 1004 CANTARELLA & ASSOC PC
 1018 METROPOLITAN DENTAL CTR
 1028 APPLE REALTY
 1038 CITY GLASS SVC
 1044 JOSLYN CHIROPRACTIC CTR
 POSTURE SUPPORT SYSTEMS INC
 1068 RICHARD, L H
 1101 MC NEAL BARBERSHOP
 1106 BIBLE FELLOWSHIP CHRISTIAN CHR
 1124 SHARPES PARTY STORE
 1133 LUTHERAN ECONOMY CTR
 ST PAUL INTL LUTHERAN CHURCH
 1170 PAXONS MUFFLER & BRAKES
 1188 WEEKS CONEY ISLAND
 1210 HELM, RONALD W
 1220 POWERS, T
 1230 PITTMAN, ROGER A
 1240 NEGRON, CARLOS L
 1251 SERVICE PARTS OPERATIONS GEN
 1260 COMCAST CABLE
 DISH NETWORK
 MARATHON
 1280 YELLOW FREIGHT
 1368 AUTO CREDIT EXPRESS
 BOSTICK GMC TRUCK CTR
 J & A SPRING & TIRES INC
 1374 JAHNKE, KENNETH W
 1390 VAUGHAN, DEREK
 1399 UHAUL CO
 1416 K & K MECHANICAL CONTRACTORS
 1430 B P STATION
 JOSLYN BP
 1457 GERRI, AVERY
 1481 FOSTER, CHRISTOPHER S
 1484 BRYANT, FRANCES
 1517 SWAMINARAYAN
 1519 LAUINGER, CHARLES A
 1520 THAO, PHIA
 1528 FRYE, TONY R
 1537 PHIFER, GEORGE A
 1540 LAWN PRIDE LAWN SVCSNOW PLWNG

JOSLYN AVE

2010

(Cont'd)

1540	WESLEY, P S
1546	SPENCER, DALE C
1547	CORDOVA, DAVID M
1554	HARRISON, MICHAEL A
1560	POTTER, THERESA R
1566	FRACK, MARI L
1567	GET IT DONE RIGHT
	SPANN, JARROD D
1575	WALKER, JEREMY S
1584	PYLE, LINDA K
1592	BOWKER, G
1593	JLL MASONRY
	LOPEZ, JOSE A
1598	STIFF, DANIEL P
1612	DANT, CHRISTOPHER G
1613	SCHIRLE, JOAN A
1618	WOLD, ALAN L
1619	HAYNES, KENNETH E
1625	HERRINGTON, KELLY
1639	DAVIS, ROBERT J
1644	STEPAN, ROBERT
1650	BENTON, ANN L
1684	SHEENA, TARIK P
1685	GIBBS, BRADLEY M
1716	CITY SIDE MARKET

LEBARON AVE 2010

558	DIXON, CHRISTINE
	KHRUCCELL HANDYMAN SERV
563	GREEN, LEWIS
570	SOLIS, JUAN S
571	MCDONALD, TIMOTHY K
578	DANNI, L B
579	SHATA, R S
586	RAY, BEELER K
587	WELBY, HARRY G
588	WILLIAMS, JACKIE
590	HERNANDEZ, CRISTINA C
594	PUMFREY, ROBERT
595	BALLARD, RACHEL M
599	RAMIREZ, JOSE C
602	BRACY, STEVE
603	BARNES, MARCIE M
606	CUMBUS, ANDREA L
607	BURCHAM, JASON A
615	ALEXANDER, JEANNE L
626	SIFUENTES, PRISSILA
627	SHELTON, RANDL E
630	CUMMINGS, CHARLES J
640	PREVO, RAY H
641	DELALUZ, IGNACIA
645	VALLELUNGA, DAVID G
648	VALDEZ, MIKE
649	REDMOND, CORDELIA D
650	FARNUM, MARLYN
654	CRAWFORD, GERALD L
655	VARGAS, ROBERT J
658	GEHRKE, DONNA G
659	FELTON, CLARENCE L
663	LUNDY, GEORGE W
666	SANTOS, RITA L

LENOX AVE 2010

554	BARKELEY, GEORGE W
563	CRAWFORD, MICHAEL A
566	SILVER, ROBERT B
567	MOCZARSKI, NICOLE S
571	AGUINAGA, TARA J
575	MICU, FILOMENA F
578	MARTIN, SHELTON L
579	ORR, CARROLL T
583	CLARKE, SHAWN R
586	MODEST, CHRISTOPHER J
590	RODRIGUEZ, JOSE M
591	CADD, WILMER L
594	MA, ELVA
598	JOHNSON, CLINTON
599	BROWN, JOHN P
603	REECE, ERICA R
610	BASS, NIKITA M
618	GUERRERO, ROSALINDA
	LOPEZ, GUSTAVO
619	HOSLE, BOBBIE L
622	JACK, JESSICA
623	LADD, SHIRLEY A
634	GUTIERREZ-MATAMALA, RUBEN
635	ROSA, SANCHEZ
	SANCHEZ, ROSA
642	SMITH, KIM
643	LEE, LOY W
646	WATERS, RANDY A
650	MAJOR, BRANDON A
651	MCCLURE, WILLIAM A
654	REAMY, CARRIE L
662	TRUDEAU, DANIEL L
666	LANCE, ELROY

WESBROOK ST 2010

558	BROWN, CHARLES E
562	WORTHEN, BROWN
563	HINOJOSA, NICOLE Y
566	WEATHERSPOON, JACQUELINE R
567	OSLEY, STACI Y
570	THEAKSTON, D
574	MONAGHAN, KIP
575	MERO, CHERYL L
578	TENER, MICHAEL C
579	COAKLEY, SUZAN M
587	SCOTT, JUDY A
591	BRADSHAW, BRENDA M
594	NEWELL, MITCHEL
601	CURTON, WILLIAM C
602	RUSSELL, RICKEY D
603	KAZMIERCZAK, CHRIS J
620	KIMPSON, BOBBIE J
626	WOITYRA, MICHAEL J
627	GUNTZVILLER, KRISTEN J
630	KASDORF, GREG J
631	HALL, NANCY I
635	PRYOR, JOEL
638	HULBERT, CHERYL A
639	SEAY, COREY L
642	DAUL, CHRISTOPHER C
646	DOLL, STEVEN P
654	SANTOS, ELSA A
658	NELSON, DONNA J
659	MCGEE, ORA R
662	FRANTZ, GLEN R
666	SHELTON, STEVIE

JOSLYN AVE 2005

318	SPURLIN, PAMELA D
324	MANNING, MARY W
328	DUGAS, EULA M
331	WILSON, PAUL S
336	ANDERSON, COLLIN C
340	CRYSTAL WATER MANAGEMENT LLC
	EVANS, MARCELLA A
344	FLOWERS, JOHNNY M
345	MAHONE, KENNETH S
350	HORTON, CORA L
356	HARDIE, JACKIE D
357	GOLFSMITH
359	BURTON, ORLANDO C
360	SCRUGGS, ROBERT L
372	MANNING, LEONADUS B
375	JONES, ROBERT L
378	JOHNSON, KEITH J
395	FINLEY, MICHAEL L
400	WILKERSON, MARTIN
403	BRIDGES, VIRGIE L
	HOME DETAILS
408	HILLS, SABRINA B
413	HOLLIS, MARVIN
414	JORDAN, ERNESTINE
419	ANDERSON, JOSEPH S
420	WILLIAMS, QUINTON D
432	ADAMS, YALONDA
621	SCOTT, BRENDA L
625	GODDARD, HOWARD W
628	MCNEARY TOWING
631	GEIGER, CHARLES J
632	ZEIDIEH, OMAR M
635	MCINTYRE, JENNIFER L
641	RIDLEY, BETTINA A
642	YBARRA, ALFREDO W
645	PALCSAK, BRIAN J
648	MAYS, IVORY
652	MOORMAN, GERALD E
662	VINCI, SEAN
668	WILLIAMS, WANDA
680	MARTINEZ, JOSE J
684	MACIAS, LUIS E
688	CASTANEDA, YULIANA
692	SAUCEDO, MARIA E
704	CLARK, KAREN
708	MCCLUSTER, JUSTIN
712	HYPES, S
720	BANGUIL, WILTON
	JONES, K
728	STEPHENS, JANICE

JOSLYN AVE

2005

(Cont'd)

730 LOUNDON, ROSIE L
 734 PERKINS, EDGAR D
 740 MULLINS, MARK T
 760 LABORERS LOCAL 1076 LABORERS INTERNA
 777 BARTON MALOW
 GM POWERTRAIN GROUP
 816 DR TERRANCE HAYNES
 823 BARTON MALOW CO
 GENERAL MOTORS CORP
 SUPERIOR ELECTRIC GREAT LAKES
 827 GENERAL MOTORS CORP
 895 TGE GM WOMENS CLUB
 THE GM WOMENS CLUB
 942 HAMMERED STRINGS
 956 FATHER & SON CLEANERS
 1018 INGBER JEFFREY S DDS
 1028 APPLE REALTY
 1038 CITY GLASS CO INC
 1044 JOSLYN CHIROPRACTIC CENTER
 LEIGH E ELCESER DC
 1068 HENRY, RICHARD L
 1101 CELLSOURCE WIRELESS INC
 1106 JOSLYN AVENUE PRESBYTERIAN CHURCH
 1111 PONTIAC DOLLAR PLUS
 TOMMYS FOODS INC
 1133 ST PAUL INTERNATIONAL CHURCH
 1156 JACKSON, FLOSSIE L
 1196 SHOWERS OF BLESSING DELIVERANCE CHUR
 1210 GOODNOE, HUGH
 1220 POWERS, T
 1230 PITTMAN, ROGER
 1240 NEGRON, CARLOS L
 1251 ELECTRONIC DATA SYSTEMS CORP
 GENERAL MOTORS PARTS DIVISION
 PARTS
 1260 PAUL MATHEW INC
 1280 USF HOLLAND
 1368 BOSTICK GMC TRUCK CENTER
 1374 RENDER, FONDA E
 1376 BRADEN, MELISSA S
 1390 VAUGHAN, DEREK S
 1399 BOSTICK GMC COLLISION CENTER
 1416 4K ENTERPRISES LLC
 RICHARD L SCHALK CPA PC
 1430 JOSLYN BP
 1457 RAYNER, CHRIS C
 1481 IMAN, WILLIAM M
 1484 BRYANT, FRANCES
 1519 LAUINGER, CHARLES A
 1520 THAO, PHIA

JOSLYN AVE

2005

(Cont'd)

1528	FRYE, TONY R
1537	PHIFER, GEORGE A
1540	LAWN PRIDE LAWN SERVICE
1546	SPENCER, DALE C
1547	CORDOVA, DAVID M
1554	HARRISON, ROY C
1560	PINTAMO, DANIEL D
1566	RAMOS, AWILDA
1567	MANKE, JOANN M
1575	WALKER, JEREMY S
1576	CAMPBELL CONNECTION
	CAMPBELL, STEVEN R
1584	PLYE, LINDA K
1592	BOWKER, G
1593	LOPEZ, AMELIA B
1598	STIFF, ELIZABETH M
1612	POWELL, ELSIE
1613	SCHIRLE, THOMAS N
1618	WOLD, ALAN L
1619	HAYNES, KENNETH E
1625	HERRINGTON, KEITH L
1639	DAVIS, ROBERT J
1644	STEPAN, ROBERT
1650	BENTON, ANN L
1684	SHEENA, TARIK P
1685	GIBBS, BRADLEY M
1716	CITY SIDE MARKET

LEBARON AVE 2005

554	SIMS, CHARLES
558	CHANDLER, VALERIE A
563	BALLARD, JOHN D
566	KLOC, MARK R
570	CASTANEDA, JOSELITO
571	MCDONALD, TIMOTHY K
574	PACE, DERYL G
578	BURTON, DANNI L
579	SIMMONS, DERICK
586	BEELER, KENDALL R
590	PHILLIPS, ROCKY M
594	HERRIGES, ERIC R
598	ALLEN, CHARLOTTE N
599	RAMIREZ, JOSE C
602	BRACY, ANNETTE T
603	BARNES, LINDA E
606	DIBBLE, JENNIFER L
607	BURCHAM, JASON A
627	SHELTON, RANDL E
630	CUMMINGS, CHARLES J
636	ERGEN, JOHN R
640	PREVO, RAY H
641	THAO, MAI T
645	VALLELUNGA, BETHANN L
648	ELLSWORTH, HAROLD T
649	REDMOND, CORDELIA D
650	BOLDER, DAMIAN L
654	CRAWFORD, GERALD L
655	BAKER, JAMES A
658	PAYNE, DONALD J
659	HOOK, LEON H
662	DILLOW, DAVID W
663	LUNDY, GEORGE W

LENOX AVE 2005

554	BARKELEY, BEVERLY A
559	NEHL, MELISSA
560	HIGGINBOTHAM, ROSE L
563	CRAWFORD, MICHAEL A
566	MEEK, JAMES A
567	MOCZARSKI, NICOLAS C
571	DREHER, DOROTHY J
575	HELIX SOLUTIONS MICU, F F
578	BUSSEY, DONNA
579	ORR, CARROLL T
583	NEWCOMB, MARIE I
587	ELMY, CHRISTOPHER M
590	RODRIGUEZ, JOSE M
591	HOLMAN, KIMBERLY
594	GONZALEZ, EVERARDO
598	FENTON, STEVEN D
603	THOMPSON, AMY J
610	AMSHAY, ALPHONSO F
615	VERWAY, TIMOTHY A
618	PEREZ, GUADALUPE
619	HOSLE, BOBBIE L
623	LADD, SHIRLEY A
631	TAPLIN, JACKIE
634	GUTIERREZ-MATAMALA, RUBEN
642	COWELL, LARRY L
643	LEE, LOY W
646	WATERS, RANDY A
654	FELDMANN, KATRINA S
655	BARRETT, DEWAYNE E
662	TRUDEAU, DANIEL L
663	BENJAMIN, ROBERT L
666	MURILLO, ALEJANDRO

WESBROOK ST 2005

555	YEARGIN, ANDREA J
558	DOUGLAS, JASON M
562	BROWN, WORTHEN
563	HINOJOSA, NICOLE Y
566	VEGA, LUZ N
567	SMITH, REGINA
570	COX, THOMAS N
571	SORGI, ANGELA M
574	MONAGHAN, KIP
575	GALLOWAY, CHERYL L
578	COLEMAN, LANCE
579	COAKLEY, SUZAN M
583	MOYER, PATRICIA A
587	SCOTT, JUDY A
590	CHANCY, SANDRA L
591	ELLISON, CHARLENE
594	REIERSTAD, MARK R
595	MERSINO, LAWRENCE A
598	OSWALD, JON L
599	ABERNATHY, JACKIE R
601	CURTON, WILLIAM C
602	RUSSELL, RICKEY D
603	KAZMIERCZAK, CHRIS J
607	LAND, CHRISTOPHER J
620	KIMPSON, BOBBIE G
626	WOITYRA, MICHAEL J
627	HAGERMAN, BETH A
630	KASDORF, GREG J
631	MORGAN, SARAH A
634	GAST, BRUCE E
635	WATKINS, MIKE K
638	HULBERT, CHERYL A
639	SEAY, ROSS A
642	THURMOND, MELISSA L
643	WATKINS, TASHIBA
646	DOLL, STEVEN P
651	ARNETT, EMANUEL
654	SANTOS, ELSA A
658	NELSON, ERIC W
659	EPLEY, ERIC C
662	FRANTZ, GLEN R
666	WEBB, JAMES R
667	MANTURUK, CHESTER A

JOSLYN AVE 2000

318	ROBINSON, LULA
324	MANNING, MARY
328	DUGAS, EULA M
336	ANDERSON, COLLIN
340	EVANS, M
344	FLOWERS, JOHNNY M
345	MAHONE, VERDIA M
350	HORTON, CORA L
351	BARBARA, FRAZIER
359	BURTON, ORLANDO
360	SCRUGGS, R
372	MANNING, L
378	JOHNSON, K
400	WILKERSON, MARTIN
403	BRIDGES, VIRGIE
408	HILLS, P
413	WILLIAMS, CHARLES
419	ANDERSON, JOSEPH S
420	WILLIAMS, GAIL C
426	FRANK, LONDON J
628	SCHOENMAN, LINDA
631	STROMAN, J E
632	CONE, MARK E
635	MAYORGA, EVELYN
638	MAYA, FRANCES
641	TAYLOR, ANTONIO D
648	IVORY, MAYS
	MAYS, IVORY
	SMITH, JOHN
	WILLIAMS, STACY
658	PITTMAN, D
662	SPERRY, JAMES
665	KENTUCKY FRIED CHICKEN
680	GONZALEZ, BRAULIO
684	PETTIT, P
688	MATTHEWS, BARBARA J
692	ROSE, SHELVE
712	VENABLE, KIRA
716	DAVIS, H I
760	LABORERS LOCAL 1076 LABORERS INTERNATIONAL OF NORTH AMERICA
777	EDS GM POWERTRAIN
790	CHIEF PONTIAC FEDERAL CREDIT UNION
900	N BD
	NBD BANK SUBURBAN OFFICES
940	D WS BAR & GRILL
942	HAMMERED STRINGS MICHAEL RILEY
952	JOSLYN MARKET
956	FATHER & SON CLEANERS
1004	CANTARELLA & ASSOCIATES PC
1018	HOYT BIRNEY DDS

JOSLYN AVE

2000

(Cont'd)

1018 INGBER JEFFREY S DDS
 JOSLYN DENTAL CLINIC
 LEONE PETER MS DDS
 METROPOLITAN DENTAL CENTERS
 PINKERTON SECURITY & INVESTIGATION SERVICES
 SILVER JOEL H DDS OFFICE
 1038 CITY GLASS SERVICE
 1044 JOSLYN CHIROPRACTIC CENTER
 1059 VICTORIAS KITCHEN
 1068 HENRY, RICHARD L
 1101 GILES RICHARD INS
 STATE FARM INSURANCE COMPANIES AGENTS
 1106 JOSLYN AVENUE PRESBYTERIAN CHURCH
 1111 UNIVERSITY CHIROPRACTIC CLINIC
 1133 LUTHERAN ECONOMY CENTER
 ST PAUL LUTHERAN PRE SCHOOL
 1156 JACKSON, FLOSSIE L
 1188 SHELLEYS CONEY
 1210 HILBORN, M
 1220 TALBOT, J H
 1251 SERVICE PARTS OPERATIONS GENERAL MOTORS GENERAL MOTORS CORPO
 SERVICE PARTS OPERATIONS GENERAL PONTIAC PARTS PLT
 1255 LAKE ORION COMMUNITY SCHOOLS ORION OAKS ELEM SCHOOL
 1368 BOSTICK GMC TRUCK CENTER
 J & A SPRING & TIRES INCORPORATED
 1374 EDENS, PAUL
 1376 WERTZ, ROBERT J
 1390 BARON, ELYSIA
 KIMBALL, JAYSON
 1416 VARTY & SCHALK PC
 1430 DUNKIN DONUTS
 JOSLYN SHELL STATION
 1481 IMAN, WILLIAM M
 1484 RAVENSCROFT, BRUCE
 1517 FREEMAN, JOHN D
 HARVEST LAND MINISTRIES WORLD OUTREACH CENTER
 1519 LAUINGER, CHARLES A
 1520 CARTER, ALICE
 1528 FRYE, TONY R
 1540 LAWN PRIDE LAWN SERVICE & SNOW PLOWING
 SIBEL, WESLEY
 1547 LABARGE, FRANCIS D
 1554 HARRISON, ROY C
 1560 PINTAMO, C J
 1566 MOUSER, SANDRA L
 1575 WALKER, JEREMY S
 1576 CAMPBELL, STEVEN R
 1584 PYLE, ERNIE W
 1592 BOWKER, RUSSELL
 1612 POWELL, MCCOY E

JOSLYN AVE**2000****(Cont'd)**

1613	SCHIRLE, THOMAS
1618	WOLD, ALAN
1619	HAYNES, KENNETH E
1625	GABRIEL, CHERYL D
1639	DAVIS, ROBERT J
1644	STEPANCHENKO, IRENE
1684	TEDDER, CORRINE
1685	GIBBS, BRADLEY
1716	A & P COMMUNICATIONS INCORPORATED
	CITY SIDE MARKET

LEBARON AVE 2000

554	MULLER, JOHN
558	TAPLIN, LARRY
563	EVANOFF, STEVE
570	GUTIERREZ, A
571	MCDONALD, TIMOTHY
574	PACE, DERYL G
578	BURTON, DANNI
582	VILLABOL, BRIDGET
586	TUCKER, JEFFERY
587	WELBY, HARRY G
590	STEELMAN, ELEANOR
594	SACKRIDER, BRENDA
595	DECKER, BONNIE
598	ALLEN, C
602	BRACY, ANNETTE
603	BARNES, LINDA E
606	GUNN, TOMMY
607	LADISKI, JASON
610	TREVINO, RAY J
611	LOUDEN, CHERYL J
627	RANDL, SHELTON E
630	CUMMINGS, CHARLES
636	DEVENNE, DAVID D
640	GRIGGS, LINDA A
645	PHILLIP, V A
649	DAYNER, HAROLD
650	BLUE, DEWANE E
654	CRAWFORD, AMY
655	WHITE, ALICE
658	PAYNE, NOVA L
659	HOOK, LEON
662	DILLOW, D
663	LUNDY, PEGGY S
667	HOLLIS, S

LENOX AVE 2000

554	BARKELEY, GEORGE W
559	KING, HELEN
563	CRAWFORD, MICHAEL
567	MOCZARSKI, NICOLAS
571	TYSON, JOHN W
575	MICU, F F
579	ORR, CARROLL
583	NEWCOMB, MARIE I
586	CLEMINGS, HENRY
587	ELMY, BEVERLY M
594	GONZALEZ, E
595	D M R SOUL FOOD DELIVERY
	ROBERTSON, KEITH D
598	FENTON, STEVEN D
599	TIPPETT, RANDY
603	DWANDA, M L
610	AMSHAY, ALPHONS
614	WALKER, BILLY
615	HAMDEN, MICHAEL L
619	HOSLER, BOBBIE
622	DOCKHAM, JEAN M
623	LADD, SHIRLEY A
631	RODRIGUEZ, LUIS
635	JAMES, MARK
646	WATERS, RANDY
651	MADISONLAVERNE, HAYNES
654	TOWNES, CAROL A
655	HOWARD, R
662	TRUDEAU, DANIEL
663	BENJAMIN, ROBERT
666	CARROLL, JEAN S

WESBROOK ST 2000

555	BOWEN, KELLEY
562	PORTICE, ROGER W
563	PETTIBONE, ROGER J
566	ROMAN, JUANITA
567	WATKINS, C
570	COX, THOMAS N
571	BISCOVICH, J
579	COAKLEY, SUZAN
583	SEARS, P
587	REYES, JODIE
590	FEARSON, DAVID
591	SHORTERS, DARWIN K
594	REIERSTAD, MARK
595	JACKSON, PANDORA
598	NELSON, INGER L
599	ABERNATHY, JACKIE
602	RUSSELL, RICK
603	KAZMIERCZAK, CHRIS
607	LAND, C J
620	KIMPSON, BOBBIE G
627	KEGLER, SALLY A
630	KASDORF, GREG
631	MORGAN, TONI
634	SEGURA, ELVIRA
635	FRENCH, KIESHA L
638	BEELER, NANCY
639	SEAY, ROSS
642	THURMOND, MELISSA
643	GRATOPP, PAUL A
646	DOLL, JANE
651	NAVARRO, LILLY
658	DONNA, NELSON J
659	EPLEY, ERIC C
662	FRANTZ, GLEN R
663	HERNANDEZ, VICKY L
666	MULDOWNEY, JENNI

JOSLYN AVE 1995

318	ROBINSON, LULA
324	MANNING, MARY
328	GOODENOUGH, EULA M
331	OCCUPANT UNKNOWNNN
336	ANDERSON, COLLIN
340	EVANS, M
344	FLOWERS, JOHNNY M
350	HORTON, CORA L
351	HARRIS, M A
359	BURTON, ORLANDO
360	SCRUGGS, R
365	HARRIS, ERNEST
366	BONIS, MIEA
372	MANNING, L
378	JOHNSON, KEITH
395	BROOKS, TASHA J
400	OCCUPANT UNKNOWNNN
403	ALEXANDER, JACK B
408	PAULING, SABRINA
412	OCCUPANT UNKNOWNNN
413	WILLIAMS, CHARLES JR
414	JORDAN, MICHAEL D
419	OCCUPANT UNKNOWNNN
420	OCCUPANT UNKNOWNNN
426	FRANK, LONDON J
432	BOYD, BERTHA
433	OCCUPANT UNKNOWNNN
435	MARTIN, DAVID
449	BOWMAN, CONLEY
454	HOOVER, MIKE
464	GRIFFITHS, JOHN
494	TEAGUE, TOM
497	OCCUPANT UNKNOWNNN
501	HAGBERG, T
504	HENRY, MATT
508	OCCUPANT UNKNOWNNN
551	OCCUPANT UNKNOWNNN
561	KHAN, SHAKIL
570	OLDS, WILLIAM H
589	FARMER, WILLIAM A
597	SPICER, R D
621	OCCUPANT UNKNOWNNN
625	OCCUPANT UNKNOWNNN
626	OCCUPANT UNKNOWNNN
628	PETTIT, STEPHEN
631	VAUGHN, ROBERT
632	OCCUPANT UNKNOWNNN
638	DART, SEELY C
641	POLO, OMayRA
642	OCCUPANT UNKNOWNNN

JOSLYN AVE

1995

(Cont'd)

645	PALCSAK, BRIAN J
648	OCCUPANT UNKNOWNN
662	SHEPHARD, A
665	KFC CORP
668	OCCUPANT UNKNOWNN
677	SIRVAITIS, JOHN
680	BANUELOS, MARIA
681	DISHMAN, CRAIG
684	OCCUPANT UNKNOWNN
688	RIVERA, RESUJIO
692	ICCN
	TILLERY, GEORGE
700	VAJCNER, RY J
701	SHIREEN, DONALD H
704	RODRIGUEZ, GLORIA
712	PITTMAN, MICHAEL
727	LOCKLEAR, R
728	HARMON, VERDELL H
734	PERKINS, EDGAR D
740	STEWART, AELONN
760	LABORERS LOCAL 1076
790	CHIEF PONTIAC FEDERAL CU
836	NOONAN, JEFFRY
854	OCCUPANT UNKNOWNN
880	ERICKSON, RONALD L
890	DIRVEN, DAVID
895	GENERAL MOTORS POWERTRAIN GRP
900	NBD BANK
	SCHRAM, MARK C
905	JOHNSTONE, WESLEY
909	GUINN, B
918	TOMANEK, THOMAS N
919	GUINN, JOSEPH JR
	MORRIS, DAVID
925	OCCUPANT UNKNOWNN
938	KOVAR, EDWARD R
942	HAMMERED STRINGS MICHAEL RILEY
	STENNETT, WAYNE
952	JOSLYN DELI
956	FATHER & SON CLEANERS
974	FRONT PAGE BOOK STORE
990	WALTER P REUTHER SENIOR CTR
1004	CANTARELLA & WILHELMI
	KEVIN M WILHELMI
	WILHELMI, KEVIN
1006	FROEDE DESIGN CO
1018	CZAPSKI DENTAL CERAMICS INC
	DANIEL SAHUTSKE DDS
	GUITY RABBANI DDS
	JEFFREY S INGBER DDS

JOSLYN AVE

1995

(Cont'd)

1018 MARK WOLFSON DDS
 METROPOLITAN DENTAL CTR
 SAHUTSKE, DANIEL
 SILVER INGBER & SHUSTER
 1028 ARCHAMBEAU, BENOIT
 COLBURN CHIROPRACTIC CLINIC
 1038 CITY GLASS SVC
 1044 JOSLYN CHIROPRACTIC OFFICE
 OCCUPANT UNKNOWNNN
 POSTURE SUPPORT SYSTEMS INC
 1059 HELENS KITCHEN
 1068 HENRY, RICHARD L
 1101 GILES, RICHARD
 STATE FARM INSURANCE
 1106 JOSLYN AVENUE PRESBYTERIAN CHR
 1107 WILLIAM WRIGHT UPHOLSTERERS
 WRIGHT, WILLIAM
 1109 VIDEO TOWN
 1124 SHARPES PARTY STORE
 1133 LUTHERAN ECONOMY CTR
 ST PAUL LUTHERAN CHURCH
 1156 JACKSON, MARTIN
 1170 FAMILY AUTO SVC
 1196 WORD OF LIFE CHRISTIAN CHURCH
 1210 HILBORN, M
 1220 OCCUPANT UNKNOWNNN
 1230 WAINWRIGHT, CARL
 1240 OCCUPANT UNKNOWNNN
 1251 SERVICE PARTS OPERATIONS GEN
 1260 HOP IN FOOD STORE
 1368 BOSTICK GMC TRUCK CTR
 J & A SPRING & TIRES INC
 1374 JAHNKE, KENNETH
 1376 BLEVINS, JERRY
 1390 OCCUPANT UNKNOWNNN
 1430 WALTON & JOSLYN STANDARD STA
 1448 WAYNE TIRE CO
 1457 MARSHALL, IVAN
 1481 IMAN, WILLIAM M
 1517 FIRST OPEN BIBLE CHURCH
 FREEMAN, JOHN B
 1519 LAUINGER, CHARLES A
 1520 CARTER, HUBERT D
 1528 FRYE, TONY R
 1537 PHIFER, GEORGE
 1540 HELTMAN, JOHN F
 1546 SPENCER, DALE C
 1547 LABARGE, FRANCIS D
 1554 HARRISON, ROY C
 1557 WEBER, JOHN M

JOSLYN AVE

1995

(Cont'd)

1560	PINTAMO, DANIEL
1566	CAPTON, KENNETH
1567	MANKE, GLENN E
1575	OTTO, CHARLES
1576	CAMPBELL, STEVEN
1584	PYLE, ERNIE W
1592	DAVIS, G
1598	STIFF, E M
1613	SCHIRLE, THOMAS N
1618	GEETER, MICHAEL
1619	OCCUPANT UNKNOWNN
1625	HERRINGTON, KEITH
1630	JAMES J MCCARTHY
	MCCARTHY, JAMES J
1639	DAVIS, ROBERT J
1644	STEPAN, ROBERT
1685	GIBBS, BRAD
1690	OCCUPANT UNKNOWNN
1716	CITY SIDE MARKET

LEBARON AVE 1995

554	COOK, JANET
558	TAPLIN, LARRY
563	EVANOFF, STEVE
566	OCCUPANT UNKNOWNNN
570	OCCUPANT UNKNOWNNN
571	HARRISON, JOAN
574	OCCUPANT UNKNOWNNN
578	OCCUPANT UNKNOWNNN
579	OCCUPANT UNKNOWNNN
582	OCCUPANT UNKNOWNNN
586	LAMSON, PAMELA
587	OCCUPANT UNKNOWNNN
590	STEELMAN, CHARLES
594	OCCUPANT UNKNOWNNN
595	OCCUPANT UNKNOWNNN
598	OCCUPANT UNKNOWNNN
599	OCCUPANT UNKNOWNNN
602	ALLEN, ELLIS
603	BARNES, WILLIAM
606	OCCUPANT UNKNOWNNN
607	OCCUPANT UNKNOWNNN
610	VALDERAS, ERNESTO
611	WALLO, MICHAEL A
615	OCCUPANT UNKNOWNNN
626	ANDREWS, ROY
627	OCCUPANT UNKNOWNNN
630	PATTERSON, MICHAEL
636	VANDEVENNE, DAVID
640	OCCUPANT UNKNOWNNN
641	HYLLA, STEVEN
645	OCCUPANT UNKNOWNNN
648	BERNIA, KIM
649	DAYNER, HAROLD
650	NOEL, N
654	OCCUPANT UNKNOWNNN
655	WHITE, ALICE
658	CARGILL, RICHARD P
659	HOOK, LEON
662	DILLOW, TANYA
663	OCCUPANT UNKNOWNNN
666	PECKHAM, JOSEPH
667	BURCH, DEWEY

LENOX AVE 1995

554	BARKELEY, GEORGE W
559	OCCUPANT UNKNOWNNN
563	CRAWFORD, MICHAEL
566	COLLISON, CURTIS F
567	CATALINA PAINTING
	MOCZARSKI, CHESTER
571	OCCUPANT UNKNOWNNN
578	BUSSEY, R
579	ZIELINSKI, RICHARD W
583	NEWCOMB, WAYNE
586	HEATHERLY, JUDY
587	OCCUPANT UNKNOWNNN
590	GORINAC, JANE
591	OCCUPANT UNKNOWNNN
594	OCCUPANT UNKNOWNNN
595	OCCUPANT UNKNOWNNN
598	OCCUPANT UNKNOWNNN
599	TIPPETT, RANDY
603	OCCUPANT UNKNOWNNN
610	AMSHAY, A
614	BLACKWELL, DEBBIE
615	OCCUPANT UNKNOWNNN
618	OCCUPANT UNKNOWNNN
619	HOSLE, BOBBIE
622	OCCUPANT UNKNOWNNN
623	LADD, SHIRLEY A
631	RODIGUEZ, WILDA
634	OCCUPANT UNKNOWNNN
635	BRALEY, MARY P
638	BRUNETTE, DAVID
	CRAWLEY, KENNETH
	DEVENTER, SANDY V
642	PAULSON, MARY
646	MANNINO, J
650	ALEXANDER, JAMES M
654	JENNINGS, P
662	OCCUPANT UNKNOWNNN
663	BENJAMIN, ROBERT
666	OCCUPANT UNKNOWNNN

WESBROOK ST 1995

558	PEOPLES, NORMA
562	PORTICE, ROGER W
563	OCCUPANT UNKNOWNNN
566	ROMAN, JUANITA
567	OCCUPANT UNKNOWNNN
570	KREGER, RUSSELL S
571	BISCOVICH, CONNIE S
574	CORLEW, AL
575	OCCUPANT UNKNOWNNN
578	COLEMAN, WILLIAM L
583	MOYER, P
587	OCCUPANT UNKNOWNNN
590	OCCUPANT UNKNOWNNN
591	BURT, BRIAN
594	ORR, KIM
595	OCCUPANT UNKNOWNNN
598	WEICHE, JAMES
599	ABERNATHY, JACKIE
601	CURTON, WILLIAM
602	RUSSELL, RICK
603	RAMOS, JORGE
607	WALSH, WALTER H
620	OCCUPANT UNKNOWNNN
626	NERANTZAKIS, MARY
627	OCCUPANT UNKNOWNNN
630	OCCUPANT UNKNOWNNN
631	MORGAN, SARAH A
634	WERTZ, WILLIAM H
635	OCCUPANT UNKNOWNNN
636	OCCUPANT UNKNOWNNN
638	BEELER, KEVIN A
639	SEAY, ROSS
642	OCCUPANT UNKNOWNNN
643	OCCUPANT UNKNOWNNN
646	DOLL, J
651	HYLLA, DORIS E
654	GONZALEZ, ELSA
658	OCCUPANT UNKNOWNNN
659	OCCUPANT UNKNOWNNN
662	FRANTZ, GLEN R
663	HERNANDEZ, VICKY L
666	BAKER, LOIS

JOSLYN AVE 1992

318	ROBINSON, LULA
324	MANNING, MARY
331	SMITH, L C
336	ANDERSON, COLLIN
340	POWELL, ARCHIE
350	HORTON, CORA L
359	BURTON, ORLANDO
372	MANNING, L
395	DANSBY, ENERICK
400	WILKERSON, MARTIN
403	ALEXANDER, JACK B
419	JONES, ROSA L
426	FRANK, LONDON J
433	THEOBALD, JOHN D
435	MARTIN, DAVID
449	BOWMAN, CONLEY
454	HOOVER, MIKE
464	GRIFFITHS, JOHN
494	TEAGUE, TOM
501	HAGBERG, T
504	HENRY, MATT
508	GRANT, A L
551	DOCKTER, KIRK
561	KHAN, SHAKIL
570	OLDS, WILLIAM H
589	FARMER, WILLIAM A
597	SPICER, R D
626	TURNER, ROBERT
631	VAUGHN, ROBERT
638	DART, SEELY C
645	PALCSAK, BRIAN J
662	SHEPHARD, A
665	KENTUCKY FRD CHCKN
677	RENTERIA, L V
681	DISHMAN, CRAIG
701	SHIREEN, DONALD H
727	TIMMERMAN, SANDRA
760	LABORS LC 1076 AFL
790	CHIEF PONTIAC CRED
836	NOONAN, JEFFRY
854	OSBORN, ALLEN
880	ERICKSON, RONALD L
890	DIRVEN, DAVID
900	NBD
905	JOHNSTONE, WESLEY
909	GUINN, B
918	TOMANEK, THOMAS N
919	LIQUIA, STEVE
938	KOVAR, EDWARD R
952	JOSLYN MARKET

JOSLYN AVE

1992

(Cont'd)

956	FATHER&SON CLNRS
1004	CANTARELLA&ASSOC
	J CANTARELLA ATY
	K WILHELMI ATY
	KEVIN WILHELMI ATY
	L F DAHLGREN ATY
1006	FRED A FROEDE
	FROEDE DESIGN CO
	FROEDE, FRED A
1018	DR DAVID SADOWSKI
	DR HAROLD I BUSSEY
	DR J LOVEQUIST
	DR J S INGBER
	DR JAMES GINZLER
	DR JOEL H SILVER
	DR M S WEISHAUS
	DR MAX D GOTTESMAN
	JOSLYN DENTAL CLNC
	METRPLTN DENTL CTR
	PON EYE CLINIC
1038	CITY GLASS SERVICE
1044	DR S J SCAFIDI
	JOSLYN CHIROPRACT
	POSTURE SPPRT SYS
	SCAFIDI, S J
1068	HENRY, RICHARD L
1101	GILES, RICHARD
	RICHARD GILES INS
	STATE FARM INS CO
1106	JOSLYN AV UN PRSBY
1124	SHARPES PARTY STRE
1133	LUTHRN ECONOMY CTR
	SPLC PRE-SCHOOL
	ST PAUL LTHRN CH
1156	JACKSON, MARTIN
1170	FRANK&BERNIES AUTO
1188	T&H HARDWARE
1196	DELIVERANCE CHURCH
1251	SRV PRTS OPRTNS GM
1260	HOP IN MICH
	HOP-IN
1368	J&A SPRING REBLDRS
1374	MALKIM, EDSEL W
1390	RENNIE, J
1416	DR M STERN
	DR R L BIGMAN
	OAKLND MED CLINIC
1430	WALTON&JOSLYN STND
1457	MARSHALL, IVAN
1481	IMAN, WILLIAM M

JOSLYN AVE

1992

(Cont'd)

1517	FREEMAN, JOHN B
	REV J D FREEMAN
1519	LAUNGER, CHARLES A
1520	CARTER, HUBERT D
1540	LAMPHERE, ROBERT
1546	SPENCER, DALE C
1547	LABARGE, FRANCIS D
1554	HARRISON, ROY C
1560	PINTAMO, DANIEL
1618	WILSON, DARWIN
1625	HERRINGTON, KEITH
1630	JEHOVAHS WITNESSES
1639	DAVIS, ROBERT J
1685	STEEN, D
1690	WEAVER, WILLIE
1716	CITY SIDE MARKET

LEBARON AVE 1992

554	MULLER, A S
558	TAPLIN, LARRY
563	EVANOFF, STEVE
570	EBERHARD, ROBERT
571	TROSPER, P D
579	LITTLE, DAVE
595	WALENCIK, SUE
610	CORPE, DONALD
611	DAVES, MICHAEL
615	MURRAY, EDWIN L
627	SHELTON, RANDL
649	DAYNER, HAROLD
650	MONTES, K
654	CRAWFORD, GERALD L
655	CAMPBELL, ALICE
658	CARGILL, RICHARD P
662	MEADE, DAVID
667	BEAN, BRONSON

LENOX AVE 1992

554	BARKELEY, GEORGE W
563	CRAWFORD, MICHAEL
566	COLLISON, CHARLES F
567	CATALINA PAINTING
	MOCZARSKI, CHESTER
578	LE, TRUNG N
583	NEWCOMB, WAYNE
590	BAKER, ELSIE
	RAPER, VICTOR G
598	AUSTIN, WALDO C
603	MCDONALD, LEO D
610	AMSHAY, A
619	HOSLE, BOBBIE
623	LADD, PAUL L
631	FLIPPO, FRANK
638	CRAWLEY, KENNETH
650	ALEXANDER, JAMES M
663	BENJAMIN, ROBERT

WESBROOK ST 1992

562	PORTICE, ROGER W
567	FORESTER, JOHN W
578	COLEMAN, LINDA C
583	MOYER, P
590	ELMY, RONALD J
594	JEZIORSKI, SIGMUND
601	CURTON, WILLIAM
602	WOODS, VAUGHN D
607	WALSH, WALTER H
627	KEGLER, SALLY A
630	WRIGHT, ANDREW W
631	MORGAN, TAMMIE
634	WERTZ, WILLIAM H
638	BEELE, SHERMAN
654	MUNSON, JOE
662	FRANTZ, G R

JOSLYN AVE 1987

JOSLYN AVE		
..... 48058		
300-	699 T 1089	\$E**C13
700-	1799 T 1087	\$E**B13
318	LULA ROBINSON	3355493
324	MARY MANNING	3348358
328		NP
331	L C SMITH	3346071
336	ELAINE ANDERSON	5 3344132
340		NP
350	CORA L HORTON	3359112
351		NP
359	ORLANDO BURTON	3347928
366	370	NP
372	LEONADUS MANNING	3381806
375		NP
378	CARL PRYOR	3351217
	TRACI PRYOR	6 3358088
395	HENRY L CHANDLER	3356905
400	MARY LEE WILKERSON	3350331
403	JACK B ALEXANDER	3383181
408	CHERYL CLAY	3351629
	S PAULING	5 3356037
413	414	NP
419	ROSA LEE JONES	3340265
420		NP
426	LONDON J FRANK	3389030
432	621 625 628	NP
631	ROBERT VAUGHN	0 3325244
632	635	NP
638	SEELY C DART	3358916
641	T JACKSON	6 3349494
642		NP
645	BRIAN J PALCSAK	3 3349370
648	651 652 658	NP
662	A SHEPHARD	3380738
663		NP
665	KENTUCKY FRD CHCKN	3321740
668	724 730 734	NP
740		NP
760	*FIRST AMER BANK	8575740
790	*CHIEF PONTIAC CRED	3359493
900	*PONTIAC ST BANK	8575906
..... 48055		
940*		NP
952*	JOSLYN MARKET	3342120
956*	FATHER&SON CLNRS	3389209
974*	FRONT PAGE BK CNTR	8589718
990*	UNITED AUO WORKER	3349917
1000*	PULTE CONSTRUCTION	3343740
1004*	J CANTARELLA ATY	8587977
1006*	FROEDE DESIGN CO	3382505
	*FRED A FROEDE	3382505
1018*	DR HAROLD I BUSSEY	8582223
	*DR G B GASTWIRTH	3356123
	*DR JAMES GINZLER	3337831
	*DR MAX D GOTTESMAN	8582223
	*DR DENNIS GREEN	3356123
	*DR J S INGBER	3337831
	*JOSLYN DENTAL CLNC	3337831
	*METROPOLTN DENTAL	3333383
	*METRPLTN DENTL CTR	3337831
	*PON EYE CLINIC	8582223
	*DR RALPH W REED	3356123
	*DR MARK SHAIN	3337831
	*DR ALLEN J SHUSTER	3337831
	*DR MINDY SIEGEL	3337831
	*DR JOEL H SILVER	3337831
	*TRI-CO FMLY PODIT	3356123
	*DR M S WEISHAUS	8582223
1028*	DR H H ALEXANDER	3320111
	*DR GARY L COX	3320111
	*JOSLYN CHIROPRACT	3320111
	*POSTURE SPPRT SYS	3347378
	*DR SAL SCAFIDI	3320111
	*DR SCOTT SCAFIDI	3320111
1038*	CITY GLASS SERVICE	3337035
1059*	COYLES TASTY JOY	3347070
1068	RICHARD L HENRY	3350118

JOSLYN AVE 1987

.....		48055
1073*	NP	
1101*	RICHARD GILES	3346921
	*STATE FARM INS CO	3346921
1106*	JOSLYN AV UN PRSBY	3357961
1107*	JO-ANGELAS PIZZA	3348686
1109*	PASSTIME VIDEO	□3321771
1111*	JOSLYN HAIR STUDIO	3381601
1124*	SHARPES PARTY STRE	3349690
1133*	LUTHERAN ECNMY CTR	3388530
	*ST PAUL LUTHERAN	3388618
	*ST PAUL NURSERY	3388618
	*ST PAUL LUTH NRS S	3388618
1140	NP	
1156	MARTIN JACKSON	3352590
1170*	ONE STOP AUTO REPR	3320070
1188*	T H HARDWARE	3350870
1196*	DELIVERANCE CHURCH	3381041
1210 1220 1230 1240	NP	
1251*	G M PARTS DIV	8589630
	*G M PARTS DIV	8589632
	*GEN MTRS WRHSE&DIS	□8573500
	*HME CONTRCTNG INC	□3324956
	*KING-WAY	□3384224
1260*	JET MART	3387780
1280*	ANCHOR MTR FRT INC	4529040
1368*	J&A SPRING REBLDRS	3736100
1374	EDSEL W MALKIM	3730027
1376	NP	
1390	H THOMAS RILEY	3731185
1416*	DR RONALD L BIGMAN	3737500
	*OAKLND MED CLINIC	3737500
	*DR M STERN	3737500
1430*	WALTON&JOSLYN STA	3731776
1457	IVAN MARSHALL	3350728
1481	ERNEST GARNETT	5 3389314
1484	NP	
1517*	FIRST OPEN BIBL CH	3380257
1519	CHARLES A LAUINGER	3355892
1520	HUBERT D CARTER	3736930
1528	NP	
1537	TARLTON R SMALL	3349169
1540	WALTER LAMPHERE	3730766
1546	DALE C SPENCER	1 3735225
1547	FRANCIS D LABARGE	3321725
1554	ROY C HARRISON	3730133
1557	NP	
1560	DANIEL PINTAMO	3730097
1566	NP	
1567	JOHN J ALCINI JR	5 3382063
1576	PHILLIP FLICK	6 3736495
1584 1592 1612 1613	NP	
1618	DARWIN WILSON	3731719
1625	KEITH HERRINGTON	6 3358022
1630*	JEHOVAHS WITNESSES	3730211
1639	ROBERT J DAVIS	3320566
1644	NP	
1684	HUGH B ENGLAND	3731563
1685	NP	
1690	WILLIE WEAVER	2 3735131
1716*	CITY SIDE MARKET	3730377
84 RESIDENCE	68 BUSINESS	

LEBARON AVE 1987

● LE BARON AVE

●●	500- 699 T 1087	48058
554	MCKINLEY CLAWSON	\$E●●B13 3388481
	A S MULLER	3347839
558	LARRY TAPLIN	3 3358086
563	STEVE EVANOFF	3345046
566	CHARLES W ESRALIAN	3348147
570	NP	
571	TERRY MOORE	4 3388493
574	ALLEN C MORRIS	3326915
578	THOMAS LEREFORD	5 3337219
579	DAVE LITTLE	-3328736
	DON LITTLE	-3328736
582	F O SALLEE	3326574
586	NP	
587	V M COMPS	□3350788
590	594	NP
595	ELTON C LOSEY	3344471
598	TODD JONES	0 3388371
599	602 603	NP
606	JOHNNY ASHLEY	3 3343052
607	NP	
610	DEONNA VITALE	□3350127
611	MICHAEL DAVES	□3347619
615	EDWIN L MURRAY	5 3343925
626	ROY ANDREWS	3330927
627	WILLIAM JOHNSON	□3322974
630	NP	
636	D J CARLINE	3358732
640	GEORGE M JABRO	1 3329691
645	NP	
648	WILLIAM ROBINSON	3382428
649	HAROLD DAYNER	3342940
650	KIMBERLY MONTES	4 3342261
654	GERALD L CRAWFORD	3384943
655	ALICE CAMPBELL	9 3324658
658	RICHARD P CARGILL	3 3341843
659	NP	
662	NEAL MCCOLLUM	-3351171
663	666	NP
667	BRONSON BEAN	3382876
	43 RESIDENCE	

LENOX AVE 1987

● LENOX

..... 48058
 ●● 500- 699 T 1087 \$E●●B13
 554 GEORGE W BARKELEY 3328614
 559 WILLIAM L HUGHES 3 3357278
 560 NP
 563 MICHAEL A CRAWFORD2 3356236
 B LONG 6 3337090
 566 C F COLLISON 3321316
 567* CATALINA PAINTING □3332923
 CHESTER MOCZARSKI 3381434
 571 CLARE J CRAWFORD 4 3340359
 575 NP
 578 NGHIA LETRUNG 3326502
 579 CARROLL ORR 3357182
 583 WAYNE NEWCOMB 3342123
 586 NP
 587 MICHAEL ELMY 4 3337677
 590 ELSIE BAKER 3 3351457
 VICTOR G RAPER 3 3351457
 591 NP
 594 HARRY W TRUXTON 6 3351258
 595 NP
 598 WALDO C AUSTIN 3341230
 599 NP
 603 LEO D MCDONALD 3383542
 610 ALPHONSO AMSHAY 3353740
 614 615 NP
 618 ROBERT L ASPLUND 9 3327856
 619 BOBBIE HOSLE □3321561
 622 PHILIP LOWTHER 5 3357501
 623 PAUL L LADD 3356306
 631 FRANK FLIPPO 3349700
 634 NP
 635 BASIL BRALEY □3347954
 MRS LUTHER BRALEY 3325458
 638 KENNETH CRAWLEY 3325258
 642 KATHLEEN BARNETT □3354503
 643 646 NP
 650 JAMES M ALEXANDER 9 3353053
 654 662 NP
 663 ROBERT BENJAMIN 6 3325286
 666 NP
 42 RESIDENCE 1 BUSINESS

WESBROOK ST 1987

● WESBROOK AVE

● ●	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	48058
555	500- 699 T 1087	\$E ● ● B 13
558	RONALD COLEMAN	NP 4 3325063
562	ROGER W PORTICE	3386913
563	566	NP

WESBROOK ST 1987

567	JOHN W FORESTER		3340798
570	571	NP	
574	M RICHTER		-3352416
575		NP	
578	WILLIAM COLEMAN		3359131
579		NP	
583	P MOYER		3358572
587	590 591	NP	
594	SIGMUND JEZIORSKI		3340452
595		NP	
598	JAMES B STALEY	II	3329305
599	LOUISE M KAREIN		3355109
601		NP	
602	VAUGHN D WOODS	6	3323477
603		NP	
607	WALTER H WALSH		3320314
620	626 627	NP	
630	ANDREW W WRIGHT		3340821
631	TAMMIE MORGAN	6	3356356
634	WILLIAM H WERTZ		3320776
635		NP	
638	SHERMAN BEELER		3321087
639	PAMELA CRONK	□	3353094
642	JAMES H BRUCE	0	3328271
643	CHRISTINE NELSON	5	3324746
	P A SHORE	6	3322470
646	J DOLL	□	3325211
654	JOE MUNSON		3384954
658	D NELSON	5	3382486
659	JOHN BLANCHARD	0	3359683
662	G R FRANTZ	6	3382051
663		NP	
666	KENNETH KIPER	3	3359239
667		NP	
	44 RESIDENCE		

JOSLYN AVE 1983

378	CARL PRYOR	6	48058
395	HENRY L CHANDLER		3351217
400	MARY LEE WILKERSON		3356905
403	MARY LEE WILKERSON		3350331
408	JACK B ALEXANDER		3383181
413	TIMOTHY PAULING	1	3356037
419	ROSA LEE JONES	NP	3346915
420		NP	
426	LONDON J FRANK		3384893
432	LONDON J FRANK		3389030
621	BERTHA BOYD	9	3352009
625	ROBERT VAUGHN	NP	0 3325244
628		NP	
631	HELENE FALK		3353269
632	635	NP	
638	SEELY C DART		3358916
641	MANUEL DIAZ	2	3383202
642		NP	
645	BRIAN J PALCSAK		33349370
648	651	NP	
652	ROBERT K JACOBS		3347729
658	662 663	NP	
665	*KENTUCKY FRD CHCKN		3321740
668	724	NP	
730	C HOEFELMEYER		33582559
734	JOHN C WARGEL		3342102
740	LEWIS W ELLIS		3324445
760	*COMMNTY NTL 8ANK		8575740
790	*CHIEF PONTIAC CRED		3359493
900	*PONTIAC STATE 8ANK		8575906
940		NP	48055
952	*JOSLYN MARKET		3342120
956	*FATHER&SON CLNRS		3389209
960	*CHANDLERS 8RBR SHP		3383122
962	*FRANKLIN MNGT INC		3387373
	*WORKERS CLINC PON		3387373
974	*FRONT PAGE 8K CTR		3386666
990	*UNITED AUTM&L WRKR		3349917
1004	*D J HOFFMAN ATTY		3323370
	*HOFFMAN&LARSON ATY		3323370
	*J HERBERT LARSON		3323370
1006	*FROEDE DESIGN CO		3382505
	*FRED A FROEDE		3382505
1018	*DR HAROLD I BUSSEY		8582223
	*DR G 8 GASTWIRTH		3356123
	*DR JACK R GOLDS		3356123
	*DR MAX D GOTTESMAN		8582223
	*DR J S INGBER		3337831
	*PAUL M INGBER ATTY		3345980
	*JOSLYN DENTAL CLNC		3337831
	*DR C C MEDLEY		3337831
	*METROPOLTN DENTAL		3337831
	*PON EYE CLINIC		8582223
	*DR RALPH W REED		3356123
	*DR DAVID SECORD		3337831
	*DR ALLEN J SHUSTER		3337831
	*DR I S SILVER		3337831
	*SILVER INGBER&ASC		6740418
	*DR JOEL H SILVER		3337831
	*DR SAMUEL C SILVER		3337831
	*TRI-CO FMLY PODTRC		33356123
	*DR M S WEISHAUS		8582223
1028	*DR H H ALEXANDER		3320111
	*DR GARY L COX		3320111
	*JOSLYN CHIROPRACT		3320111
1038	*CITY GLASS SERVICE		3337035
1044	*MONTGOMERY INS AGC		3320102
	*FARMERS INS GRP		3320102
	*C MONTGOMERY INS		3320102
1059	*DAIRY BOY		3347070
1068	RICHARD L HENRY		3350118
1073		NP	
1101	*RICHARD GILES		3346921
	*STATE FARM INS CO		3346921
1106	*JOSLYN AV UN PRS8Y		3357961
1107	*JO ANGELAS PIZZA		3348686
1109	*H&R BLOCK INC		3352277
1124	*SHARPES PARTY STRE		3349690
1133	*LUTHERAN ECNMY CTR		3388530
	*ST PAUL LUTHERAN		3388618
	*ST PAUL NURSERY		3388618
	*ST PAUL LUTH NRS S		3388618
1140	V E STOWE		3323338
1156	MARTIN JACKSON		3352590
1170	*PRECISION TUNE		3348540
1210	DOROTHY BARNARD	1	3366224
1220		NP	
1230	ARTHUR E RATTEW		3346831
1240		NP	
1260	CHRIS HANES		3352170
	*KAYO-OIL CO		3387780
1280	*MOTORCAR TRANSPORT		3320144
1374	EDSEL W MALKIM		3330027
1376		NP	
1390	H THOMAS RILEY		3731185
1416	*DR RONALD L 8IGMAN		3737500
	*OAKLND MED CLINIC		3737500
	*DR M STERN		3737500
1430	*WALTON&JOSLYN STA		3731776
1457	IVAN MARSHALL		3350728
1481	NORRIS F PETTY		3343150
1484	*JUANITA WALLS 8TY		3731636
	FRED WALLS		3735477
	*J WALLS BUTY SHOP		3731636
1517	*FIRST OPEN BIBL CH		3380257
1519	CHARLES A LAUINGER		3355892
1520	HUBERT D CARTER	6	3736930
1528	RUBY FRYE		3735384
1537	TARLTON R SMALL	5	3349169
1540	WALTER LAMPHERE		3730766
1546	DALE C SPENCER	1	3735225
1547	FRANCIS D LABARGE		3321725
1554	ROY C HARRISON		3730133
1557		NP	
1560	DANIEL PINTAMO		3730097
1566	BRUCE CLAYCOM8	0	3732613
1567		NP	
1576	VIRGIL D VICK	1	3738774
1584	ERNIE W PYLE	9	3732262
1592	1812	NP	
1618	DARWIN WILSON	4	3731719
1625	*VANMEER FIRE SERV		3351163
1630	*JEHOVAHS WITNESSES		3730211
1639	ROBERT J DAVIS	6	3320566
1644	GORDON R AITTAMA		3735533
1684	HUGH B ENGLAND		3731553
1685	D STEEN		3329629
1690	WILLIE WEAVER	2	3735131
	83 RESIDENCE	67	BUSINESS

LEBARON AVE 1983

● LE BARON AVE

	●●●●●●●●●●●●●●●●●●	48D58
●●	5DD- 699 1087	\$E●●B13
554	MCKINLEY CLAWSON	3388481
	A S MULLER	3347839
558	LARRY TAPLIN	-3358D86
563	STEVE EVANOFF	3345D46
566	CHARLES W ESRALIAN5	3348147
57D	NP	
571	G SPRUGEON	1 3388493
574	ALLEN C MORRIS	3326915
578	579 NP	
582	F O SALLEE	3329632
586	NP	
587	ROY E COOMBS	335D788
59D	8YRON E DAVIDSON	3323719
594	NP	
595	ELTON C LOSEY	3344471
598	TODD JONES D	3388371
599	6D2 6D3 NP	
6D6	JOHNNY ASHLEY	□3343D52
6D7	JOHN W STEVERSON	9 3382219
61D	THOMAS E WALL	8 3382857
611	FRED R HARROUN	3343095
615	CHARLES A ROBINSON5	3324147
626	ROY M ANDREWS	7 3330927
627	FLOYD HAWKINS	33253D8
63D*	REV JIM COWEN	-3322296
636	D J CARLINE	7 3358732
64D	GEORGE M JA8RO	1 3329691
645	NP	
648	WILLIAM ROBINSON	3382428
649	HAROLD DAYNER	3342940
65D	KENNETH A PERRY	2 3388117
654	GERALD L CRAWFORD	3384943
655	ALICE CAMP8ELL	9 3324658
658	RICHARD P CARGILL	□3341843
659	NP	
662	CLAY ARMSTRONG	D 3356907
663	666 NP	
667	8RONSON 8EAN	3382876
	41 RESIDENCE	1 8USINESS

LENOX AVE 1983

LENOX

	●●●●●●●●●●●●●●●●●●●●	48D58
●●	5DO- 699 1087	\$E●●B13
554	GEORGE W BARKELEY	3328614
559	WILLIAM L HUGHES	□3357278
560	NP	
563	MICHAEL A CRAWFORD2	3356236
566	C F COLLISON	3321316
567	CHESTER MOCZARSKI	3381434
571	GAIL HAIGHT	9 3325655
575	NP	
578	NGHIA LETRUNG	6 33265D2
579	CARROLL ORR	3357182
583	WAYNE NEWCOMB	3342123
586	587 NP	
59D	ELSIE BAKER	□3351457
	VICTOR G RAPER	-3351457
591	595 NP	
598	WALDO C AUSTIN	334123D
599	SAMUEL C WISCOMBE	4 3342D58
6D3	LEO D McDONALD	6 3383542
61D	ALPHONSO AMSHAY	335374D
614	LARRY L ROGERS	3352853
615	NP	
618	ROBERT L ASPLUND	9 3327856
619	MARION VANGILDER	2 3388174
622	C P DRIEPAK	9 3359183
623	PAUL L LADD	33563D6
631	FRANK FLIPPO	33497DD
634	NP	
635	MRS LUTHER BRALEY	3325458
638	KENNETH CRAWLEY	3325258
642	643 646 NP	
65D	JAMES M ALEXANDER	9 3353053
662	663 NP	
666	ROSE MOOLHUIZEN	D 335814D
	38 RESIDENCE	

WESBROOK ST 1983

 WESBROOK AVE

..... 48058
 ●● 500- 699 1087 SE●●B13
 555 558 NP
 562 ROGER W PORTICE 4 3386913
 563 EDWARD JACKSON □3345698
 566 RAY ELKINS 7 8587118
 567 JOHN W FORESTER 3340798
 570 571 574 575 NP
 578 WILLIAM COLEMAN 7 3359131
 579 NP
 583 P MOYER 3358572
 587 NP
 590 WARD W WEST 2 3357970
 591 NP
 594 SIGMUND JEZIORSKI 3340452
 595 NP
 598 JAMES 8 STALEY II 3329305
 599 LOUISE M KAREIN 3355109
 601 NP
 602 DONALD RANSOM 0 3351329
 603 NP
 607 WALTER H WALSH 3320314
 620 626 627 NP
 630 ANDREW W WRIGHT 3340821
 631 BRUCE DIBBLE □3322484
 634 WILLIAM H WERTZ 3320776
 635 NP
 638 SHERMAN BEELER 6 3321087
 639 NP
 642 JAMES H BRUCE 0 3328271
 643 646 NP
 654 JOE MUNSON 4 3384954
 658 WILLIAM C NELSON 3382486
 659 JOHN BLANCHARD 0 3359683
 662 NP
 663 VICKY HERNANDEZ 9 3350209
 666 KENNETH KIPER □3359239
 667 LEO L CRIVEA 3352586
 43 RESIDENCE

JOSLYN AVE 1978

 JOSLYN AVE

		48058
...	300- 699 T 1089	\$D...J 8
...	700- 1699 T 1087	\$C...J 7
318	FRANK ROBINSDN	5 3355493
	LULA ROBINSDN	3355493
324	MARY MANNING	4 3348358
328	NP	
331	L C SMITH	3346071
336	ELAINE ANDERSON	□3359060
340	MARCELLA EVANS	7 3354166
350	CORA L HORTON	7 3359112
351	M HARRIS	□3343242
359	K D BURTON	5 3353420
	ORLANDO BURTON	3347928
370	NP	
372	LEONARDUS MANNING	3381806
375	TERRELL JONES	□3332149
378	CARL PRYOR	6 3351217
	MICHAEL PRYOR	□3342395
395	C L CHANOLER	-3387758
	HENRY L CHANDLER	3356905
400	MARY LEE WILKERSDN	0 3350331
403	JACK B ALEXANDER	3383181
408	NP	
413	NP	
414	NP	
419	ROSA LEE JONES	3346915
420	NP	
426	ERIC FRANK	4 3345044
	LONDON J FRANK	3389030
432	NP	
621	H TOSICH	1 3351808
625	NP	
628	MARVIN SEIBERT	-3388209
631	HELENE FALK	3 FE53269
632	NP	

JOSLYN AVE 1978

635	*****	NP	48058
638	SEELY C OART		FE58916
641	M O CARLS		33326739
642		NP	
645	BRIAN J PALCSAK	4	3325244
648		NP	
651		NP	
652	ROBERT K JACDBS	3	3347729
658		NP	
662	CHARLES H SORRICK	6	3320715
663		NP	
668		NP	
724		NP	
730	DAVIO P GALPIN		33352334
734	JOHN C WARGEL		3342102
740	LEWIS W ELLIS		FE24445
760	*CDMMNTY NTL BANK		8575740
790	*CHIEF PDNTIAC CRED		3359493
900	*PONTIAC STATE BANK		8575906
940*	*****	NP	48055
952*	JOSLYN MARKET		3342120
956*	FATHERSON CLNRS		3389209
960*	CHANDLERS BRBR SHP		3383122
	*RODIES HAIR FSHN		3355966
962*	DR RONALD L BIGMAN		3389689
	*DKLND MED CLNC		3389689
	*DR DONALD J WEISS		3389689
974*	FRONT PAGE BOOKSTR		3386666
990*	UNITED AUTMBL WRKR		3349917
1004*	SWAPPER DISTRBTRS		3383095
1006*	FRDEOE DESIGN CD		3382505
	*FRED A FROEDE		3382505
1018*	DR HAROLO I BUSSEY		8582223
	*DR J S INGBER		3337831
	*PAUL M INGBER ATTY		3345880
	*PON EYE CLINIC		8582223
	*DR RALPH W REED		3356123
	*DR ALLEN J SHUSTER		3337831
	*DR JOEL H SILVER		3337831
	*DR SAMUEL C SILVER		3337831
	MICHAEL S WEISHAUS4		8582223
1028*	DR H H ALEXANDER		3320111
	*HER BLOCK		3352277
1038*	CITY GLASS SERVICE		3337035
1044*	AAROW RENT-A-CAR		3384058
	*FARMERS INS GRP		33320102
	*C MONTGDMERY INS		33320102
1059*	DAIRY QUEEN BRAZR		3347070
1068	RICHARD L HENRY	9	3350118
1073*		NP	
1101*	HOWARD C BRATT INS		FE46921
	*STATE FARM INS CO		FE46921
1105*	THE WASH TUB		3351023
1106*	JOSLYN AV UN PRSBY		3357961
1109*	RICHAROSON FRM DRY		3349690
1133*	LUTHERAN ECNMY CTR		3388530
	*ST PAUL LUTHERAN		3388618
	*ST PAUL NURSERY		3388618
1140	V E STOWE	3	3323338
1156	MARTIN JACKSON		FE52590
1210	MABLE HIPSHIRE	7	8588729
1220		NP	
1230	ARTHUR E RATTEW		FE46831
1240	OALE RENN		FE42605
1251*	H F CAMPBELL		33388765
1260	ROBERT BRYSDN	7	3331468
	*KAYO-OIL CO		8589823
1280*	MOTORCAR TRANSPORT		3320144
1374	EOSEL W MALKIM		3730027
1376	P COKER	6	3732127
	B MCCALLUM	6	3732127
1390	H THOMAS RILEY	0	3731185
1430*	WALTON & JOSLYN STA		3731776
1448*	THE VANSHOP		3731096
1457	IVAN MARSHALL		3350728
1481	NORRIS F PETTY		3343150
1484*	JUANITA WALLS BTY		3731636
	FRED WALLS		3735477
	FRED A WALLS		3731636
	*J WALLS BUTY SHOP		3731636
1517*	FIRST OPEN BIBL CH		FE80257
	REV R G KRANTZ		FE80257
1519	CHARLES A LAUINGER		FE55892
	EFFIE LAUINGER	6	3358097
1520	HUBERT O CARTER	6	3736930
1528	GWIN RAY FRYE		3735384
	RUBY FRYE		3735384
1537	TARLTON R SMALL	5	3349169
1540	WALTER LAMPHERE		3730766
1546		NP	
1547	FRANCIS D LABARGE	9	3321725
1554	RDY C HARRISON		3730133
1557		NP	
1560	DANIEL PINTAMO		3730097
1566	JULIUS HOGANSON		3736695
1567		NP	
1576	ALLAN EBERLE	7	3732144
1584		NP	
1592	PAUL S DAVIS		3730052
1612		NP	
1618	DARWIN WILSON	4	3731719
1625	ROBERT L VANMEER	5	3383740
	*VANMEER FIRE SERV		3351163
1630*	JEHOVAHS WITNESSES		3730211
1639	ROBERT J DAVIS	6	3320566
1644	GROON R AITTAMA		3735533
1684	HUGH B ENGLANO	3	3731563
1685	SHELLEY FLANAGAN	7	8588021
1690	LONNIE WEAVER	0	3735131
	92 RESIOENCE	50	BUSINESS

LEBARON AVE 1978

LE BARON AVE

		48058
...	500- 699 T 10B7	\$C...J 7
SS4	MCKINLEY CLAWSN 1	3388481
	A S MULLER	3347839
55B	MIKE SHEBELLA 4	3384833
S63	STEVE EVANOFF	FE45046
566	CHARLES W ESRALIANS	3348147
S70	NP	
571	E J HUBBLE 2	3351322
S74	ALLEN C MORRIS 3	3326915
579	NP	
S82	F Q SALLEE	3329632
S86	DONALD R MULLINS 6	3341087
587	ROY E COOMBS	3350788
590	BYRON E DAVISON	FE23719
S94	NP	
S95	ELTON C LDSEY	3344471
S98	NP	
599	LLOYD O WILSON	3356392
602	NORMAN L WILLIAMS 2	3380174

LEBARON AVE 1978

		48058
603	L E 8ARNE5	-3324226
606	PEGGY J 00RRIE5	33353436
607	MARTIN CARLSON	3326985
610	THOMAS E WALL	33382857
611	FRED R HARROUN	FE43095
615	CHARLES A ROBINSON5	3324147
626	ROY M ANOREW5	7 3330927
627*	HAWKINS ELECTRIC	3325308
	FLOYD E HAWKINS	3325308
630	LULA CORLETT	-3340256
636	D J CARLINE	7 3358732
640	M A HOLSWORTH	-3354346
645		NP
648	WILLIAM ROBINSON	3382428
649	HAROLD DAYNER	3342940
650	ESTHER M JOHNSON	3347681
654	GERALD L CRAWFORD	3384943
655		NP
658	CHAULKELY MOUNT	FE45434
659		NP
662	THOS J 00805ENSKI	4 3346543
663		NP
666		NP
667	BRONSON 8EAN	3382876
	41 RESIDENCE	1 8USINESS

LENOX AVE 1978

 LENOX

.....			48058
...	S00- 699 T	1087	\$C...J 7
SS4	GEORGE W BARKELEY		3328614
S59		NP	
560		NP	
563	LEONARD SCHOOFF		3327847
566	C F COLLISON		3321316
567	CHESTER MOCZARSKI		3381434
571	DONALD O HAIGHT	4	3325655
575		NP	
578	NGHIA LETRUNG	6	3326502
579	CARROLL ORR		3357182
583	WAYNE NEWCOMB		3342123
586	EDWIN B IVES SR	3	3321736
595	DONALD BELL	S	3322489
598	WALDO C AUSTIN		3341230
599	SAMUEL C WISCOMBE	4	3342058
603	LEO D MCDONALD	6	3383542
610	ALPHONSO AMSHAY		3353740
614	LARRY L ROGERS	2	3352853
615	KENNETH BLAIR	3	3381632
618		NP	
619	MEARL F VANGILOER		3388174
622	LYALL JENKS	7	8588407
623	PAUL L LAOD	0	3356306
631	FRANK FLIPPO		FE49700
634	CARL FORESTER	5	3357838
635	MRS LUTHER BRALEY		3325458
638	KENNETH CRAWLEY	1	3325258
642		NP	
643	WESLEY R CRITES		3352446
646	MICHAEL E WALKER		3347415
662	DAVID C PORTER		3351716
663	R D DICKS		-3380891
666		NP	
	33 RESIDENCE		

WESBROOK ST 1978



WESBROOK AVE

.....	48058
... 500- 699 T 1087	SC..J 7
555 FRED LYNCH	3359575
558 DAVID R CERVANTEZ 5	3323452
562 ROGER W PORTICE 4	3386913
563 HOWARD J SMITH	3342736
566 RAY ELKINS 7	8587118
567 JOHN W FORESTER	3340798
570	NP
571 SHIRLEY MARTIN 7	3321840
574	NP
575	NP
578 WILLIAM COLEMAN 7	3359131
579	NP
583 P MOYER 2	3358572
587	NP
590 WARO W WEST	3353174
591	NP
594 SIGMUNO JEZIORSKI 3	3340452
595	NP
598 JAMES B STALEY II	3329305
599 LOUISE M KAREIN	3355109
601	NP
602 JAMES JESTICE 4	3388242
603 MARGARET ALBRIGHT 3	3383047
607 WALTER H WALSH	FE20314
620	NP
626	NP
627 ALVIN C MILLER 7	3353929
630 ANDREW W WRIGHT	3340821
631	NP
634 WILLIAM H WERTZ	3320776
635 ERHARD W ZAPPE 3	3321249
638 SHERMAN BEELER 6	3321087
639	NP
642	NP
643	NP
646	NP
654 JOE MUNSDN 4	3384954
658 WILLIAM C NELSON	3382486
659	NP
662	NP
663 JAMES HERNANDEZ 3	3350209
666 FRANK DUFFIE 6	3355692
667 LEO L CRIVEA	3352586
43 RESIDENCE	

JOSLYN AVE 1973

● JOSLYN AVE
 48058
 ... 300- 699 T 1089 \$0...J 8
 ... 700- 1699 T 1087 \$C...J 7
 318 FRANK ROBINSON 5 3355493
 LULA ROBINSON 5 3355493
 324 NP
 328 NP
 331 L C SMITH 5 3346071
 336 NP
 340 NP
 344 NP
 345 NP
 351 NP
 356 NP
 359 ORLANDO BURTON 4 3347928
 360 NP
 365 NP
 366 NP
 372 JONATHAN MANNING 1 3380722
 LEONAOUS MANNING 7 3381806
 375 NP
 378 CAROLYN PRYOR 8 3351217
 395 HENRY L CHANDLER 6 3356905
 400 MARY LEE WILKERSON
 0 3350331
 403 JACK B ALEXANDER 7 3383181
 408 NP
 413 JAMES HAWKINS □ 3355768
 414 NP
 419 ROSA LEE JONES 7 3346915
 420 NP
 426 LONON J FRANK 7 3389030
 432 NP
 621 H TOSICH 1 3351808
 625 J BOYER □ 3345253
 J BOYER FE45253
 628 JACK J GRANT 2 3349674
 631 HELENE FALK □ FE53269
 632 B J EDWARDS 3322959
 635 NP
 638 SEELY C OART FE58916

JOSLYN AVE 1973

641	WILLIAM L CARLS	3326739
645	J CHARLES HOLTZ	3342981
648		
651	NP	
652	ROBERT K JACOBS	3347729
658	LAWRENCE THOUIN	FE24237
662	NP	
663	FRANK MAZZA	5 FE58944
668	J D HARRINGTON	FE41210
724	NP	
730	NP	
734	JOHN C WARGEL	3342102
740	LEWIS W ELLIS	FE24445
760	COMMUNITY NATL ENK	3384068
790	CHEIF PDNTIAC UN	3359493
900	PDNTIAC STATE BANK	3344796
***** 48055		
920	JOSLYN MARKET	3343710
940	NP	
942	LORAINES BEAUTY SP	3355966
952	BRDWNIES HARDWARE	FE46105
956	FATHERSON CLNRS	3389209
960	CHANOLERS ERBR SHP	3383122
962	OAKLAND MED CLINIC	3389689
	DR DONALD J WEISS	3389689
	OR RONALD L BIGMAN	
	8	3389689
974	FRONT PAGE BK STRE	3386666
990	UNITO AUTO WKR 653	3349917
1004	P Y KADISH INS ASC	3380606
	AMER INCDME LF INS	3380606
	ASSOC GRP UNDRWRIT	3380484
1006	FROEOE OESIGN CD	3383311
	FREO A FROEOE	3383311
1018	LISS&ZIV PC ATTY5	3349850
	ROBERT F LISS	3349850
	DR J S INGBER	3337831
1028	OR JDEL H SILVER	3337831
	OR H H ALEXANDER	3320111
1038	CITY GLASS SERVICE	3337035
1044	PONTIAC-OAKLAND CR	3320101
	ECONO CAR LEASING	3320101
	ECONO CAR OF PNTC	3320101
	A-1 ECONO-CAR	3320101
1059	DAIRY QUEEN BRZIER	3354397
1068	RICHARD L HENRY	9 3350118
1073	NP	
1101	HOWARD C BRATT INS	FE46921
	HOWARD C BRATT INS	FE46255
	STATE FARM INS CO	FE46921
	STATE FARM INS CO	FE46255
1106	JOSLYN AVE PRES CH	FE57961
1109	RICHAROSON FRM DRY	3349690
1111	I W SCHRAM REALTOR	3359471
1133	ST PAUL LUTHERAN	3388618
1140	VIRGINIA E STOWE	3323338
1143	OAKLAND CNTY ALANO	FE23521
	A A	FE23521
	AL ANDN FMLY GRP5	FE23521
	ALANO CENTER CNTY	FE23521
	ALCOHOLIC ANONYMOU	FE23521
1156	MARTIN JACKSON	FE52590
1170	JOSLYN&CDLUM8IA GF	3346419
1210	ROBERT V DRDSEY	3327324
1230	ARTHUR E RATTEW	FE46831
1240	OALE RENN	FE42605
1260	GLENN BUSCH	3348824
	KAYO OIL CO	3387404
1280	MDTORCAR TRANSPDRT	3320144
1374	EOSEL W MALKIN	3730027
1376	MRS CARL MALKIM	3730846
1390	H THOMAS RILEY	0 3731185
1430	WALTON&JOSLYN	3731776
1457	IVAN MARSHALL	6 3350728
1481	NDRRIS F PETTY	7 3343150
1484	JUANITA WALLS BTY	3731636
	FREO WALLS	5 3735477
	FREO A WALLS	3731636
	J WALLS BUTY SHOP	3731636
1517	1ST OPEN 818LE CHR	FE80257
	REV A W MAGLOTT	FE80257
1519	OENISE LAVINGER	3386609
	CHARLES A LAUINGER	FE55892
1528	GWIN RAY FRYE	5 3735384
	RUBY FRYE	5 3735384
1537	JOHN ZABLOCKI	6 3348938
1540	WALTER LAMPHERE	3730766
1546	NP	
1547	FRANCIS O LABARGE	9 3321725
1554	ROY C HARRISDN	7 3730133
1557	NP	
1560	DANIEL PINTAMD	3730097
1566	JULIUS HOGANSON	3736695
1567	AJIT GOKLANI	0 3348410
1576	NP	
1584	NP	
1592	PAUL S OAVIS	7 3730052
1598	AMWAY HOME PROD	3736679
1612	NP	
1618	PHILLIP C BRIDGER	6 3735251
1625	MRRIS J HANCDCK	-3383215
1630	JEHOVAHS WITNESSES	3730211
1639	DAVID L LIVERMORE	2 3325540
1644	GROON R AITTAMA	3735533
1684	HUGH B ENGLAND	-3731563
1685	TERRY L B188	2 3325514
1690	LONNIE WEAVER	0 3735131
	92 RESIOENCE	50 BUSINESS

LEBARON AVE 1973

LE BARON AVE			
.....		48058	
...	500- 699 T 1087	\$C..J 7	
554	A S MULLER S	3347839	
	MCKINLEY CLAWSN 1	3388481	
S58	HARRY W HUTZ	FE59564	
563	STEVE EVANOFF	FE45046	
S66	CECIL E PHILLIPS	FE45318	
570	NP		
571	E J HUBBLE 2	3351322	
	GAIL SPURGEON 2	3351322	
574	ALLEN C MORRIS	3326915	
578	THOMAS M JOHNSON	3320885	
S79	NP		
582	F Q SALLEE	3329632	
586	NP		
587	ROY E COMBS 7	3350788	
590	BYRON E DAVIOSN	FE23719	
594	NP		
595	ELTON C LOSEY	3344471	
598	NP		
599	LLOYD O WILSON 6	3356392	
602	NORMAN L WILLIAMS 2	3380174	
603	NP		
606	MELVIN L OORRIES 1	3353436	
607	MARTIN CARLSON	3326985	
610	NP		
611	FRED R HAROUN 8	FE43095	
615	NP		
626	ROY M ANDREWS 7	3321078	
627*	HAWKINS ELECTRIC	3325308	
	FLOYD E HAWKINS	3325308	
630	CLARENCE N TERRIEN	3380012	
636	NP		
640	NP		
645	NP		

LEBARON AVE 1973

648	WILLIAM ROBINSON		3382428
649	HAROLD DAYNER		3342940
650	ESTHER M JOHNSON		3347681
654	GERALD L CRAWFORD	6	3384943
655	L W HUMPHREYS	4	3346772
658	CHAULKLEY MCINT		FE45434
659		NP	
662	GEORGE R RICHARDS		FE43173
663		NP	
666		NP	
667	BRONSON BEAN		3382876
	43 RESIDENCE	1	BUSINESS

LENOX AVE 1973

LENOX			
...	500- 699 T 1087	480S8	\$C..J 7
SS4	GEORGE W BARKELEY	FE28614	
559	E TICK	3329842	
560		NP	
563	LEONARD SCHCDF	3327847	
566	C F CDLLISON	3321316	
567	CHESTER MOCZARSKI	FE81434	
575		NP	
578	D JOSEPH EDDINGS 2	3325033	
579	CARRDLL ORR	3357182	
	C G STRATTON 2	3356009	
583	WAYNE NEWCOMB	3342123	
586	EDWIN B IVES SR	3321736	
587		NP	
591	DAVID M SANDERS 9	3321153	
594		NP	
595	R L FRANKLIN 9	FE24496	
598	WALDO C AUSTIN 4	3341230	
599	C M KEHOE 2	FE23777	
603	EDDIE L MUNCY 2	3341256	
610	ALPHONSO AMSHAY	3353740	
614	LARRY L ROGERS 2	3352853	
615	KENNETH BLAIR	3381632	
618	GEORGE A GIRDLEY 5	3349033	
619		NP	
622	JOSHUA HEBENTON	3324842	
623	PAUL L LADD 0	3356306	
631	FRANK FLIPPO	FE49700	
634	RONALD H LEONARD 6	3347944	
635	MRS LUTHER BRALEY 8	3325458	
638	KENNETH CRAWLEY 1	3325258	
642		NP	
643	E MASSEY	3388113	
646	BILL GAINES	-3348366	
650		NP	
651	GARY B MCREYNOLDS 2	3322107	
654	GERALD HURST 9	3322854	
655	JOSEPH PERNA	3347367	
662	BOBBY J WHEELER	-3382368	
663	MELVIN L STONEWALL	3347397	
666		NP	
40 RESIDENCE			

WESBROOK ST 1973

 WESBROOK AVE

.....		48058
...	500- 699 T 1087	SC..J 7
555	FRED LYNCH	5 3359575
558	THOMAS E INABNIT	3344366
562	NP	
563	HOWARD J SMITH	3342736
566	WILLIAM O MCGREGOR	
	2	3326657
567	JOHN W FORESTER	3340798
570	NP	
571	NORMAN MALLORY	FE21840
574	KIRK PEARSON	2 3329582
575	NP	
578*	P F FRANK EXTRMNTR	3359569
	*TIP-TOP EXTERMNTNG	3359569
579	NP	
583	P MOYER	2 3358572
587	NP	
590	WARD W WEST	3353174
591	MARY KASURDW	3359947
594	SIGMUND JEZIDRSKI	3340452
595	NP	
598	JAMES B STALEY	118 3329305
599	LOUISE M KAREIN	5 3355109
601	VICTORIA RYAN	2 3354783
602	STEVE SAPELAK	3321989
603	MARGARET ALBRIGHT	3383047
607	WALTER H WALSH	FE20314
620	SAMUEL C WISCOMBE	-3342058
626	WALTER C DEMPSEY	3353630
627	NP	
630	ANDREW W WRIGHT	4 3340821
631	M E WELCH	5 FE53108
634	WILLIAM H WERTZ	3320776
635	ERHARD W ZAPPE	-3321249

WESBROOK ST 1973

638	BILLY VANDAGRIFF	5	3340391
639	WILLIAM A SIMPSON		3345133
643	REV O A LINDSAY	0	3386560
646	ROBERT E HARD	2	3325926
654		NP	
658	WILLIAM C NELSON		3382486
659		NP	
662		NP	
663	JAMES HERNANDEZ		3350209
666		NP	
667	LEO L CRIVEA		3352586
	41 RESIDENCE	2	BUSINESS

JOSLYN AVE 1968

JOSLYN AVE

..... 48058
 300- 699 TZ6004 \$D..K13
 318 FRANK ROBINSON 5 3355493
 LULA ROBINSON 5 3355493
 324 NP
 328 SAMUEL L GRIFFITH 5 3386392
 331 L C SMITH 5 3346071
 336 JOSEPH ANDERSON #3359132
 340 NP
 344 HARRISON MUNSON #3381102
 345 NP
 350 NP
 351 NP
 356 NP
 359 ORLANDO BURTON 4 3347928
 360 NP
 365 NP
 366 NP
 372 LEONADUS MANNING 7 3381806
 375 NP
 378 CAROLYN PRYOR -3351217
 395 HENRY L CHANDLER 6 3356905
 400 WILLIE MINDINGALL 5 3381522
 LEMUEL MINDINGALL 5 3381522
 403 JACK B ALEXANDER 7 3383181
 408 B PAULING 6 3326461
 413 NP
 414 ERNESTINE JORDAN -3320418
 419 ROSA LEE JONES 7 3346915
 420 DAVID S WILLIAMS 6 3340497
 426 LONDON J FRANK 7 3389030
 621 DANIEL TOSICH 3345717
 625 J BOYER FE45253
 628 NP
 631 NP
 632 B J EDWARDS FE22959
 635 BARBARA A CRANDALL -3380838
 638 SEELY C DART FE58916
 641 WILLIAM L CARLS 2 3326739
 642 NP
 645 J CHARLES HOLTZ FE42981
 648 HOUSTON YOUNG 7 3357420
 651 NP
 652 NP
 658 LAWRENCE THOUIN FE24237
 662 NP
 663 1/2 FRANK MAZZA 5 FE58944
 668 J D HARRINGTON FE41210
 680 EARL E GOANS 7 3343310
 681 NP
 684 JOHN HOWARD #3346363
 690 LEO KENNEDY FE56432
 694 ROBERT M SHAFFER 4 3351605
 700- 1699 TZ6002 \$B..J12
 700 PAT STOGLIN FE49165
 704 MARVIL PRIEST 3382694
 716 NORBERT B KUBIAK FE43147
 720 GRACE BEDFORD 3355544
 724 NORMAN L BARTLETT #3359608
 KAREN HOSKINS 7 3381253
 730 ELMER LEVITT 6 FE25990
 734 JOHN C WARGEL FE42102
 740 LEWIS W ELLIS FE24445
 752 NP
 758 PAULINE BABA FE24094
 762 NP
 768 JOHN A KEMPF #3346320
 777 *WALBRIDGE ALDINGER #3346526
 790 *CHEIF PONTIAC UN 3359493
 895 *PONTIAC MTR ENGRNG 3328111
 900 *PONTIAC STATE BANK 3344796
 48055
 920 *JOSLYN FOOD MARKET 3387081
 940 * NP
 942 *LORAINES BEAUTY SP 3355966
 952 *BROWNIES HARDWARE FE46105
 956 *FATHER & SON CLNRS 3389209
 960 *VERNS BARBER SHOP 3383122
 962 *OAKLAND MEDCL CLNC #3389689
 DR DONALD J WEISS #3389689
 DR RONALD L BIGMAN -3389689
 974 *BARTS PHARMACY FE89679
 984 *UNITED AUTO AFLCIO 3349917
 1001 *SETINAS USED CARS -3358939

JOSLYN AVE 1968

1006*	FROEDE DESIGN CO	3383311
	*FRED A FROEDE OFC	3383311
1018*	JANS NORTHSD RSTNT	3387982
1028*	DR JOEL H SILVER	3337831
	*HAROLD H ALEXANDER	3320111
1038*	CITY GLASS SERVICE	3337035
1044*	ANDERSON&ASSOCS	FE43535
1059*	PETERS DAIRY QUEEN	3354397
1068	R J MARTIN	FE26590
1073*	WARD&JOHNS SERV	-3351798
1091*	NICKS MARKET	FE84922
1101*	HOWARD C BRATT INS	FE46255
	*STATE FARM INS CO	FE46255
	*HOWARD C BRATT INS	FE46921
	*STATE FARM INS CO	FE46921
1105*	CHUCKS NORGE VILGE	3382786
1106*	JOSLYN AVE PRES CH	FE57961
1109*	RICHARDSON FRM DRY	3349690
1111*	I W SCHRAM REALTOR	3359471
1133*	ST PAUL LUTHERN CH	FE86902
1140	JAMES O HENSLEY	3381536
1143*	ACLHOLICS ANONYMUS	FE23521
	*AA	FE23521
	*AL ANON FMLY GRPS	FE23521
	*ALANO CENTER CNTY	FE23521
	*OAKLAND CO ALANO	FE23521
1156	MARTIN JACKSON	FE52590
1170*	BUDS TOWING	3353833
1210		NP
1220		NP
1230	ARTHUR E RATTEW	FE46831
1240	DALE RENN	FE42605
1260		NP
1280*	MOTORCAR TRANSPORT	3320144
1374	EDSEL W MALKIM	FE40027
1376	MRS CARL MALKIM	FE50846
1390	H THOMAS RILEY	3326507
1430*	SMITH STANDRD SERV	3325776
1457	IVAN MARSHALL	6 3350728
1481	NORRIS F PETTY	7 3343150
1484	FRED WALLS	7 3384477
	*FRED WALLS SERVICE	3388016
	FRED A WALLS	2 3322836
	*J WALLS BEAUTY SH	3322836
	*JUANITA BTY SHOP	3322836
1517*	FIRST OPEN BIBL CH	FE80257
	REV A W MAGLOTT	FE80257
1519	CHARLES A LAUINGER	FE55892
1528	RUBY FRYE	5 3355384
	GWIN RAY FRYE	5 3355384
1537	JOHN ZABLOCKI	6 3348938
1540	WALTER LAMPHERE	3352996
1546		NP
1547		NP
1554	ROY C HARRISON	7 3344692
1557	JOHN M WEBER	3359913
1560	DANIEL PINTAMO	FE50097
1566	JULIUS HOGANSON	FE84117
1567	EDWARD J GIROUX	-3347278
1576	LESLIE I WALKER	7 3352711
1584	JERRY FIELDS	5 3350398
1592	PAUL S DAVIS	7 3320052
1598		NP
1612		NP
1618	PHILLIP C BRIDGER	6 3357326
1619	CARSON LOONEY	3349095
1625		NP
1630*	JEHOVAHS WITNESSES	3323998
1639	CHARLIE WOODY	FE81706
1644	KIRK PEARSON	3323192
1684	BARNICE BIBB	FE44280
1685		NP
1690	LONNIE WEAVER	3 3342031
*****	T Z INFO NOT AVLBL	*****
NO #	*LONG ELEC CO	3358781
	107 RESIDENCE	47 BUSINESS

LEBARON AVE 1968

LE BARON AVE

..... 48058
 500- 699 TZ6002 \$B..J12
 554 A S MULLER 5 3347839
 DALE WARNER □ 3347839
 558 HARRY W HUTZ FE59564
 571 W A WIGGINTON 4 3380005
 563 STEVE EVANOFF FE45046
 566 CECIL E PHILLIPS FE45318
 570 NP
 571 NP
 574 THOMAS LAWRENCE 3327509
 578 HENRY L BOROFF FE89482
 579 CARLETON L FIELDS 3340609
 582 F Q SALLEE 3329632
 586 CARL LINSENMAN □ 3351372
 587 ROY E COOMBS 7 3350788
 VIOLET COMPS 6 3350788
 590 BYRON E DAVIDSON FE23719
 594 DENNIS GRUNO - 3357972
 595 ELTON C LOSEY FE44471
 598 MARY E KAYGA 7 3345804
 599 LLOYD D WILSON 6 3356392
 602 NP
 603 JOSEPH E WOLFE 3 3351393
 606 F C BATTEN 6 3382204
 607 JUDITH ANN CARLSON 7 3326985
 MARTIN CARLSON 3326985
 610 NP
 611 FRED R HARROUN □ FE43095
 615 NP

LEBARON AVE 1968

626	ROY M ANDREWS	7	3321078
627	FLOYD E HAWKINS		3325308
630	CLARENCE N TERRIEN		
		3	3380012
636		NP	
640	*HILLCREST BAPT CH		3323317
641	HARRY LILLIE		FE43729
648	WILLIAM ROBINSON		FE82428
649	HAROLD DAYNER		FE42940
650	ESTHER M JOHNSON		FE47681
654	GERALD L CRAWFORD	6	3384943
655	L W HUMPHREYS	4	3346772
658	CHAULKLEY MOUNT		FE45434
659		NP	
662	GEORGE R RICHARDS		FE43173
663	DOYNE A WAGNER		FE49769
666		NP	
667	BRONSON BEAN		3382876
	44 RESIDENCE	1	BUSINESS

LENOX AVE 1968

LENOX

		48058
.....	500- 699 TZ6002	\$B..J12
554	GEORGE W BARKELEY	FE28614
559	EDITH TICK	3329842
560	HAROLD R KLINE	3357973
563	LEONARD SCHOOF	3327847
566	C F COLLISON	FE37316
567	CHESTER MOCZARSKI	FE81434
571	MICHAEL L HARMES	3340718
575	NP	
578	REV BOYD C GLOVE	3389709
579	CARROL ORR	2 3357182
583	WAYNE NEWCOMB	3 3342123
586	ZELLA E SMITH	4 3389777
587	LOWELL CONNON	5 3348989
590	ELSIE A BAKER	3 3347365
591	NP	
594	NP	
595	ROSE L FRANKLIN	FE24496
	CHARLOTTE THEOBALD	FE24496
598	WALDO C AUSTIN	4 3341230
599	GERALD KEHOE	FE23777
603	SAMUEL A MCMURRAY	FE46427
610	ALPHONSO AMSHAY	FE53740
614	HERSCHEL L HINDS	7 3327249
615	TAYLOR C PHILLIPS	7 3386354

LENOX AVE 1968

618	GEORGE A GIRDLEY	5	3380690
619	E M GRANDFLATEN	▣	3386879
622	JOSHUA HEBENTON		FE24842
623	ELLIS G HUMPHREY	6	3320983
631	FRANK FLIPPO		FE49700
634	RONALD H LEONARD	6	3347944
635	MRS LUTHER BRALEY	▣	3325458
638		NP	
642	DARRELL D JUDY		3328933
643	E MASSEY		FE88113
646	GARY D ROSE	-	3350567
651	FLETHCER SPEARS	6	3381124
654	PAUL L BIERI		FE28204
655	JOSEPH PERNA		3347367
662	TERRY HARRIS	4	3389739
663	MELVIN L STONEWALL		3347397
666		NP	
	41 RESIDENCE		

WESBROOK ST 1968

WESTBROOK AVE

.....	500-699	TZ6002	48058
555	FRED LYNCH	5	\$B..J12
558	THEODORE INABNIT		FE46414
562		NP	
563	HOWARD J SMITH		3342736
566	GEORGE J MCDONALD		FE45754
567	JOHN W FORESTER		FE40798
570		NP	
571	NORMAN MALLORY		FE21840
574	WILLIAM B MCCOWAN	-	3383093
575	JAMES A DEFLORIO		3359540
578	ELMER M CARLSON		FE23640
579		NP	
583	THEODORE L MOYER	#	3358572
587		NP	
590	WARD W WEST		3353174
591	MARY KASUROW		3359947
594	SIGMUND JEZIORSKI		3320371
595	DON PETERS	4	3348382
598	JAMES B STALEY II	-	3329305
599	LOUISE M KAREIN	5	3355109
601	S G SANDSTROM	7	3349712
602	STEVE SAPELAK		3321989
603	G L HAZLETT		FE45245
607	WALTER H WALSH		FE20314
620	MARION L CHANDLER		3354487
626	WALTER C DEMPSEY		FE53630
627	WAYNE B FUGITT		FE23629
630	ANDREW W WRIGHT	4	3340821
631	M E WELCH	5	FE53108
634	WILLIAM H WERTZ	2	3320776
635	RAYMOND GARTLEY		FE46072
638	BILLY VANDAGRIFF	5	3340391
639	WILLIAM A SIMPSON	2	FE45133
642	CHARLES J COLBY	5	3344867
643	EARL FULCHER		FE26976
646	ARMEN P GOOGASIAN		3324659
651	WENDELL HYLLA		FE58642
654	TERI RAE COLE	7	3327016
	*OAKLAND CAB CO		FE20205
658	WILLIAM C NELSON		3382486
659		NP	
662		NP	
663		NP	
666		NP	
667	LEO L CRIVEA		FE52586
	44 RESIDENCE	1	BUSINESS

JOSLYN AVE 1963

JOSLYN AVE

ZIP CODE 48058

..... 600- 699 TZ6004 \$C..K13
 621 DANIEL TOSICH FE45717
 625 J BOYER FE45253
 628 ROLAND W FOLK FE37485
 631 NP
 632 B J EDWARDS FE22959
 635 NP
 638 DEELY C DART FE58916
 641 WILLIAM L CARLS FE26739
 642 J J OCONNOR FE28591
 645 J CHARLES HOLTZ FE42981
 651 ORMAN DELORGE FE28002
 652 DILLARD E MAYNARD FE21745
 658 LAWRENCE THOUIN FE24237
 662 RODNEY M TATE FE49391
 663*MAZZAS GROCERIES FE58944
 668 J D HARRINGTON FE41210
 680 GEORGE T SCOTT FE46407
 681 NP
 684 JOHN HOWARD FE46363
 685 THOMAS A BARTLE FE43164
 689 STANLEY F KEMPF MY31495
 690 LEO KENNEDY FE56432
 691 FLOYD E JONES FE41739
 694 ORBY A GOFF 3386730
 697 R E JOHNSTON FE29361
 700- 1699 TZ6002 \$B..J12
 700 PAT STOGLIN FE49165
 701 GEORGE KOHN FE46666
 JOSEPH RABIDEAU MY32872
 704 LORETTA PRIEST FE82694
 MARVIL PRIEST FE82694
 715 DOROTHY SPECK FE21783
 R F STINGLE FE21783
 716 NORBERT B KUBIAK FE43147
 720 GRACE BEDFORD FE55544
 721 F F BRECKENRIDGE FE86565
 724 CLYDE W HIGHTOWER -3380122
 725 A PRUDHOMME FE88809
 730 ALMA J LEVITT FE25990
 731 ALFRED F MARCZAN FE42108
 734 JOHN C WARGEL FE42102
 735 ELTON BEHNKE FE43809
 740 LEWIS W ELLIS FE24445
 741 DAVID BROWN FE81638
 752 NP
 758 PAULINE BABA FE24094
 762 NP
 768 NP
 790*CHF PNT FD CRDT UN 3359493

JOSLYN AVE 1963

836*	EARL FOWLERS SERV	-3339562
846*	CARMENS LUNCH	-3339686
892*	LORAIN BEAUTY SHP	3355966
	*SOUCCYS BARBER SHOP	FE29533
895*	PONTIAC MTR ENGRNG	3328111
896*	JAX DRY CLNRS	FE88791
900*	NORTHSIDE SPRTG GD	FE45393
	ROBERT MINEWEASER	FE45393
	*NO SIDE SPROTING	FE45393
	*MINEWEASERS SPTGGD	FE45393
910*	WARD&JOHNS SERVICE	FE51798
	ZIP CODE 48055	
919*	SOMMERS BUS SERV	-3349953
920*	JOSLYN FOOD MARKET	FE39081
935*	MARTHA BEAUTY SHP	3326855
936*	JOSLYN SODA GRILL	FE42263
941*	FATHER&SON CLNRS	FE26424
942*	I W SCHRAM REALTOR	FE59471
952*	BROWNIES HDW&VRTY	FE46105
962*	DR D E FRASER	FE89689
	*DR R MARK TODD	FE89689
974*	FURTNEYS DRG STR 2	FE89679
984*	RON'S PIZZA INC	-3346141
1001*	GORDONS OIL SERV	FE86390
1004*	DR H H ALEXANDER	3329700
1006*	FROEDE DESIGN CO	-3383311
	*FRED A FROEDE OFC	-3383311
1018*	BOBS RESTAURANT	FE39811
1019*	NORTHSIDE GROCERY	-FE39296
1028*	DR SAML J CHAFETS	3337831
1044*	F A ANDERSON AGNCY	FE43535
1068	R J MARTIN	FE26590
1073*	RAWLINS STANDRD SV	FE39290
1091*	NICKS MARKET	FE84922
1095*	NEIGHBRS RDO&TV SR	FE82383
1101*	HOWARD C BRATT	-FE46255
	*STATE FARM INSURCE	FE46255
	*STATE FARM INSURNC	FE46921
	*HOWARD C BRATT INS	FE46921
1105*	ECONO-WASH&DRYCLNG	3382786
1106*	JOSLYN AVE PRES CH	FE57961
1133*	ST PAUL LUTH CH MO	FE86902
1140	ELBERT WEATHERHOLT	FE80193
1143*	ALANO CB PONTIAC	FE89245
	*AA	FE23521
	*ALANO CB PONTIAC	FE23521
	*OAKLAND CNTY ALANO	FE23521
	*ACOLHOLICS ANONYMUS	FE23521
1156	MARTIN JACKSON	FE52590
1170	GEORGE ANGELOFF	3337232
	*GEORGES SUNOCO SRV	3337232
	*JOSLYN&COLUMBA STA	3337232
1220	JOHN F GORDON	FE40779
1230	ARTHUR E RATTEW	FE46831
1240	DALE RENN	FE42605
1260	JESSIE V GALLOWAY	FE83032
1280	NP	
1374	EDSEL W MALKIM	FE40027
1376	MRS CARL MALKIM	FE50846
1390	H THOMAS RILEY	3326507
1430*	SMITH STANDRD SERV	FE25776
1448*	SIRING MOBIL SERVC	-3339275
1457	FRANCIS L WHEATON	-3353379
1484*	JUANITA BTY SHOP	3322836
	FRED A WALLS	3322836
	JUANITA WALLS	3322836
1517*	FIRST OPEN BIBLE	FE80257
	*REV A W MAGLOTT	FE80257
1519	CHARLES A LAUINGER	FE55892
1540	WALTER LAMPHERE	FE52996
1547	HARRY J MEYERS	FE46494
1557	JOHN M WEBER	FE59913
1560	DANIEL PINTAMO	FE50097
1567	CHARLES L GOFFAR	FE52193
1576	L L LAMPHERE	-3329024
1619	CARSON LOONEY	FE49095
1625	ARTHUR G MARIEN	FE42267
1639	CHARLIE WOODY	FE81706
1684	BARNICE BIBB	FE44280
1685	NANCY LUCHTMAN	-3321548
1690	LONNIE WEAVER	-3342031
	76 RESIDENCE 53 BUSINESS	

LEBARON AVE 1963

LE BARON AVE

ZIP CODE 48058

..... 500- 699 TZ6002 \$B..J12
 555 DORA E LEE FE53263
 558 HARRY W HUTZ FE59564
 563 STEVE EVANOFF FE45046
 566 CECIL E PHILLIPS FE45318
 570 CECIL LESLEY FE83021
 571 GINO SCARPELLI -3382458
 574 THOMAS LAWRENCE FE27509
 578 HENRY L BOROFF FE89482
 579 CARLETON L FIELDS FE40609
 582 FERN SALLEE FE29632
 CARL L SALLEE JR -3388171
 586 JOHN A ZUMBREUNNEN FE26717
 ROBERT EWLES FE26717
 587 CONRAD COMPS FE43857
 590 BYRON E DAVIDSON FE23719
 594 TONI SUE FULTZ -3382336
 595 ELTON C LOSEY FE44471
 598 JEANETTE BLAKE FE23756
 599 MILTON D LINSLEY FE28598
 602 ELIZABETH NEWTON -FE26693
 603 JOSEPH E WOLFE -3351393
 606 WESLEY R CRITES FE83694
 607 MARTIN CARLSON 3326985
 610 ELBERT BAKER -3355789
 611 FRED R HARROUN FE43095
 615 DENNIS L CHEYNE FE54256
 626 NP
 627 FLOYD E HAWKINS FE25308
 630 CLARENCE N TERRIEN-3380012
 636 NP
 640 ROBERT MINEWEASER FE46404
 641 HARRY LILLIE FE43729
 648 WILLIAM ROBINSON FE82428
 649 HAROLD DAYNER FE42940
 650 ESTHER M JOHNSON FE47681
 654 ROBERT B LYON FE58481
 655 RALPH I HALE FE55486
 658 CHAULKLEY MOUNT FE45434
 659 JOHN F KAZARIAN -3382468
 662 GEORGE R RICHARDS FE43173
 663 DOYNE A WAGNER FE49769
 666 HARRY G DERNBERGER FE25910
 667 BRONSON BEAN FE86425
 43 RESIDENCE

LENOX AVE 1963

LENOX

ZIP CODE 48058

..... 500- 699 TZ6002 \$B..J12
 554 GEORGE W BARKELEY FE28614
 559 FAY TICK FE29842
 560 HAROLD R KLINE FE57973
 563 LEONARD SCHOOF FE27847
 566 C F COLLISON FE37316
 567 CHESTER MOCZARSKI FE81434
 578 REV BOYD C GLOVER -3389709
 579 NP
 CARROL ORR 3357182
 583 WAYNE NEWCOMB -3342123
 586 EVA M ALLEN -3384418
 MRS DON DYKMAN -3384418
 587 THOMAS V BURGESS 3352161
 590 ELSIE A BAKER -3347365
 591 H B HARBAGE FE48112
 594 NP
 595 CHARLOTTE THEOBALD FE24496
 ROSE L FRANKLIN FE24496
 598 FRED D SCHIMKE -FE81035
 599 GERALD KEHOE FE23777
 603 SAMUEL A MCMURRAY FE46427
 610 ALPHONSO AMSHAY FE53740
 MARSHA A BORER FE53740
 615 NP
 619 IVAN MCNAMARA FE29644
 622 JOSHUA HEBENTON FE24842
 623 ELLIOTT D PLANTE FE55756
 631 FRANK FLIPPO FE49700
 634 ELMER GRANFLATEN FE27938
 635 MERLE S CURLESS FE47123
 638 NP
 642 DARRELL D JUDY FE28933
 643 E MASSEY FE88113
 646 JAMES M DEMSKI FE59379
 651 HARRY LAWRENCE FE56430
 654 PAUL L BIERI FE28204
 655 JOSEPH PERNA FE47367
 662 GEORGE JOHNSON FE52762
 663 MELVIN L STONEWALL FE47397
 666 NP
 40 RESIDENCE

WESBROOK ST 1963

WESBROOK AVE

ZIP CODE 48058

..... 500- 699 TZ6002 \$B...J12
 558 THEODORE INABNIT FE46414
 563 HOWARD J SMITH 3342736
 566 GEORGE J MCDONALD FE45754
 567 J W FORESTER FE40798
 570 RUSSELL S KREGER FE21107
 571 NORMAN MALLORY FE21840
 574 GILBERT DAVIS FE49104
 575 JAMES A DEFLORIO FE59540
 JAMES DE FLORIO JR 3348495
 S J DE FLORIO 3348495
 578 ELMER M CARLSON FE23640
 583 BETTE PERKIO -3383862
 RICHARD PERKIO -3383862
 587 HAZEL GILLOTTE FE83190
 JOSEPHINE GILLOTTE FE83190
 590 WARD W WEST 3353174
 591 JOHN B MORRIS FE80248
 594 SIGMUND JEZIORSKI FE20371
 595 RAY O ST CLAIR FE80722
 598 EDWARD SZOT FE47247
 599 DONALD E ROBERTSON-3380943
 601 CORNELIUS VANDYKE FE46025
 602 STEVE SAPELAK FE21989
 603 G L HAZLETT FE45245
 607 WALTER H WALSH FE20314
 620 MARION L CHANDLER FE54487
 626 WALTER C DEMPSEY FE53630
 627 WAYNE B FUGITT FE23629
 630 HUGH T STIMSON FE24312
 631 MILDRED E WELCH FE53108
 634 WILLIAM H WERTZ 3320776
 635 RAYMOND GARTLEY FE46072
 638 ROBERT E DENHAM 3348368
 639 WILLIAM A SIMPSON FE45133
 642 NP
 643 EARL FULCHER FE26976
 646 ARMEN P GOOGASIAN FE24659
 651 WENDELL HYLLA FE58642
 654*OAKLAND CAB CO FE20205
 658 WILLIAM C NELSON FE82486
 659 NP
 662 THOMAS L HEREFORD FE57097
 663 NP
 666 MRS JONQUIL WILLIS FE88731
 667 LEO L CRIVEA FE52586
 44 RESIDENCE 1 BUSINESS

JOSLYN AVE 1960

- 638 Dart Seely C @ ΔFE5-8916
 641 Carla Wm L @ ΔFE2-8739
 642 O'Connor John J @ ΔFE2-8591
 645 Holtz J Chas @ ΔFE4-2981
 648 Moczarski Chester J @
 ΔFE8-0627
 651 DeLorge Orman @ ΔFE2-8002
 652 Maynard Dillard E @ ΔFE2-1705
 658 Thoun Lawrence @ ΔFE2-4237
 659 Carr Harvey P @ ΔFE2-8790
 662 Tate Rodney M @
 663 Mazza Groceries ΔFE5-8944
 Mazza Frank @ ΔFE5-8944
 665 Rule's Drug Store ΔFE2-7900
 668 Harrington John D @ ΔFE4-1210

E Montcalm intersects

- 680 Scott Geo T @ ΔFE4-6407
 681 Russell Melvin J
 684 Howard John K @ ΔFE4-6363
 690 Kennedy Leo F @ ΔFE5-6432
 691 Jones Floyd E @ ΔFE4-1739
 694 Dewese Willard D @ ΔFE4-7702
 697 Johnston Ritchie E @ ΔFE2-9391
 700 Stoglin Pat @ ΔFE4-9165
 701 Kohn Geo L @ ΔFE4-6666
 704 Rheault Bernard J @ ΔFE2-5722
 705 Graham Norton R @ ΔFE5-6961

Lowell intersects

- 715 Speck Eliz Mrs @ ΔFE2-1783
 716 Kubiak Norbert B @ ΔFE4-3147
 720 Bedford Grace M Mrs @
 ΔFE5-5544
 721 Breckenridge Francis F @
 ΔFE4-3586
 724 Thompson Forrest @ ΔFE2-5750
 725 Prudhomme Aime ΔFE8-8809
 730 Levitt Elmer E @ ΔFE2-5990
 731 Marczan Alf F @ ΔFE4-2108
 734 Wargel John C @ ΔFE4-2102
 735 Behnke Elton D @ ΔFE4-3809
 740 Ellis Lewis W @ ΔFE2-4445
 741 Brown David @ ΔFE8-1638

E Kennett rd intersects

- 752 Meier Harry @
 758 Baba Pauline Mrs @ ΔFE2-4094
 762 Beach Jos L @ ΔFE5-4620
 768 Kempf John A @ ΔFE2-8990

Rascob av begins

- 778 Perrier Lawrence J ΔFE2-7576
 784 Williams Harry F ΔFE5-9762

Markle av begins**Lenox av begins****Westbrook av begins**

- 836 Joslyn-Lenox Gulf Service Station
 gas sta ΔFE3-9253
 846 GM Lunch ΔFE3-9117
 850 Chief Pontiac Fed Credit Union
 ΔFE5-9493
 891 Pontiac Mtr Auditorium
 892 Talbot's Barber Shop ΔFE2-9533
 Martha's Beauty Shop ΔFE2-6855
 895 Pontiac Mtr Engineering (Div
 GMC) ΔFE2-8976
 896 Jax Dry Clns ΔFE8-8791
LeBaron av begins
 900 McKenna Hdw ΔFE2-5489
 910 Ward & John Serv Sta gas sta
 ΔFE5-1798

E Madison intersects

- 919 Dara Bldg Co contr ΔFE3-7908
 920-22 Joslyn Food Mkt gro
 ΔFE3-9081
 924 Art & Lil's Tavern beer garden
 927 Bennett Benj A barber
 936 Shamrock Dairy Bar dairy prod
 ΔFE4-2263
 941 Father & Son Clns ΔFE2-6424
 942 Schram Ivan W Realtor
 ΔFE5-9471
 952 Ganje Variety Store
 962 Todd R Mark osteo phys
 ΔFE8-9689
 Fraser Donald E osteo phys
 ΔFE8-9689

JOSLYN AV—Contd

- 974 Furtney's Drug Store ΔFE8-9379
 984 Vacant

E Mansfield av intersects**E Tennyson av intersects**

- 1001 Gordon's Pure Oil Serv gas sta
 ΔFE3-9247

- 1004 Vacant

- 1006 Oakwood Bldg & Materials Co
 contrs ΔFE3-7925

E Beverly av intersects

- 1018 George's Sandwich Shop restr
 ΔFE3-9811

- 1019 Two Bros Mkt gro ΔFE8-1702

1st av intersects

- 1044 Anderson Frank A Agcy ins
 ΔFE4-3535-36

- 1059 Dairy Queen

- 1068 Martin Robt J @ ΔFE2-6590

- 1073 Rawlins Standard Service gas sta
 ΔFE3-9290

2d av intersects

- 1081 Nick's Mkt gro ΔFE5-3441

- 1091 Loulakis Paul M

- 1095 Neighbors Radio & TV Serv

- ΔFE8-2383

- 1101 Bratt Howard C ins ΔFE4-6921

- 1106 Joslyn Avenue United Presbyterian
 Church ΔFE5-7961

- 1111 Vacant

3d av intersects

- 1133 St Paul Lutheran Church

- ΔFE8-6902

- 1140 Weatherholt Elbert E @

- ΔFE8-0192

- 1143 No Return

4th av intersects

- 1156 Jackson Martin A @ ΔFE5-2590

- 1170 Crickon Chas M gas sta

- ΔFE2-7483

Columbia av intersects

- 1188 Norman Delmar W contr

- ΔFE8-0511

- 1196 Louise's Gift Club ΔFE2-9470

- 1196½ Mt Olive Genl Bapt Ch

Clara av begins

- 1210 Mansfield Albert @ ΔFE4-5394

- Goodnoe Hugh ΔFE8-3439

- 1220 Gordon John F ΔFE4-0779

- 1230 Rattew Arth E ΔFE4-6831

- 1240 Renn Dale P @ ΔFE4-2605

Peacock av begins

- 1260 Holland Birtus A @ ΔFE4-5902

- 1280 Motor Transport (stge)

- Putman Wm R

Grace av intersects**GTWRR overpass**

- 1374 Malkim Edsel W W ΔFE4-0021

- 1376 Malkim Etta H Mrs @

- ΔFE5-0846

- 1390 Riley Henry T @ ΔFE2-6507

- 1430 Smith Standard Serv ΔFE2-5776

E Walton blvd intersects

- 1448 Faxon Friendly Service gas sta

- ΔFE3-9275

- 1457 Rock Arth B @

Northfield av intersects

- 1517 First Open Bible Ch ΔFE8-0257

- 1519 Lauinger Chas A @ ΔFE5-5892

- 1540 Lamphere Walter G @ ΔFE5-2396

- 1547 Meyers Barbara A Mrs @

- ΔFE4-6949

- 1557 Weber John M @ ΔFE5-9913

- 1560 Pintamo Danl @ ΔFE5-0097

- 1567 Goffar Chas L @ ΔFE5-2193

Upland av intersects

- 1576 Eberle Alf W @ ΔFE8-0815

- 1619 Looney Carson V @ ΔFE4-9095

- 1625 Marien Arth G @ ΔFE4-2267

- 1639 Woody Charlie J @ ΔFE8-1706

Brooks av intersects

- 1644 Pearson Robt O @

- 1684 Bibb Barnice H @ ΔFE4-4280

- 1685 Bibb Leon ΔFE5-0866

- 1690 Hodges Paul H

LEBARON AVE 1960

**LE BARON AVENUE — From Joslyn
rd east bey Barkell av, 5 north of
Kennett rd**

555 Lee Dora E Mrs @ ΔFE5-3263
563 Evanoff Peter S @ ΔFE4-5046
566 Phillips Cecil E @ ΔFE4-5318
570 Leslie Cecil @ ΔFE8-3021
571 Webber Jerome J @ ΔFE4-6385
574 Lawrence Thos L @ ΔFE2-7509
578 Ogans Carl @ ΔFE8-8510
579 Fields Carlton L @ ΔFE4-0609
582 Sallee Ernest J @ ΔFE2-9632
586 Broyles Donald A @ ΔFE2-3226
587 Comps Conrad S @ ΔFE4-3857
590 Davidson Byron E @ ΔFE2-3719
595 Losey Elton C @ ΔFE4-4471
598 Blake Jeannette Mrs @
ΔFE2-3756
599 Linsley Milton D @ ΔFE2-8598
602 Newton Wm @ ΔFE2-6693
603 Rohr Albert K @
606 Crites Wesley R @ ΔFE8-3694
607 Carlson Martin L @ ΔFE2-6985
610 Eglingusti L @ ΔFE4-6374
611 Harroun Fred R @ ΔFE4-3095
615 Cheyne Dennis L @ ΔFE5-4256

Barkell av Intersects

626 Hall Hugh ΔFE2-6335
627 Hawkins Floyd E @ ΔFE2-5308
630 Welch Ray L @ ΔFE8-3382
636 Elliott R Maurice @ ΔFE4-8711
640 Mineweaser Robt W @
ΔFE4-6404
641 Lillie Harry A @ ΔFE4-3729
648 Robinson Wm W @ ΔFE8-2438
649 Dayner Harold T @ ΔFE4-2940
650 Johnson Esther M Mrs @
ΔFE4-7681
654 Bertolo Felicita Mrs @
ΔFE5-8481
655 Hale Ralph I @ ΔFE5-5486
658 Ridley Russell E @ ΔFE5-4751
659 Quick Earl L @ ΔFE5-4422
662 Richards Geo R @ ΔFE4-3173
663 Wayne Doyne
666 Dernberger Margt L Mrs @
ΔFE2-5910
667 Bean Bronson R @ ΔFE8-6425

LENOX AVE 1960

**LENOX AVENUE — From Joslyn av
east bey Hilburg av, 3 north of E
Kennett rd**

- 554 Barkeley Olga Mrs @
ΔFE2-8614
- 559 Tick Edith Mrs @ ΔFE2-9842
- 560 Kline Harold R @ ΔFE5-7973
- 566 Collision Chas F @ ΔFE3-6316
- 567 Lippard Clinton jr @ ΔFE2-4467
- 571 Childs Jas A @ ΔFE8-2668
- 575 Brown Leo I @ ΔFE4-7675
- 578 McCandless Wayne N @
ΔFE2-9913
- 579 Everett Robt J @ ΔFE5-5474
- 583 Root Lyle J @ ΔFE2-5425
- 586 Maxwell John C @ ΔFE2-8931
- 587 Baker Robt J @ ΔFE4-9289
- 590 Inglisbee Miles R ΔFE8-1861
- 591 Harbage Eliz J Mrs @ ΔFE4-8112
- 594 Oliver H A ΔFE8-0391
- 595 Franklin Rose L Mrs @
ΔFE2-4498
- 598 Kreger Stewart R @
Barkell av intersects
- 603 McMurray Saml A @ ΔFE4-6427
- 610 Amshay Alphonso F @
ΔFE5-3740
- 615 Ellis Eug @ ΔFE5-5087
- 619 McNamara Ivan E @ ΔFE2-9644

LENOX AVE 1960

LENOX AV—Contd

622 Hebernton Joshua P @ ΔFE2-4842
623 Plante Elliott D @ ΔFE5-5756
631 Flippo Frank @ ΔFE4-9700
634 Granflaten Elmer M @ ΔFE2-7838
635 Curless Merle S @
ΔFE4-7123
638 Crowley Kenneth R @ ΔFE8-3759
642 Judy Darrell D @ ΔFE2-8933
643 Massey Eug E @ ΔFE8-8113
646 Demski Jas M @ ΔFE5-9379
651 Lawrence Viola R Mrs @
ΔFE5-6430
654 Bieri Paul L @ ΔFE2-8204
655 Perma Jos @ ΔFE4-7367
662 Johnson Geo G @ ΔFE5-2762
663 Stonewall Melvin L @
ΔFE4-7397
666 Rowles John @

WESBROOK ST 1960

50

**WESBROOK AVENUE—From Joslyn
av east bey Barkell av, 4 north of
E Kennett rd**

558 Inabnit Theo @ ΔFE4-6414
563 Smith Howard J @ ΔFE4-4206
566 McDonald Gec J @ ΔFE4-5754
567 Forester John W @ ΔFE4-0798
570 Kreger Russell S @ ΔFE2-1107
571 Mallory Norman L @ ΔFE2-1840
574 Davis Gilbert A @ ΔFE4-9104
575 DeFloria Jas E @ ΔFE5-9540
578 Carlson Elmer M @ ΔFE2-3640
579 Vacant

WESBROOK ST 1960

583 Dillon Frank B @ ΔFE3-7670
587 Gillotte Hazel M Mrs @
ΔFE8-3190
590 West Ward W @ ΔFE5-3174
591 Peterson Robt J @ ΔFE2-5311
594 Jeziorski Sigmund W @
ΔFE2-0371
595 StClair Raymond O @ ΔFE8-0722
598 Szot Edw @ ΔFE4-7424
599 Parrish Jas A @ ΔFE2-0431
601 Vandyke Cornelius @ ΔFE4-6023
602 Sapelak Steph W @ ΔFE2-1989
603 Hazlett Gladys L Mrs @
ΔFE4-5245
607 Walsh Walter H @ ΔFE2-0314
Barkell av intersects
620 Chandler Marion L @ ΔFE5-4487
626 Dempsey Walter C @ ΔFE5-3630
627 Fugitt Wayne B @ ΔFE2-3629
630 Stimson Hugh T @ ΔFE2-4312
631 Welch Elsie M @ ΔFE5-3108
634 Lawrence Glenn O @ ΔFE4-1991
635 Gartley Raymond E @ ΔFE4-6072
638 No Return
639 Simpson Wm A @ ΔFE4-5133
642 Hogg Lynn F @ ΔFE4-4051
643 Fulcher Earl C @ ΔFE2-6976
646 Googasian Armen P @ ΔFE2-4659
651 Hylla Wendell M @ ΔFE5-8642
654 No Return
658 Nelson Wm C @ ΔFE8-2486
659 Meggitt Raymond E @ ΔFE4-7891
662 Monti Londo H ΔFE5-0618
663 McDonel Roy C @ ΔFE5-5733
666 Rastz Jonquil Mrs @ ΔFE8-8731
667 Crivea Leo L @ ΔFE5-2586

JOSLYN AVE 1955

JOSEPHINE AV S—Contd

130 Dunigan Leona N Mrs @

ΔFE 2-3556

Oliver Glanas ΔFE 4-1895

Menominee rd ends

131 Watson Raymond L @ ΔFE 2-1187

136 Walton Chas L @ ΔFE 4-4731

137 Weber Marvin M @ ΔFE 2-6367

141 White Elwin A @ ΔFE 4-5107

142 Horton Frank S

147 Helgemo Harvey N @

153 Richardson Lucille Mrs

ΔFE 5-6836

Voorheis rd intersects

185 Hart Richd F @ ΔFE 2-8896

190 Blageier Benj @ ΔFE 2-8468

191 Stewart Jas C @ ΔFE 2-7402

194 Steensen Jos ΔFE 4-7823

195 Middleditch Claude B @

ΔFE 4-6059

Smith dr begins

201 Shell Wm @ ΔFE 2-2898

204 Clifford Harold @

205 Madden Alton B @ ΔFE 4-0747

211 Torrill Jas L @ ΔFE 4-7835

212 Benson Mahlon A @ ΔFE 3-7279

220 Foster Fred A @ ΔFE 2-1506

221 Thibdeau Eustace W @

ΔFE 2-3993

224 McLaughlin John S @ ΔFE 4-5957

225 Ninotti Paride R @ ΔFE 5-7235

230 Spencer Grant S @ ΔFE 5-1334

231 Sovereign Frank E @ ΔFE 4-1811

234 Morse Wallace R @ ΔFE 4-2216

235 Wilson Wm D @ ΔFE 5-2379

240 Graham Jas @ ΔFE 4-3786

241 Smith Whitney

244 Tobatto Leon J @ ΔFE 4-3421

245 O'Jibway Albert G @ ΔFE 4-5269

250 Markham Edw T @ ΔFE 2-6232

251 Harrell Dan W @ ΔFE 4-7374

254 Eddy Frank E @ ΔFE 5-3344

261 Petroff Barbara Mrs @

ΔFE 2-0341

262 Bradley Alice I Mrs @

ΔFE 5-6624

265 Linney Arth C @ ΔFE 4-5470

271 Mumbree Lewis E @ ΔFE 2-5202

275 Brandt Wm R @ ΔFE 4-2277

James K blvd intersects

40

JOSLYN AV—From 725 N Perry north
beyond city limits

621 Tosich Danl D @ ΔFE 4-5717

625 Boyer Jas @ ΔFE 4-5253

628 Hallis Robt H @ ΔFE 4-8213

631 Falk Gustav H @

632 Edwards Benj J @ ΔFE 2-2958

635 Palaian Chas S @ vending machs

ΔFE 4-8237

638 Dart Seely C @ ΔFE 5-8916

641 Carls Wm L @ ΔFE 2-6739

642 O'Connor John J @ ΔFE 2-8591

645 Stevens Roland E @ ΔFE 2-5116

648 Moczarski Chester J @

ΔFE 2-4991

651 DeLorge Orman @ ΔFE 2-8002

652 Addison Geo L @ ΔFE 5-4870

658 Zdunski Jos jr @ ΔFE 2-2343

659 Meadows Morris G ΔFE 2-2615

662 Tate Rodney M @ ΔFE 2-8607

663 Mazza Frank @ gro ΔFE 5-8944

663 Mazza Frank @

665 Rule's Drug Store ΔFE 2-7900

668 Harrington John D @ ΔFE 4-1210

44

E Montcalm intersects

680 Scott Geo T @ ΔFE 4-6407

681 Haines Cecil R ΔFE 5-1459

684 Howard John K @ ΔFE 4-6363

685 Bartle Thos A @ ΔFE 4-3164

690 Kennedy Leo F @ ΔFE 5-6432

691 Jones Floyd E @ ΔFE 4-1739

694 Deweese Willard D @ ΔFE 4-7702

697 Johnston Ritchie E @ ΔFE 2-9361

700 Stoglin Pat @ ΔFE 4-9155

701 Kohn Geo L @ ΔFE 4-6666

704 Rheault Bernard J @ ΔFE 2-5722

705 Graham Norton R @ ΔFE 5-6961

Lowell intersects

715 Speck Eliz Mrs @ ΔFE 2-1783

716 Kubiak Norbert B @ ΔFE 4-3147

720 Bedford Grace M Mrs @

ΔFE 2-8324

721 Breckenridge Francis F @

ΔFE 4-3586

724 Meredith Emmett C @

ΔFE 5-8682

725 Doyle Thos J @ ΔFE 2-9034

730 Levitt Elmer E @ ΔFE 2-5990

731 Marczan Alf F @ ΔFE 4-2108

734 Horne Jay H @ ΔFE 4-4877

735 Behnke Elton D @ ΔFE 4-3809

740 Ellis Lewis W @ ΔFE 2-4445

741 Dearing Herbert C @ ΔFE 4-4281

E Kennett rd intersects

752 Lewis Frank @ ΔFE 2-1004

758 Baba Pauline Mrs @ ΔFE 2-4094

762 Beach Jos L @ ΔFE 2-2316

768 Vacant

Kascob av begins

778 Laschinsky John @ ΔFE 5-0204

784 Hubert Theo J @ ΔFE 2-3723

Markle av begins

50

Lenox av begins

Westbrook av begins

836 Burder Bros Service gas sta

ΔFE 3-9253

846 G M Lunch restr ΔFE 2-4657

850 Pontiac Mtr Fedl Credit Union

ΔFE 2-0296

891 Pontiac Mtr Auditorium

892 Talbot John W barber

ΔFE 2-9533

Marthas Beauty Shop ΔFE 2-6855

896 Vacant

897 Pontiac Mtr Engineering (Div

GMC) ΔFE 5-8088

LeBaron av begins

900 McKenna Hdw ΔFE 2-5489

910 Vacant

E Madison intersects

919 Stone Realty Co real est

ΔFE 2-0253

Miller Francis E real est

920-22 Schroeder & Tenjeros gro

924 Art & Lil's Tavern beer garden

ΔFE 3-8848

927 Bennett Benj A barber

936 Shamrock Soda Grill restr

ΔFE 3-9677

941 Father & Son Cins ΔFE 2-6424

952 Ganje Variety Store ΔFE 4-5644

974 Vacant

984 Smith C F Store gro ΔFE 3-9678

E Mansfield av inter-

sects

E Tennyson av inter-

sects

E Beverly av inter-

sects

52

1st av intersects

1004 Fraser Donald E osteo phys

ΔFE 4-0436

1006 Furtney's Drug Store

ΔFE 2-0236

1018 Georges Sandwich Shop restr

ΔFE 3-9811

1019 J & S Grocery ΔFE 3-9212

1059 Vacant

2d av intersects

1091 Nick's Mkt gro

Loulakis Nicholas ΔFE 5-3441

1095 Iverson Hans C telev repr

ΔFE 4-0801

1111 Schram Ivan W realtor

ΔFE 5-5091

3d av intersects

1140 Ewing Eug A @ ΔFE 4-3315

1143 StPaul's Lutheran Church

ΔFE 5-0404

4th av intersects

1156 Jackson Martin A @ ΔFE 5-2590

JOSLYN AVE 1955**JOSLYN AV—Contd****Columbia av inter -
sects**

1188 Sneed James D @ ΔFE 4-0142

Clara begins

1196 Louise's Gift Shop ΔFE 2-9470

1198 1/2 Church of Christ

1210 Mansfield Albert @ ΔFE 4-5394

Gassman Glenn A

1212 Joslyn Av United Presby Church

Clara av begins

1220 Hazlip Lyman C ΔFE 8-0649

1230 Rattew Arth E ΔFE 4-6831

1240 Black Thos A @ ΔFE 4-4871

Peacock av begins

1260 Shaw Wm C ΔFE 4-9093

1280 Heitjan Jos F @ ΔFE 4-0135

Grace av begins

1374 Malkin Edsel W W ΔFE 4-0027

GTWRR crosses

1376 Malkin Elta H Mrs @

ΔFE 5-0846

1430 Walton Radio & T V Service

ΔFE 2-2257

LaBarge Service Sta gas sta

ΔFE 3-9485

1448 Hertzog's Serv Sta ΔFE 3-9123

1457 Rock Arth @ ΔFE 7-8342

**E Walton blvd inter -
sects****Northfield av begins**

1517 Calvary Assembly Church

1540 Lamphere Walter G @

ΔFE 7-8623

1547 Meyers Harry J @ ΔFE 4-6494

1560 Pintamo Danl @ ΔFE 5-0097

1567 Goffar Chas L @ ΔFE 5-2193

Upland av begins

1576 Eberle Alf W @ ΔFE 7-8627

1600 Shelman Georgia Mrs @

ΔFE 7-8055

1619 Strevel Margt Mrs @

ΔFE 4-9095

1625 Pearson John E @

1639 Hibbs Jas E @ ΔFE 5-0951

Brooks av begins

1684 Quick Norman W ΔFE 7-8958

1685 Bibb Leon ΔFE 5-0866

1690 Boyle Harrel O @ ΔFE 7-8514

**Collier dr begins
City limits**

LEBARON AVE 1955

50

LE BARON AV—From Joslyn rd east
beyond Barkell av, 5 north of Kennett
rd

555 Lee Dora E Mrs @ ΔFE 5-3263
563 Evanoff Peter S @ ΔFE 4-5046
566 Phillips Cecil E @ ΔFE 4-5316
570 Harding Donald A @ ΔFE 4-1310
571 James Thos @ ΔFE 4-9617
574 Lawrence Thos L @ ΔFE 2-7509
578 Doty Verna M Mrs @ ΔFE 4-3394
579 Fields Carlton L @ ΔFE 4-0609
582 Salice Ernest @ ΔFE 2-9632
586 Zumbrunner Albert P ΔFE 2-3226
587 Comps Conrad S @ ΔFE 4-3857
590 Davidson Byron ΔFE 2-3719
Coleman Morris S ΔFE 2-3719
595 Losey Elton C @ ΔFE 4-4471
598 McCabe Thos J @ ΔFE 2-3327
599 Linsley Milton D @ ΔFE 2-8586
Barkell intersects
602 Newton Wm @ ΔFE 2-5593
603 Rohr Albert K @ ΔFE 4-4805
606 Troeger Fred O @ ΔFE 5-0700
607 Carlson Martin L @ ΔFE 2-6985
610 Eagling Basil L @ ΔFE 4-8374
611 Harroun Fred R @ ΔFE 4-3095
615 Cheyne Dennis L @ ΔFE 5-4256
626 Smith Jervis H @ ΔFE 2-7833
627 McKellar Chas E @ ΔFE 2-5308
Hawkins Floyd E @ ΔFE 2-5308
630 Welch Ray L @
636 Vacant
640 Mineweaser Robt W @ ΔFE 4-6404
641 Lillie Harry A @ ΔFE 4-3729
648 Mason Gilbert A @ ΔFE 4-0677
649 Dayner Harold T @ ΔFE 4-2940
650 Batzloff Raymond F @ ΔFE 5-2344
654 Bertolo Felicita Mrs @
Lyon Robt D ΔFE 5-8481
655 Sherrill Arth C @
658 Ridley Russell E @ ΔFE 5-4751
659 Quick Earl L @ ΔFE 5-4422
662 Richards Geo R @ ΔFE 4-3173

LEBARON AVE 1955

663 Carmichael Danl L @ ΔFE 2-8236
666 Hockenberry Edgar L @ ΔFE 2-1038
667 Justice John W @ ΔFE 2-1834

LENOX AVE 1955

**LENOX AV—From Joslyn av east be-
yond Hilburg av, 3 north of E
Kennett rd**

554 Barkeley Olga Mrs @ ΔFE 2-8614
559 Tick Edith M Mrs @ ΔFE 2-9842
560 Vacant
563 Hartha Aug @ ΔFE 3-7375
566 Larson Wm H @ ΔFE 2-5309
571 McDaniel Jack M @ ΔFE 4-4991
575 Brown Leo I @ ΔFE 4-7675
578 McCandless Wayne N @ ΔFE 2-9913
579 No Return
583 Root Lyle J @ ΔFE 2-6425
586 Maxwell John C @ ΔFE 2-8931
587 Baker Robt J @ ΔFE 4-9289
590 Vacant
591 Harbage Homer B @ ΔFE 4-8112
594 Schoenfelt Chas F
595 Franklin Clare B @ ΔFE 2-4496
598 Kreger Stuart R @ ΔFE 5-1590
599 Andrews Marvia A @ ΔFE 2-7637

Barkell av intersects

603 McMurray Saml A @ ΔFE 4-6427
615 Ellis Eug @ ΔFE 5-5087
619 McNamara Ivan E @ ΔFE 2-8644
622 Hebernton Joshua P @ ΔFE 2-4842
623 Fisher Wm J @ ΔFE 4-6757
631 Flippo Frank @ ΔFE 4-9700
634 Granflaten Elmer M @ ΔFE 2-7938
635 Kay Kenneth V @ ΔFE 4-3820
638 Harris Butler F @ ΔFE 4-4287
642 Judy Darrell @
642 Beck Kenneth V @ ΔFE 2-6405
646 Weir Roy D @ ΔFE 4-6903
651 Lawrence Harry G @ ΔFE 5-6430
654 Bieri Paul L @ ΔFE 2-8204
655 Finelli Don G
Perma Joseph @ ΔFE 4-7367
662 Mather Chas S Rev @ ΔFE 4-6980
663 Stonewell Melvin L @ ΔFE 4-7397
666 Rowles John E @

WESBROOK ST 1955

WESBROOK AV—From Joslyn av east
beyond Barkell av, 4 north of E
Kennett rd

558 Inabnit Theo @ ΔFE 4-6414
563 Smith Howard J @ ΔFE 4-4206
566 McDonald Geo J @ ΔFE 4-5754
567 Forester John W @ ΔFE 4-0798
570 Kreger Russell S @ ΔFE 2-1107
571 Mallory Norman L @
574 Davis Gilbert A @ ΔFE 4-9104
575 DeFloria James E @ ΔFE 5-9547
578 Carlson Elmer M @ ΔFE 2-3640
579 Allen Howard M @ ΔFE 2-7500
583 Dillon Frank B @
587 Gillette Jas V @
590 West Ward W @ ΔFE 5-3485
591 Brown Calvin L @ ΔFE 2-7017
594 Randall Frances C Mrs @
ΔFE 2-4722
595 Deyo Stanton L @ ΔFE 4-6963
598 Szot Edw @ ΔFE 4-7247
599 Kline Harold E @ ΔFE 4-9084

Barkell av intersects

601 VanDyke Cornelius @ ΔFE 4-6025
602 Sapleak Steph W @ ΔFE 2-1989
603 Hazlett Gladys Mrs @ mus tchr
607 Walsh Walter H @ ΔFE 2-0314
620 Chandler Marion L @ ΔFE 5-4487
626 Dempsey Walter C @ ΔFE 5-3630
627 Fugitt Wayne B @ ΔFE 2-3629
630 Stimson Hugh T @ ΔFE 2-4312
631 Hester Stanley J @ ΔFE 2-9347
634 Lawrence Glenn @ ΔFE 4-1991
635 Gartley Raymond E @ ΔFE 4-6072
638 Archer Juanita Mrs @ ΔFE 4-6072
639 Simpson Wm A @ ΔFE 4-5133
642 Hogg Lynn F @ ΔFE 4-4051
643 Fulcher Earl C @ ΔFE 2-6976
646 Moriarty Wm J @ ΔFE 2-5002
651 Hylla Wendelin M @ ΔFE 5-8842
654 Cole Robt R @ ΔFE 4-9680
658 Craycroft Benj L ΔFE 5-6693
659 Meggitt Raymond E @ ΔFE 4-7891
662 Monti Londo H ΔFE 5-0618
663 McDonel Mary Mrs @ ΔFE 5-5733
666 Rastz Gordon A @
667 Crivea Leo L @ ΔFE 5-2586

50

JOSLYN AVE 1950

JOSEPHINE AV S—Contd

1242 Caveney Thos A @
 1842 Dunigan Ocie J @
 Menominee rd ends
 1312 Watson Raymond L @
 1362 Walton Chas L @
 1372 Weber Marvis M @
 1412 Dunn Jos G @
 1422 Freeman Ronald D
 1472 Helgeson Harry N @
 1532 Richardson Mayron A @

29

Voorhis rd intersects

1852 Hart Richd F @
 1902 Blageier Benj @
 1912 Stewart Jas C @
 1942 Gledy Saml @
 1972 Middleton Claude B @
 Smith dr begins

2012 Shell Wm @
 2012 Hiffert Harold A @
 2052 Madden Alton B @
 2112 Turrell Jos L @
 2122 Benson Mahlin A @
 2202 Gillette Wm A @
 2212 Opland Carl R
 2242 Sheldon Donald G @
 2252 David Lawrence W @
 2312 Strausser Max L @
 2342 Kelsner Roland A @
 2352 Burnes Robt C @
 2402 Wood Forest R
 2412 Cognac Chas F @
 241 Tobatto Leon J @
 2452 O'Huway Albert G @
 2502 Hedding Edw J @
 2512 Harrell Danl @
 2542 McIntosh Roy G @
 2612 Petsoff Barbara Mrs @
 2622 Bradley Alice I Mrs @
 271 Mumbrose Linda E @
 2752 Brandt Wm B @

James K blvd intersects

40

JOSLYN AV—From 725 N Perry
north beyond city limits

6212 Tosch Danl @
 6252 Borer Jas @
 6282 Weicht Wm A @
 631 Falk Gustav J @
 6322 Edwards Benj J @
 6352 Palasin Chas S @
 6382 Dart Seely C @
 6412 Carls Wm L @
 6422 O'Connor John J @
 6452 Dumeau Vivian E Mrs @
 6482 Bonsta Hammond W @
 6512 DeLarge Ormond @
 6522 Stoglin Patterson M @
 6582 Vitastinsky Theo C
 6592 Wallace Wm @
 6622 Tate Rodney M @
 6632 Mazza Frank @ gro
 6634 Mazza Frank @
 6652 Hale Drug Store
 6682 Harrington John D @

44

E Malcolm intersects

6802 Miller Vernon W @
 6812 Grogan Garner H @
 6842 Howard John K @
 6852 Bartle Thos A @
 6902 Hennan Fred W @
 6912 Jones Floyd E @
 6942 Deweese Willard W @
 6972 Johnston Ritchie E @
 7002 Fleischauer Wm J @
 7012 Kohn Geo L @
 704 Vacant
 7052 Graham Norton R @

Lowell intersects

7152 Speck Henry F @
 7162 Kubink Norbert B @
 7202 Bedford Grace Mrs @
 7212 Breckenridge Francis F @
 7242 Meredith Emmett C @
 7252 Doyle Thos J @
 7302 Lavitt Elmer E @
 7312 Marzani Alf F @
 7342 Courteau Lewis E @
 7352 Befanke Elton D @
 7402 Ellis Lewis W @

7412 Hengling Herbert C @
 E Kennett rd intersects
 7422 Lewis Frank @
 7482 Hahn Pauline Mrs @
 7522 Beach Jos L @
 7532 Kempt Mary A Mrs @
 Rascoe av begins
 7752 Hiseock Wilbert T @
 7842 Hubert Theo J @

Markle av begins

50

Lenax av begins

Washbrook av begins
 8362 Burder Bros Service gasoline
 sta
 8502 Butler Ray W variety store
 8922 Talbot John W barber
 O'Good's Beauty Shop
 8952 Brasil Jack F clo cln

LeBaron av begins

9002 McKenna Hdw
 9102 Hylla Severin A gasoline sta
 E Madison intersects
 9182 Stone Realty Co real est
 920-2228 Savas Louis gro and meats
 9242 Art & Lili's Tavern beer
 garden

927 Bennett Benj A barber
 9302 Atkins Raymond A restr
 9522 Tofelsky Isabell M gifts
 Douglas Cleaners clo cln

E Mansfield av intersects

E Jeannysen av intersects

E Beverly av intersects

52

1st av intersects

9002 McKenna Hdw
 2d av intersects

10182 Van's Soda Grill restr
 1019 J & S Grocery
 1059 Free Methodist Ch
 10912 Pantel Christos @ gro
 109142 Thayer Roland C
 10922 McCallum Russell
 10952 Olverson Hans C radio repr

3d av intersects

Columbia av intersects

1140 Ewing Eng A
 1148 St Paul Lutheran Church

4th av intersects

11502 Jackson Martin A @
 11882 Ingram Coy @

Clara begins

11962 Louise's Gift Shop
 11964 Joslyn Av Hall

1210 Mansfield Albert @
 Penton Merl F

1212 Joslyn Av United Presby-
 terian Church

1219 Hazlip Lyman C
 1226 Vacant

12302 Stattery Joe F @
 Peacock av begins

12502 Bronson Harold J @
 12802 Heitjan Jos F @

Grace av begins

13742 Malkin Carl J @
 GTWRR crosses

13762 Schnaefer Herbert W
 14252 Malkin School

14302 LaBarge Service Sta gas sta
 E Walton blvd intersects

Northfield av begins
 Upland av begins

1517 Calvary Assembly Church
 15182 Lamphere Walter G @

15172 Meyers Harry J @
 1560 Pintano Danl @

15872 Goffar Chas L @
 1576 Eberle Alf W @

16002 Shelman Earl A @
 1618 Strevel Reed C @

16252 Pearson John E @
 Brooks av begins

16842 Kukus Fred C @
 16852 Bibb Leon

16902 Russell Ila M Mrs
 Collier dr begins

City limits

32

JOSLYN ROAD — Continuation of

Joslyn av beyond city limits
 17162 Biades Michl gro

LEBARON AVE 1950

LE BARON AV — From Joslyn rd
east beyond Hilburg av, S north
of Kennett rd

555 Lee Dora E Mrs Ⓢ
5630 Evamoff Peter S Ⓢ
5660 Phillips Cecil E Ⓢ
5700 Harding Donald A Ⓢ
5710 Hricko Fred D Ⓢ
5740 Lawrence Thos L Ⓢ
5780 Doty Verna M Mrs Ⓢ
5790 Fields Carlton L Ⓢ
5820 Hallee Gene V Ⓢ
5860 Zumbunner Albert P
5870 Comps Conrad S Ⓢ
5900 Taylor Russell A Ⓢ

LEBARON AVE 1950

502 Under construction

5955 Lasey Elton C @

5995 Linsley Milton D @

Hilburg av intersects

6024 Newton Wm @

6085 Decker Lloyd K @

6085 Miller Gordon W @

6074 Crites Wesley H

6104 Eagling Basil L @

6115 Harroun Fred R @

6155 Cheyne Dennis @

Hilburg av intersects

6274 McKellar Chas E @

628 Under construction

6302 Hibbs Fred @

6404 Mineweaser Rob W @

6414 Little Harry A @

646 Under construction

6485 Mason Gilbert A @

6495 Dayner Harold F @

6540 Bertolo Edw @

665 Shaffer Margt E Mrs @

678 Under construction

6595 Quick Karl L @

6620 Richards Geo H @

6630 Heigle Bruce M @

LENOX AVE 1950

50
LENOX AV—From Joslyn av east
beyond Hilburg av. S north of F
Kennett rd

5540 Barkeley Olga Mrs @

5590 Tick Ella F @

5600 Butler Susie F @

5640 Hartha Aug @

5660 Larson Wm H @

5750 Brown Leo I @

5780 McCandless Wayne N @

5790 Hamilton Norman L @

5830 Root Lyle J @

5870 Clinton Florence M Mrs

590 Vacant

5910 Harbage Homer E @

5950 Franklin Clare E @

5990 Andrews Marvin A @

Hilburg av intersects

602 Rice John @

6150 Walls Harold R @

6190 Coombs Kenneth L

6220 Moore Donald B @

6280 Fisher Wm J @

6310 Hippo Frank

633 Vacant

6340 Grandfaten Elmer M @

6350 Kay Kenneth V @

6380 Harris Butler H @

6440 King Robt E

6460 Weir Roy D @

6510 Lawrence Harry C @

6540 Meri Paul L @

6550 Perna Joe @

656 Under construction

6630 Stonwell Melvin L @

WESBROOK ST 1950

50
WESBROOK AV — From Jaslyn av
east beyond Hilburg av, 4 north
of E Kennett rd

5580 Chamberlin Chas D Ⓢ

5610 Smith Howard J Ⓢ

5660 McDonald Geo J Ⓢ

5700 Kreger Russell S Ⓢ

5710 Mallory Norman L Ⓢ

5710 Davis Gilbert A Ⓢ

5780 Carlson Elmer E Ⓢ

5790 Hershorvitz Elliott Ⓢ

5870 Gillette Jas V

588 Under construction

5900 West Ward W Ⓢ

5910 Randall Frances C Mrs Ⓢ

5950 Deyo Stanton L Ⓢ

596 Under construction

5990 Kline Harold R Ⓢ

Hilburg intersects

6010 Vandyke Cornelius Ⓢ

6020 Szpak Steph W Ⓢ

6030 Hazlett Gladys Mrs Ⓢ music
tchr

6070 Walsh Walter H Ⓢ

6270 Fugitt Wayne B Ⓢ

6340 Stinson Hugh T Ⓢ

631 Anderson Chas W Ⓢ

633 Under construction

634 Lawrence Glenn Ⓢ

6350 Gartley Raymond E Ⓢ

6380 Schoof Philip J Ⓢ

6390 Simpson Wm A Ⓢ

6420 Kirk Wm H Ⓢ

6430 Fulcher Earl C Ⓢ

6460 Moriarty Wm J Ⓢ

6510 Hylla Wendell M Ⓢ

6540 Cole Robt H Ⓢ

6580 Lapides Jack W Ⓢ

6590 Megitt Raymond E Ⓢ

661 Under construction

6620 Monti Lando

6670 Licatton Mark A Ⓢ

JOSLYN AVE 1945

JOSLYN AV—From 725 N Perry
north beyond city limits

621△Tosch Danl @

△Wood Nell D @

625 Boyer Jas @

628△Vandenberg Russell R @

631 Falk Gustav H @

632 Edwards Benj J @

635△Henson Ambrose B @

638 Dart Seely C @

641△Carls Wm L @

642△O'Connor John J @

645△Barton Oscar M

648△DeWeese Millard @

651 DeLarse Ormond @

652 Stoglin Patk

658△Jacquin Ralph E @

659△Parker Sanderson A @

662△Warwick Arth

663△Mazza Frank @ gro

663△Capagna Arnold

666△Rule Orville E drugg

668△Harrington John D @

E Main st intersects

680 Haines Isabel

681 Greene Garret H

684△Howard John K

685△Bartle Thos A @

690 Steele Fred @

691△Jones Floyd E @

694△Metz Chas E @

697△Johnston Rachle E @

700△Fleischauer Wm J @

701 Dean Alva J @

704△Bailey Myron L @

705△Batterlee Fredk R @

Lowell intersects

715△Speck Henry F @

716 Kubink Norbert @

720△Myers Henry S @

721 Breckenridge Francis F @

724 Chisholm Donald A @

725△Doyle Thos J

730△Swanson Alma Mrs @

731△Marezan Alf F @

734△Courteau Louis E @

735△Behrke Ethel D @

740△Ellis Lewis W @

741△Deering Herbert C @

E Kennett rd intersects

752 Lewis Frank @

758△Gilchrist Archie

762△Beach Joe L @

768 Kempf Mary A Mrs

Raskob begins

778△Hiscock Wilbert T @

784△Hubert Thos J @

Kirkle av begins

Lerox av begins

Wicksok av begins

Lafayette av begins

JOSLYN AVE 1945

910△LeBaron Service Station
 E Madison intersects
 920-22△Joslyn Super Food Mkt
 KROS
 924 Art & Lil's Tavern restr
 E Mansfield av intersects
 E Tennyson av intersects
 E Beverly av intersects
 First av intersects
 Second av intersects
 1059 Hutchinson Gladys Mrs
 1039 Free Methodist Mission Ch
 rear Wortman Jas W
 1091△Pantel Christos @ gro
 1092 McCallum Russell
 rear Vacant
 Third av intersects
 Fourth av intersects
 Columbia av intersects
 1188 Vacant
 Clara begins
 1212 Joslyn Av United Presby-
 terian Church
 1220△Hitchcock Wilbur P
 1228 Knoll Henry K
 1240△Slattery Jas F
 Peacock av begins
 1260 March Ernest C @
 1280 Heltjan Jos F @
 Grace av begins
 1374△Malkin Carl J @
 GTWRR crosses
 1376△Milligan Ralph D
 1425 Malkin School
 E Walton blvd intersects
 Northfield av begins
 Upland av begins
 1540 Lamphere Walter G @
 1560 Pierson Grafton @
 1600△Shelman Earl A @
 Brooks av begins
 1684△McWethy Kyle J
 1690 Wilson Ocal L @
 Collier dr begins
 City limits

LEBARON AVE 1945

LE BARON AV — From Joslyn rd
east beyond Hilburg av, S north
of Kennett rd

563 Δ Eyanoff Peter S ☉

565 Vacant

570 Wharry Leo R ☉

574 Δ Lawrence Thos L ☉

578 Bennett Ezra D ☉

582 James Henry ☉

586 Δ Hageman Walter A ☉

590 Δ Taylor Russell A ☉

595 Δ Eskridge Monte L ☉

599 Δ Lindsey Milton D ☉

Hilburg av intersects

601 Vacant

602 Δ Newton Wm ☉

606 Δ Dipsinski Sylvester J ☉

609 Vacant

610 Eagling Jas A ☉

617 Δ McKellar Chas E ☉

612 Vacant

619 Vacant

640 Vacant

647 Vacant

648 Vacant

LENOX AVE 1945

LENOX AV — From Joslyn Av
east beyond Hilburg av. 3 north
of E Kennett rd

550 Δ Tick A Fay Ⓢ

563 Harle Aug Ⓢ

566 Δ Larson Wm H Ⓢ

575 Δ Sutherland Vern Ⓢ

578 Δ McCandless Wayne N Ⓢ

579 Δ Yeager Anthony Ⓢ

583 Δ Root Lyle J Ⓢ

587 Flynn Edw G Ⓢ

591 Harbage Homer B Ⓢ

595 Stuart Freeman A Ⓢ

600 Δ Andrews Marvin A Ⓢ

Hilburg av intersects

634 Δ Granlsten Elmer M Ⓢ

636 Δ Dodd Hugh J Ⓢ

638 Δ Harris Butler M Ⓢ

651 Lawrence Harry G Ⓢ

654 Bieri Paul L Ⓢ

655 Δ Perna Jos Ⓢ

WESBROOK ST 1945

WESBROOK AV — From Joslyn
av east beyond Hilburg av, 4
north of E Kennett rd

558△Kittle Earl G ①

563△Smith Howard J ①

566 Dunbar Jas R ①

570△Schultz Wm H ①

571△Mallory Norman L ①

574△Carter Clayton A ①

578△Carlson Elmer E ①

579△Whitlock Chas O ①

587 Kline Amos M ①

590△Bracey Basil L ①

594△Randall Carrie Mrs ①

595△Heathman Paul

599△Kline Harold R ①

Hilburg intersects

601△Vandyke Cornelius ①

602 Biddle Victor J ①

603△Hasseth Elmer M ①

607△Walsh Walter H ①

627 Fugitt Wayne ①

631△Benson Paul R ①

635△Gartley Raymond E ①

639△Brown Leonard ①

643△Fulcher Earl C ①

JOSLYN AVE 1941

JOSLYN AV—From 725 N Perry
north beyond city limits

621 Kennedy John S
625 Boyer Jas
628 Leach Danl
631 Collins Nettie Mrs
632 Edwards Danl J
635 Owens Claude T
638 Dart Seely C @
641 Vacant
642 O'Connor John J @
643 Reidebaugh Richd A
648 Kane Jos P
651 Boyer Paul E
652 Kelly Lillian M Mrs
658 Wright Harvey D
659 Grutz Marshall W
662 Schmittou Anderson
663 Mazza Frank @ 470
665 Rule's Drug Store
668 Farley Russell

E Montcalm intersects

680 Duross Dennis P
681 Grogan Garner H
684 Howard John K
685 Bartle Thos A @
690 Lane Richd B
691 Jones Floyd E @
694 Webb Wm C
697 Johnston Ritchie E @
700 Fleischauer Wm J @
701 Dean Alva J @
704 Bailey Myron L @
705 Cunningham Wm L

Lowell intersects

715 Speck Henry F @
Stengle Rudolph F
716 Coleman Morris S
Taylor Russell A
720 Myers Henry S @
721 Bronstein Edw I @
724 Potter Wm T
725 Doyle Thos J
730 Vacant
731 Marczan Alf F @
734 Courteau Lewis E @
735 Behnke Elton D @
740 Ellis Lewis W @
741 Dearing Herbert C

E Kennett rd intersects

752 Wood Foster E
758 Theriault Wm G
762 Beach Jos L
768 Kempf Aug C @

Raskob begins

778 Hiseock Wilbert T @
784 Hubert Thos J @

Markle av begins

Lenox av begins

Wesbrook av begins

LeBaron av begins

810 Hylla's Super Service filling
sta.

E Madison intersects

819 LeBaron Land Co (tr) real
est

Martin Thos C

920-22 Joslyn Cash Market gros

JOSLYN AVE 1941

JOSLYN AV—Contd

924 Art & LI's Tavern restr

E Mansfield av intersects

E Tennyson av intersects

E Beverly av intersects

First av intersects

Second av intersects

1059 Vacant

10914 Pantel Christos @ gro

1092 Dunlap Geo

rear Newell Chas C @

Third av intersects

Fourth av intersects

Columbia av intersects

1188 Vallancourt Wm

Clara begins

1212 Joslyn Av United Presby-

terian Ch

1220 Jewell Annamae Mrs

1226ΔRoyle Jas E @

1240ΔDennison Jack S @

Peacock av begins

1240 VanKuren Andrew I @

1280 Lawrence Otto A @

Grace av begins

1374ΔMalkin Carl J @

GTWRR crosses

1384ΔKraft O Bert

1425 Malkin School

E Walton blvd intersects

Northfield av begins

Upland av begins

1448 Davis Riley W filling sta

1600 Shelman Earl A @

Brooks av begins

1684 Jenkins Clifford E

1690ΔSierakowski Max @

Collier dr begins

City limits

LEBARON AVE 1941

LE BARON AV — From Joslyn rd
east beyond Hilburg av, 5 north
of Kennett rd

5700 Strong Lynn J Ⓢ

5950 Bragg Claude I Ⓢ

5990 Linsley Milton D Ⓢ

Hilburg av intersects

6020 Scheele Steven Ⓢ

606 Dipszinski Sylvester J Ⓢ

6100 Mason Manford E Ⓢ

6270 McKellar Chas E Ⓢ

LENOX AVE 1941

LENOX AV — From Joslyn as east
beyond Hilburg av, 3 north of E
Kennett rd

566-0 Larson Wm H @

575-0 Sutherland Vern

578-0 McCandless Wayne N @

579-0 Todd Merle @

583-0 Root Lyle J @

587 Flynn Edw G @

591 Harbage Homer B @

595 Stuart Freeman A @

599-0 Andrews Marvin A @

Hilburg av intersects

634-0 Granflaten Elmer M

635 Vacant

638 Stotts Chester @

651 Penn Michl @

654 Russell Marion W @

655-0 Perna Jos @

WESBROOK ST 1941

WESBROOK AV—From Joslyn av
east beyond Hilburg av, 4 north
of E Kennett rd

538 Kittle Earl G Ⓢ

563 Pahorezki Jos J

568 Dohlen Jas S

570△Schultz Wm H Ⓢ

571 Boyd Benj G

574△Cates Clayton A Ⓢ

578 Carlson Elmer E Ⓢ

579 Buhl Wm Ⓢ

587△Kline Amos M Ⓢ

590△Brady Basil L Ⓢ

594△Randall Carrie Mrs Ⓢ nurse

599△Kline Harold H Ⓢ

Hilburg intersects

602 Biddle Victor J

607 Walsh Walter H Ⓢ

643△Fulcher Earl C Ⓢ

JOSLYN AVE 1935

**JOSLYN AV—From 725 N Perry north
beyond limits**

621 Gruber Earl L
625 Denton Jas H
628 Bowman John H
631 Crawford Neil A
632 Sterling Warren A
635 Owens Claude T
638 Dart Selly C @
641 Bowers Harley A
642 O'Connor John J @
645 Fullerton Chas E
648 Denton Ray E
651 Boyer Paul E
652 Kelly Fred M
658 Smith Benj F
659 Gaty Marshall
662 Manning Lawrence
668 Baldwin Ora B

Montcalm intersects

680 Duross Dennis P
681 Vacant
684 Phillips Raymond
685 Bergquist Richd
690 Parrott Frank G
691 Bainter Ernest C
694 Field Ellis A
697 Johnston Ritchie E @
700 Fleischauer Wm J @
701 Cronin Wm
704 Nicholas Reginald @
705 Vacant

Lowell intersects

715 Genez Robt E
Speck Henry F
716 Taylor Russell A
720 Myers Henry S @
721 Anderson Stanley T
724 Harrison Jas R
725 Doyle Thos J
730 Bigham Desmond
731 Marczan Alf P @
734 Courteau Edw
735 Behnke Elton D @
740 Viola Wm N @
741 Dearing Herbert C

E Kennett rd intersects

752 Patterson Winifred
758 Inman DeForest C
762 Rice Howard
768 Kempf Aug C @

Raskob intersects

778 Vacant
784 Osborn Archie J

Markle av intersects

909 McBride Service Station
910 LeBaron Super Service
920 Peebles J C Drug Store
922 Joslyn Cash Market gros
924 Joslyn Cafe

E Mansfield av intersects

E Tennyson av intersects

E Beverly av intersects

First av intersects

Second av intersects

1059 Vacant
1091 Pantel Kriss gro
1092 Wood Wm W
1155 Welch & Doerr real est (br)
1165 Vacant

Columbia av intersects

JOSLYN AVE 1935

JOSLYN AV—Contd

1188 Martin Oliver filling sta
Martin Oliver

1195 Vacant

Clara intersects

1212 Joslyn Av United Presbyterian
Church

1220 Peters Robt S @

1226 Drake Albert A

1240 Peters Geo D

Peacock av intersects

1260 Vacant

1266 Vacant

1272 Vacant

Grace av intersects

1276 Malhim Carl

1284 Malkim Martha Mrs

sw cor Malkim School

E Walton blvd intersects

LEBARON AVE 1935

**LE BARON AV—From Joslyn rd east to
Baker av, 5 north of Kennett rd**

570 Arntz Warren L

595 Cox John A

599 Kistner Chas

602 Klueh Hilda Mrs

606 Weinans Geo J

610 Chandler Edwin A

627 Daniels Walter D

LENOX AVE 1935

**LENOX AV—From Joslyn av east beyond
Barkell, 3 north of E Kennett rd**

566 Nichols Harry D
575 Vacant
578 Nelson John W
579 Vacant
583 Vacant
587 Vacant
591 Harbage Homer B @
595 Simpkins Geo H
599 Vacant
634 Vacant
635 Colbert P D
638 Miller Geo M
651 Coombe Wm D
654 Vacant
655 Cargill Walter @

WESBROOK ST 1935

**WESBROOK AV—From Joslyn av east
beyond Barkell, 4 north of E Kennett
rd**

558 VerLee John
563 Vacant
566 Donlen Jas S
570 Chapman Muril J
571 Wood Mary J Mrs
574 Chisholm John
578 Gammage Royal S
670 Curry Chas E
587 Mirovisky Albert A
590 Schell Floyd F
594 Vacant
599 Cooper Robt M
602 Vacant
607 Barnfather Fred C
643 Fulcher Earl C

JOSLYN AVE 1930

JOSLYN AV—From 725 N Perry north
beyond city limits

Oliver intersects

621 White Wm D
Newton Harry L
625 Daugherty Clarence
628 Frericks Geo
631 Whitfield Donald A
632 Graham Geo C
635 Morrison John D
638 Dart Selly C
641 Ballagh Jay W
642 O'Connor John J
645 Cole Wm W
651 (69) Kendall Henry
652 Mundy Peter V
658 Smith Benj F
659 (75) Woods Walter L
662 (80) Reardon Jas M
668 (86) Thompson John D

Montcalm ends

680 Bennett Ezra D
681 (99) Alvin Ira
684 (Kemp Rudolph H
685 (103) Miller Anthony T
690 Gallagher Chas D
691 (107) Corrigan Emmett W
694 (114) Seefried Victor C
697 Johnson Richd E
700 (118) Fleischauer Wm J
701 (117) Kidwell Ira R
704 Nicholas Reginald
705 (123) Edwards Geo F

Lowell ends

715 (133) Speck Henry F
716 (132) Brugler Marie L Mrs
720 (138) Myers Henry S
721 Bird Lorne C
724 Boston Carl E
725 (141) Gallie Ralph A
730 (148) Lamont John R
731 (149) Marczan Alf F
734 Statlind John H
735 (155) Behnke Elton D
740 (158) Viola Wm N
741 (159) Allen Newman S
752 Jackson Thos J
758 Johnson Merritt L
762 Hager Wm L
768 Kempf Aug C
778 Schleicher Otto
784 DeFlorio Anton
916 Westbrook-Lane Realty Co
920 Coles-Wilcox Drug Co
Coles Alf H

924-26 Joslyn Cash Market gro

E Mansfield av intersects

E Tennyson av intersects

E Beverly av intersects

First av intersects

Second av intersects

JOSLYN AVE 1930

1091 Perna Jos gro

1092 Brinkey Elmer A

Third av intersects

Fourth av intersects

1155 McCrary R J contr

Welch & Doerr real est

Reedy Jas I gro

E Columbia av intersects

1200 Vacant

Clara av Intersects

1212 Joslyn Av United Presbyterian
Church

1220 Peters Robt S

1226 Elmy Robt A

1940 Stanley Fred C

Peacock av intersects

1272 West Clarence

Grace av intersects

1276 Simmons Jas

1284 White Jesse

E Walton Blvd intersects

SW cor Malkin School

(Other houses not numbered)

LEBARON AVE 1930

**LE BARON AV—From Joslyn rd east to
Baker av, 5 north of Kennett rd**

570 Behl Floyd

595 Vickery Chas A

599 Crockett Oscar L

602 Vacant

606 Daugherty Jess L

610 Grant Jos A

LENOX AVE 1930

LENOX AV—From Joslyn av east beyond Barkell, 3 north of E Kennett rd

566 Vacant
575 Vacant
578 Starr Merle E
579 Morrison Earl A
583 Vacant
587 Brooks Wilbur
591 Harbage Homer B
593 Slocum Ward
599 Dennis Geo H
635 Bergquist Ernest A
634 Peabody Mark J
638 Miller Lauritz J
651 Vancel Leo
654 Vacant
655 Cargill Walter

WESBROOK ST 1930

**WESBROOK AV—From Joslyn av east
beyond Barkell, 4 north of E Kennett
rd**

558 Taylor Russell I
563 Vacant
566 Keel Fred
570 Vacant
571 Vacant
574 Vacant
578 Wise Wm P
579 Craddock Elliott
586 Vacant
587 Vacant
590 Spicer Walt H
594 Bolton Fred D
599 Frost Clarence E
602 Bigler Wm
607 Stanton Frank S

JOSLYN AVE 1925

**JOSLYN—From 725 N Perry n
beyond city limits****Oliver**

39 Floyd M Hadley
45 Clarence E Dougherty
46 Steph Gay
49 Geo Hershberger
52 Louis R Reynolds
55 Ralph Moore
56 Howard Barley
59 Jas J Stevens
62 Max P Baker
65 Rene Guellec
66 John Brown
69 Roy V Weir
72 Wm Laverdure
75 Donald C Renwick
80 Chas E Myre
86 John D Thompson

Montcalm ends

98 Ray C Clark
99 Edw Gleason
103 Ralph Robinson
104 Rudolph Kempf
107 Emmett Corrigan
108 Irving H Stearns
113 Bennett H Tucker
114 Frank S Long
117 Ira R Kidwell

JOSLYN AVE 1925**JOSLYN—Contd****118 Wm J Fleischauer****122 Vacant****123 Mrs Mary Kennedy****Lowell ends****132 Henry S Myers****133 Vacant****137 Fred O Jacobs****138 Jas D Pembleton****153 David H Wilkinson**

ATTACHMENT 3

EDR REPORT

RACER Pontiac North Joslyn Ave Parcels

830 - 898 Joslyn Ave

Pontiac, MI 48340

Inquiry Number: 6130947.2s

July 23, 2020

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

830 - 898 JOSLYN AVE
PONTIAC, MI 48340

COORDINATES

Latitude (North):	42.6615450 - 42° 39' 41.56"
Longitude (West):	83.2797760 - 83° 16' 47.19"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	313153.2
UTM Y (Meters):	4725536.5
Elevation:	987 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6066316 PONTIAC NORTH, MI
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140721
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
830 - 898 JOSLYN AVE
PONTIAC, MI 48340

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	VACANT LOT	NE CORNER JOSLYN & L	MI LUST	Lower	83, 0.016, SSW
A2	GM CPC PONTIAC 307	895 JOSLYN @ 1 PONTI	MI INVENTORY, MI PART 201	Lower	549, 0.104, North
A3	POWERTRAIN GLOBAL HE	895 JOSLYN	MI AST	Lower	549, 0.104, North
A4	GM POWERTRIAN	850 GLENWOOD MAIL CO	MI LUST, MI UST, MI INVENTORY, MI SPILLS, MI...	Lower	549, 0.104, North
A5	GENERAL MOTORS	895 JOSLYN	MI AST	Lower	549, 0.104, North
B6	FATHER AND SON DRY C	956 JOSLYN RD	MI INVENTORY	Lower	747, 0.141, North
B7	FATHER AND SON CLEAN	956 JOSLYN AVE	RCRA-VSQG, FINDS, ECHO	Lower	747, 0.141, North
B8	FATHER & SON DRY CLE	956 JOSLYN	MI DRYCLEANERS, MI WDS	Lower	747, 0.141, North
C9	GM PONTIAC SITE OPER	1 PONTIAC PLZ	MI LUST, MI UST, MI INVENTORY	Lower	1153, 0.218, SW
C10	GM PONTIAC PONTIAC N	1 PONTIAC	MI AST	Lower	1153, 0.218, SW
11	PERRY MOUNT PARK CEM	878 N PERRY ST	MI LUST, MI UST	Higher	1668, 0.316, SE
D12	USPS-PONTIAC PROCESS	711 NORTH GLENWOOD A	MI BEA, MI NPDES	Lower	1684, 0.319, SW
D13	US POSTAL SERVICE	711 N GLENWOOD AVE	MI AUL, MI SPILLS, MI WDS	Lower	1684, 0.319, SW
14	PONTIAC FIRE STATION	720 E MADISON AVE	MI LUST, MI UST	Lower	1784, 0.338, ENE
15	JOSLYN MINI MART, IN	1085 JOSLYN AVE	MI INVENTORY, MI Financial Assurance	Lower	1954, 0.370, North
E16	AGREE FACILITY NO. 1	690 N. MARTIN LUTHER	MI BEA	Lower	2266, 0.429, SSE
E17	JOSEPH CHARBONEAU	684 MARTIN LUTHER KI	MI LUST, MI INVENTORY, MI BEA	Lower	2382, 0.451, SSE
18	GENERAL MOTORS LLC	1251 JOSLYN AVE	CORRACTS, RCRA-SQG, ICIS, FINDS, ECHO	Lower	3799, 0.720, North
19	YRC INC	1280 JOSLYN AVE	RCRA-SQG, MI BROWNFIELDS, MI DEL PART 201, FINDS,...	Lower	4212, 0.798, NNE
20	REVITALIZING AUTO CO	200 E COLUMBIA AVE	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA NonGen /..	Lower	4542, 0.860, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
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

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

MI 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

MI SWF/LF..... Solid Waste Facilities Database

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

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

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

MI HIST LF..... Inactive Solid Waste Facilities

MI SWRCY..... Recycling Facilities

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

MI CDL..... Clandestine Drug Lab Listing

US CDL..... National Clandestine Laboratory Register

MI PFAS..... PFAS Contaminated Sites Listing

Local Land Records

MI LIENS..... Lien List

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites

DOD..... Department of Defense Sites

SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

TSCA..... Toxic Substances Control Act

TRIS..... Toxic Chemical Release Inventory System

EXECUTIVE SUMMARY

SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
MI AIRS.....	Permit and Emissions Inventory Data
MI ASBESTOS.....	ASBESTOS
MI COAL ASH.....	Coal Ash Disposal Sites
MI LEAD.....	Lead Safe Housing Registry
MI UIC.....	Underground Injection Wells Database
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

MI RGA PART 201.....	Recovered Government Archive State Hazardous Waste Facilities List
MI RGA LF.....	Recovered Government Archive Solid Waste Facilities List
MI RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

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

A review of the CORRACTS list, as provided by EDR, and dated 03/23/2020 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>GENERAL MOTORS LLC</i> EPA ID:: MIK622281269	<i>1251 JOSLYN AVE</i>	<i>N 1/2 - 1 (0.720 mi.)</i>	<i>18</i>	<i>43</i>
<i>REVITALIZING AUTO CO</i> EPA ID:: MID005356886	<i>200 E COLUMBIA AVE</i>	<i>NW 1/2 - 1 (0.860 mi.)</i>	<i>20</i>	<i>52</i>

Federal RCRA generators list

RCRA-VSQG: 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 03/23/2020 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>FATHER AND SON CLEAN</i> EPA ID:: MID017314113	<i>956 JOSLYN AVE</i>	<i>N 1/8 - 1/4 (0.141 mi.)</i>	<i>B7</i>	<i>21</i>

State and tribal leaking storage tank lists

MI LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the MI LUST list, as provided by EDR, and dated 01/08/2020 has revealed that there are 6

EXECUTIVE SUMMARY

MI LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PERRY MOUNT PARK CEM Release Status: Closed Facility Id: 00014210	878 N PERRY ST	SE 1/4 - 1/2 (0.316 mi.)	11	34
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VACANT LOT Release Status: Closed Substance Release: Unknown Facility Id: 50001946	NE CORNER JOSLYN & L	SSW 0 - 1/8 (0.016 mi.)	1	8
GM POWERTRIAN Release Status: Closed Release Status: Open Substance Release: Used Oil Substance Release: Unknown Substance Release: Gasoline Facility Id: 00038781	850 GLENWOOD MAIL CO	N 0 - 1/8 (0.104 mi.)	A4	10
GM PONTIAC SITE OPER Release Status: Closed Substance Release: Gasoline,Gasoline,Gasoline Facility Id: 00001623	1 PONTIAC PLZ	SW 1/8 - 1/4 (0.218 mi.)	C9	24
PONTIAC FIRE STATION Release Status: Closed Substance Release: Unknown Facility Id: 00001413	720 E MADISON AVE	ENE 1/4 - 1/2 (0.338 mi.)	14	40
JOSEPH CHARBONEAU Release Status: Open Facility Id: 50000848	684 MARTIN LUTHER KI	SSE 1/4 - 1/2 (0.451 mi.)	E17	42

State and tribal registered storage tank lists

MI UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the MI UST list, as provided by EDR, has revealed that there are 2 MI UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GM POWERTRIAN Database: UST, Date of Government Version: 05/07/2019 Tank Status: Currently In Use Tank Status: Removed from Ground Facility Type: ACTIVE Facility Id: 00038781	850 GLENWOOD MAIL CO	N 0 - 1/8 (0.104 mi.)	A4	10
GM PONTIAC SITE OPER Database: UST, Date of Government Version: 05/07/2019	1 PONTIAC PLZ	SW 1/8 - 1/4 (0.218 mi.)	C9	24

EXECUTIVE SUMMARY

Tank Status: Removed from Ground
Facility Type: CLOSED
Facility Id: 00001623

MI AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Natural Resources' Michigan AST database.

A review of the MI AST list, as provided by EDR, and dated 05/06/2020 has revealed that there are 3 MI AST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
POWERTRAIN GLOBAL HE Facility Id: 91084806 Removed/Closed Date: 10/23/2009 Tank Status: Emptied and Cleaned Tank Status: Currently In Use	895 JOSLYN	N 0 - 1/8 (0.104 mi.)	A3	9
GENERAL MOTORS Facility Id: 94000162 Tank Status: Currently In Use	895 JOSLYN	N 0 - 1/8 (0.104 mi.)	A5	20
GM PONTIAC PONTIAC N Facility Id: 91063102 Removed/Closed Date: 12/01/1998 Tank Status: Removed from Premises	1 PONTIAC	SW 1/8 - 1/4 (0.218 mi.)	C10	33

State and tribal institutional control / engineering control registries

MI AUL: A listing of sites with institutional and/or engineering controls in place.

A review of the MI AUL list, as provided by EDR, and dated 02/27/2020 has revealed that there is 1 MI AUL site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US POSTAL SERVICE	711 N GLENWOOD AVE	SW 1/4 - 1/2 (0.319 mi.)	D13	38

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

MI INVENTORY: The Inventory of Facilities has three data sources: Facilities under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) identified through state funded or private party response activities (Projects); Facilities under Part 213, Leaking Underground Storage Tanks of the NREPA; and Facilities identified through submittals of Baseline Environmental Assessments (BEA) submitted pursuant to Part 201 or Part 213 of the NREPA. The Part 201 Projects Inventory does not include all of the facilities that are subject to regulation under Part 201 because owners are not required to inform the Department of Environmental Quality (DEQ) about the facilities

EXECUTIVE SUMMARY

and can pursue cleanup independently. Facilities that are not known to DEQ are not on the Inventory, nor are locations with releases that resulted in low environmental impact. Part 213 facilities listed here may have more than one release; a list of releases for which corrective actions have been completed and list of releases for which corrective action has not been completed is located on the Leaking Underground Storage Tanks Site Search webpage. The DEQ may or may not have reviewed and concurred with the conclusion that the corrective actions described in a closure report meets criteria. A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

A review of the MI INVENTORY list, as provided by EDR, and dated 04/20/2020 has revealed that there are 6 MI INVENTORY sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GM CPC PONTIAC 307 Facility ID: 63000858	895 JOSLYN @ 1 PONTI	N 0 - 1/8 (0.104 mi.)	A2	8
GM POWERTRIAN Facility ID: 00038781	850 GLENWOOD MAIL CO	N 0 - 1/8 (0.104 mi.)	A4	10
FATHER AND SON DRY C Facility ID: 63005274	956 JOSLYN RD	N 1/8 - 1/4 (0.141 mi.)	B6	21
GM PONTIAC SITE OPER Facility ID: 00001623	1 PONTIAC PLZ	SW 1/8 - 1/4 (0.218 mi.)	C9	24
JOSLYN MINI MART, IN Facility ID: 63500550	1085 JOSLYN AVE	N 1/4 - 1/2 (0.370 mi.)	15	41
JOSEPH CHARBONEAU Facility ID: 50000848	684 MARTIN LUTHER KI	SSE 1/4 - 1/2 (0.451 mi.)	E17	42

MI PART 201: A Part 201 Listed site is a location that has been evaluated and scored by the DEQ using the Part 201 scoring model. The location is or includes a "facility" as defined by Part 201, where there has been a release of a hazardous substance(s) in excess of the Part 201 residential criteria, and/or where corrective actions have not been completed under Part 201 to meet the applicable cleanup criteria for unrestricted residential use. The Part 201 List does not include all of the sites of contamination that are subject to regulation under Part 201 because owners are not required to inform the DEQ about the sites and can pursue cleanup independently. Sites of environmental contamination that are not known to DEQ are not on the list, nor are sites with releases that resulted in low environmental impact.

A review of the MI PART 201 list, as provided by EDR, and dated 10/01/2013 has revealed that there is 1 MI PART 201 site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GM CPC PONTIAC 307 Facility Status: Contact Lead Division for current status Facility ID: 63000858	895 JOSLYN @ 1 PONTI	N 0 - 1/8 (0.104 mi.)	A2	8

MI DEL PART 201: A deleted site has been removed from the Part 201 List because information known to the DEQ at the time of the evaluation does not support inclusion on the Part 201 List. This designation is often applied to sites where changes in cleanup criteria resulted in a determination that the site no longer exceeds any applicable cleanup criterion. A delisted site has been removed from the Part 201 List because response actions have reduced the levels of contaminants to concentrations which meet or are below the criteria for unrestricted residential use.

A review of the MI DEL PART 201 list, as provided by EDR, and dated 08/01/2013 has revealed that

EXECUTIVE SUMMARY

there is 1 MI DEL PART 201 site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
YRC INC Facility Id: 63000003	1280 JOSLYN AVE	NNE 1/2 - 1 (0.798 mi.)	19	49

Other Ascertainable Records

MI BEA: A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

A review of the MI BEA list, as provided by EDR, and dated 08/21/2013 has revealed that there are 3 MI BEA sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
USPS-PONTIAC PROCESS	711 NORTH GLENWOOD A	SW 1/4 - 1/2 (0.319 mi.)	D12	37
AGREE FACILITY NO. 1	690 N. MARTIN LUTHER	SSE 1/4 - 1/2 (0.429 mi.)	E16	42
JOSEPH CHARBONEAU	684 MARTIN LUTHER KI	SSE 1/4 - 1/2 (0.451 mi.)	E17	42

MI DRYCLEANERS: A listing of drycleaning facilities in Michigan.

A review of the MI DRYCLEANERS list, as provided by EDR, and dated 12/12/2019 has revealed that there is 1 MI DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FATHER & SON DRY CLE Establishment#: 6300315 Establishment#: 6300017	956 JOSLYN	N 1/8 - 1/4 (0.141 mi.)	B8	23

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

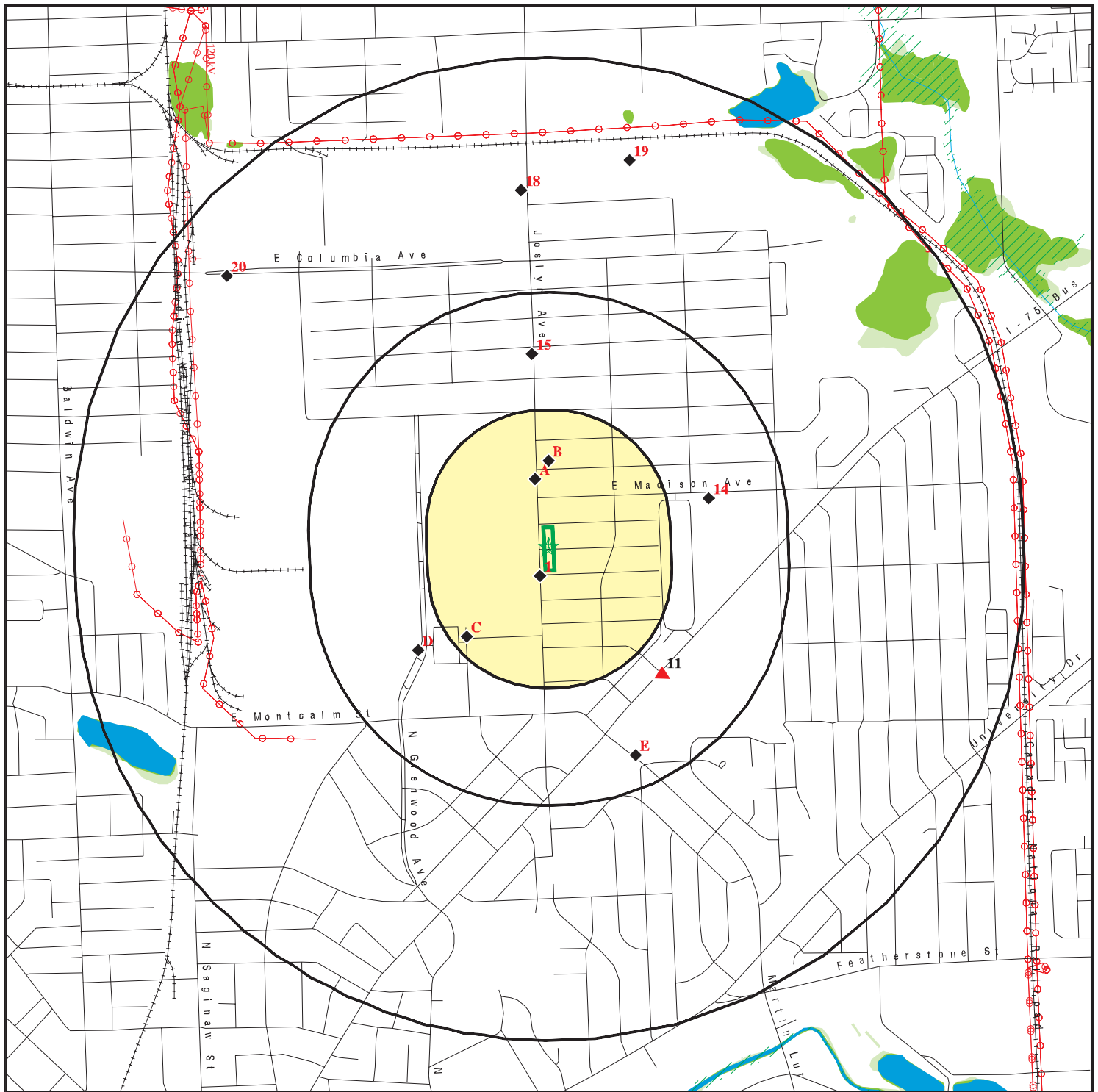
Site Name

GENERAL MOTORS LLC

Database(s)

CORRACTS, RCRA-LQG, PADS

OVERVIEW MAP - 6130947.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

0 1/4 1/2 1 Miles

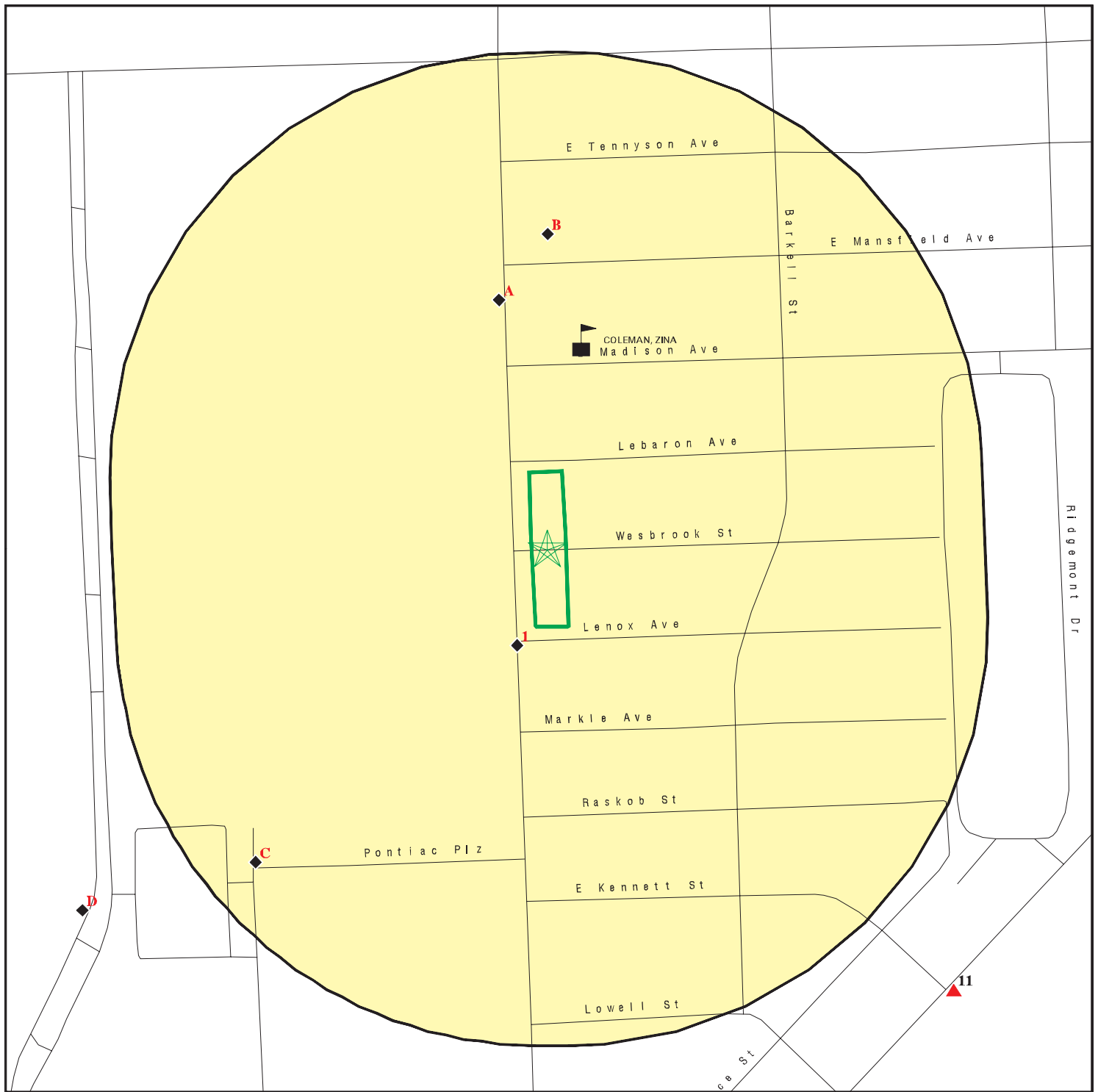


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: RACER Pontiac North Joslyn Ave Parcels
 ADDRESS: 830 - 898 Joslyn Ave
 Pontiac MI 48340
 LAT/LONG: 42.661545 / 83.279776

CLIENT: ARCADIS U.S., Inc.
 CONTACT: Brad Saunders
 INQUIRY #: 6130947.2s
 DATE: July 23, 2020 8:58 am

DETAIL MAP - 6130947.2S



-  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
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard

0 1/16 1/8 1/4 Miles



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

SITE NAME: RACER Pontiac North Joslyn Ave Parcels
 ADDRESS: 830 - 898 Joslyn Ave
 Pontiac MI 48340
 LAT/LONG: 42.661545 / 83.279776

CLIENT: ARCADIS U.S., Inc.
 CONTACT: Brad Saunders
 INQUIRY #: 6130947.2s
 DATE: July 23, 2020 8:58 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	2	NR	2
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	1	NR	NR	NR	1
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
MI SHWS	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
MI SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
MI LUST	0.500		2	1	3	NR	NR	6
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MI UST	0.250		1	1	NR	NR	NR	2
MI AST	0.250		2	1	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
MI AUL	0.500		0	0	1	NR	NR	1
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
MI 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								
MI HIST LF	0.500		0	0	0	NR	NR	0
MI SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
MI INVENTORY	0.500		2	2	2	NR	NR	6
MI PART 201	1.000		1	0	0	0	NR	1
MI CDL	TP		NR	NR	NR	NR	NR	0
MI DEL PART 201	1.000		0	0	0	1	NR	1
US CDL	TP		NR	NR	NR	NR	NR	0
MI PFAS	0.500		0	0	0	NR	NR	0
Local Land Records								
MI LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
MI SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
MI AIRS	TP		NR	NR	NR	NR	NR	0
MI ASBESTOS	TP		NR	NR	NR	NR	NR	0
MI BEA	0.500		0	0	3	NR	NR	3
MI COAL ASH	0.500		0	0	0	NR	NR	0
MI DRYCLEANERS	0.250		0	1	NR	NR	NR	1
MI Financial Assurance	TP		NR	NR	NR	NR	NR	0
MI LEAD	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		0	0	NR	NR	NR	0
WI MANIFEST	0.250		0	0	NR	NR	NR	0
MI NPDES	TP		NR	NR	NR	NR	NR	0
MI UIC	TP		NR	NR	NR	NR	NR	0
MI WDS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
MI RGA PART 201	TP		NR	NR	NR	NR	NR	0
MI RGA LF	TP		NR	NR	NR	NR	NR	0
MI RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	8	7	9	3	0	27

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
SSW
< 1/8
0.016 mi.
83 ft.

VACANT LOT
NE CORNER JOSLYN & LENOX
PONTIAC, MI 48202

MI LUST **S102851933**
N/A

Relative:
Lower

LUST:

Actual:
986 ft.

Name: VACANT LOT
Address: NE CORNER JOSLYN & LENOX
City,State,Zip: PONTIAC, MI 48202
Facility ID: 50001946
Source: STATE OF MICHIGAN
Owner Name: Gm Corp
Owner Address: ARGONAUT "A-1004H M/C 482-310004 485 W MILWAUKEE AVE
Owner City,St,Zip: DETROIT, MI 48202
Owner Contact: Not reported
Owner Phone: (313) 556-0821
Country: USA
District: Warren
Site Name: GM Corporation
Latitude: 42.66070
Longitude: -83.28013
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0889-96
Release Date: 11/01/1996
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 11/12/1998

A2
North
< 1/8
0.104 mi.
549 ft.

GM CPC PONTIAC 307
895 JOSLYN @ 1 PONTIAC PLAZA
PONTIAC, MI 48340

MI INVENTORY **S103594526**
MI PART 201 **N/A**

Site 1 of 4 in cluster A

Relative:
Lower

INVENTORY:

Actual:
981 ft.

Name: GM CPC PONTIAC 307
Address: 895 JOSLYN @ 1 PONTIAC PLAZA
City,State,Zip: PONTIAC, MI 48340
Bea Number: Not reported
Township: Pontiac
District: Southeast MI
Data Source: Part 201
Latitude: 42.65971
Longitude: -83.29088

PART 201:

Facility ID: 63000858
Facility Status: **Contact Lead Division for current status**
Source: Automotive Stamping
SAM Score: 36
SAM Score Date: 02/03/2004
Township: 03N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM CPC PONTIAC 307 (Continued)

S103594526

Range: 10E
Section: 20
Quarter: NE
Quarter/Quarter: NE
Pollutants: 1,2 DCA; PCB's; Metals; PNAs

A3
North
< 1/8
0.104 mi.
549 ft.

POWERTRAIN GLOBAL HEADQUARTERS
895 JOSLYN
PONTIAC, MI 48340

MI AST A100354388
N/A

Site 2 of 4 in cluster A

Relative:
Lower

AST:

Actual:
981 ft.

Name: POWERTRAIN GLOBAL HEADQUARTERS
Address: 895 JOSLYN
City: PONTIAC
Zip: 48340-2920
Facility ID: 91084806
Facility Phone: (248) 857-4727
Owner Name: POWERTRAIN GLOBAL HEADQUARTERS
Owner Address: 895 JOSLYN RD MC 483-710-106
Owner City,St,Zip: PONTIAC, MI 48340
Owner County: Not reported
Owner Contact: Meghan Fischer
Owner Telephone: 2484098974
District: 1
Contact: Mary Morgan
List Status: Not reported
Date of Collection: Not reported
Accuracy: Not reported
Source: Not reported
Point Line Area: Not reported
Description Category: Not reported
Method of Collection: Not reported
Horizontal Datum: Not reported
Latitude: Not reported
Longitude: Not reported

Tank Id: ATK-124228-15
Tank Status: Emptied and Cleaned
Capacity (in gallons): 2999
Installation Date: 08/28/2008
Substance Stored: Diesel
Removed/Closed Date: 10/23/2009

Tank Id: ATK-137540-15
Tank Status: Currently In Use
Capacity (in gallons): 3000
Installation Date: 10/19/2010
Substance Stored: Diesel
Removed/Closed Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A4
North
< 1/8
0.104 mi.
549 ft.

GM POWERTRIAN
850 GLENWOOD MAIL CODE 483-710-1
PONTIAC, MI 48340
Site 3 of 4 in cluster A

MI LUST
MI UST
MI INVENTORY
MI SPILLS
MI Financial Assurance
U003330357
N/A

Relative:
Lower

LUST:

Actual:
981 ft.

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340-
Facility ID: 00038781
Source: STATE OF MICHIGAN
Owner Name: Powertrain, GM
Owner Address: Not reported
Owner City,St,Zip: UNKNOWN, MI
Owner Contact: Not reported
Owner Phone: (248) 836-8298
Country: USA
District: Warren
Site Name: Powertrain Headquarters
Latitude: 42.66206
Longitude: -83.28046
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0224-05
Release Date: 01/10/2006
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-0467-89
Release Date: 08/29/1989
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 09/30/1994

Leak Number: C-0864-96
Release Date: 10/28/1996
Substance Released: Used Oil
Release Status: Closed
Release Closed Date: 12/19/1996

Leak Number: C-0951-95
Release Date: 08/21/1995
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 10/09/1995

UST:

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Facility Type: ACTIVE
Facility ID: 00038781

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM POWERTRIAN (Continued)

U003330357

Facility Region: 1
Owner Name: GM POWERTRAIN
Owner Address: 850 GLENWOOD / MC:(483-710-106
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488368298 x2987
Contact: Lauren Smith
Contact Phone: (248) 836-8298
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 360
Capacity: 9000
Tank Status: Currently In Use
Substance: Other(Used Antifreeze),Used Oil
Install Date: 04/01/2007
Remove Date: Not reported
Tank Number: UTK-123157-15
Tank Details Compartments: Not reported
Tank Release Detection: Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Interstitial Monitoring Double Walled Piping,Other
Piping Material: Double Walled,Flexible Piping
Piping Type: Pressure (Remote)
Tank Construction: Double Walled,Fiberglass Reinforced Plastic,Other
Impressed Device: Not reported
Latitude: 42.66206
Longitude: -83.28046

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Facility Type: ACTIVE
Facility ID: 00038781
Facility Region: 1
Owner Name: GM POWERTRAIN
Owner Address: 850 GLENWOOD / MC:(483-710-106
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488368298 x2987
Contact: Lauren Smith
Contact Phone: (248) 836-8298
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM POWERTRIAN (Continued)

U003330357

Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 319
Capacity: 6000
Tank Status: Currently In Use
Substance: Gasoline
Install Date: 09/28/2015
Remove Date: Not reported
Tank Number: UTK-140589-15
Tank Details Compartments: Not reported
Tank Release Detection: Automatic Tank Gauging,Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Interstitial Monitoring Second Containment,Other
Piping Material: Double Walled,Flexible Piping
Piping Type: Pressure (Remote)
Tank Construction: Composite (Steel With Fiberglass),Other
Impressed Device: Not reported
Latitude: 42.66206
Longitude: -83.28046

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Facility Type: ACTIVE
Facility ID: 00038781
Facility Region: 1
Owner Name: GM POWERTRAIN
Owner Address: 850 GLENWOOD / MC:(483-710-106
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488368298 x2987
Contact: Lauren Smith
Contact Phone: (248) 836-8298
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 318
Capacity: 15000
Tank Status: Currently In Use
Substance: Gasoline
Install Date: 04/01/2007
Remove Date: Not reported
Tank Number: UTK-123156-15
Tank Details Compartments: Not reported
Tank Release Detection: Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Interstitial Monitoring Double Walled Piping,Other
Piping Material: Double Walled,Flexible Piping
Piping Type: Pressure (Remote)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM POWERTRIAN (Continued)

U003330357

Tank Construction: Composite (Steel With Fiberglass),Double Walled,Other
Impressed Device: Not reported
Latitude: 42.66206
Longitude: -83.28046

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Facility Type: ACTIVE
Facility ID: 00038781
Facility Region: 1
Owner Name: GM POWERTRAIN
Owner Address: 850 GLENWOOD / MC:(483-710-106
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488368298 x2987
Contact: Lauren Smith
Contact Phone: (248) 836-8298
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 317
Capacity: 15000
Tank Status: Currently In Use
Substance: Gasoline
Install Date: 04/01/2007
Remove Date: Not reported
Tank Number: UTK-123155-15
Tank Details Compartments: Not reported
Tank Release Detection: Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Interstitial Monitoring Double Walled Piping,Other
Piping Material: Double Walled,Flexible Piping
Piping Type: Pressure (Remote)
Tank Construction: Double Walled,Fiberglass Reinforced Plastic,Other
Impressed Device: Not reported
Latitude: 42.66206
Longitude: -83.28046

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Facility Type: ACTIVE
Facility ID: 00038781
Facility Region: 1
Owner Name: GM POWERTRAIN
Owner Address: 850 GLENWOOD / MC:(483-710-106
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM POWERTRIAN (Continued)

U003330357

Owner Contact: Not reported
Owner Phone: 2488368298 x2987
Contact: Lauren Smith
Contact Phone: (248) 836-8298
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 316
Capacity: 15000
Tank Status: Currently In Use
Substance: Gasoline
Install Date: 04/01/2007
Remove Date: Not reported
Tank Number: UTK-123154-15
Tank Details Compartments: Not reported
Tank Release Detection: Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Interstitial Monitoring Double Walled Piping,Other
Piping Material: Double Walled,Flexible Piping
Piping Type: Pressure (Remote)
Tank Construction: Double Walled,Fiberglass Reinforced Plastic,Other
Impressed Device: Not reported
Latitude: 42.66206
Longitude: -83.28046

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Facility Type: ACTIVE
Facility ID: 00038781
Facility Region: 1
Owner Name: GM POWERTRAIN
Owner Address: 850 GLENWOOD / MC:(483-710-106
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488368298 x2987
Contact: Lauren Smith
Contact Phone: (248) 836-8298
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 315
Capacity: 15000
Tank Status: Currently In Use

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM POWERTRIAN (Continued)

U003330357

Substance: Gasoline
Install Date: 04/01/2007
Remove Date: Not reported
Tank Number: UTK-123153-15
Tank Details Compartments: Not reported
Tank Release Detection: Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Interstitial Monitoring Double Walled Piping,Other
Piping Material: Double Walled,Flexible Piping
Piping Type: Pressure (Remote)
Tank Construction: Double Walled,Fiberglass Reinforced Plastic,Other
Impressed Device: Not reported
Latitude: 42.66206
Longitude: -83.28046

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Facility Type: ACTIVE
Facility ID: 00038781
Facility Region: 1
Owner Name: GM POWERTRAIN
Owner Address: 850 GLENWOOD / MC:(483-710-106
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488368298 x2987
Contact: Lauren Smith
Contact Phone: (248) 836-8298
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 314
Capacity: 15000
Tank Status: Currently In Use
Substance: Gasoline
Install Date: 04/01/2007
Remove Date: Not reported
Tank Number: UTK-123152-15
Tank Details Compartments: Not reported
Tank Release Detection: Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Interstitial Monitoring Double Walled Piping,Other
Piping Material: Double Walled,Flexible Piping
Piping Type: Pressure (Remote)
Tank Construction: Double Walled,Fiberglass Reinforced Plastic,Other
Impressed Device: Not reported
Latitude: 42.66206
Longitude: -83.28046

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM POWERTRAIN (Continued)

U003330357

City,State,Zip: PONTIAC, MI 48340
Facility Type: ACTIVE
Facility ID: 00038781
Facility Region: 1
Owner Name: GM POWERTRAIN
Owner Address: 850 GLENWOOD / MC:(483-710-106
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488368298 x2987
Contact: Lauren Smith
Contact Phone: (248) 836-8298
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 313
Capacity: 15000
Tank Status: Currently In Use
Substance: Gasoline
Install Date: 04/01/2007
Remove Date: Not reported
Tank Number: UTK-123151-15
Tank Details Compartments: Not reported
Tank Release Detection: Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Interstitial Monitoring Double Walled Piping,Other
Piping Material: Double Walled,Flexible Piping
Piping Type: Suction: No Valve at Tank
Tank Construction: Double Walled,Fiberglass Reinforced Plastic,Other
Impressed Device: Not reported
Latitude: 42.66206
Longitude: -83.28046

Name: GM POWERTRAIN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Facility Type: ACTIVE
Facility ID: 00038781
Facility Region: 1
Owner Name: GM POWERTRAIN
Owner Address: 850 GLENWOOD / MC:(483-710-106
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488368298 x2987
Contact: Lauren Smith
Contact Phone: (248) 836-8298
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM POWERTRIAN (Continued)

U003330357

Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 312
Capacity: 15000
Tank Status: Currently In Use
Substance: Gasoline
Install Date: 04/01/2007
Remove Date: Not reported
Tank Number: UTK-123150-15
Tank Details Compartments: Not reported
Tank Release Detection: Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Interstitial Monitoring Double Walled Piping,Other
Piping Material: Double Walled,Flexible Piping
Piping Type: Pressure (Remote)
Tank Construction: Double Walled,Fiberglass Reinforced Plastic,Other
Impressed Device: Not reported
Latitude: 42.66206
Longitude: -83.28046

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Facility Type: ACTIVE
Facility ID: 00038781
Facility Region: 1
Owner Name: GM POWERTRAIN
Owner Address: 850 GLENWOOD / MC:(483-710-106
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488368298 x2987
Contact: Lauren Smith
Contact Phone: (248) 836-8298
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 311
Capacity: 15000
Tank Status: Currently In Use
Substance: Gasoline
Install Date: 04/01/2007
Remove Date: Not reported
Tank Number: UTK-123149-15
Tank Details Compartments: Not reported
Tank Release Detection: Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Interstitial Monitoring Double Walled Piping,Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM POWERTRIAN (Continued)

U003330357

Piping Material: Double Walled,Flexible Piping
Piping Type: Pressure (Remote)
Tank Construction: Double Walled,Fiberglass Reinforced Plastic,Other
Impressed Device: Not reported
Latitude: 42.66206
Longitude: -83.28046

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

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Facility Type: ACTIVE
Facility ID: 00038781
Facility Region: 1
Owner Name: GM POWERTRAIN
Owner Address: 850 GLENWOOD / MC:(483-710-106
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488368298 x2987
Contact: Lauren Smith
Contact Phone: (248) 836-8298
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 310
Capacity: 12000
Tank Status: Currently In Use
Substance: Diesel,Gasoline
Install Date: 04/01/2007
Remove Date: Not reported
Tank Number: UTK-123148-15
Tank Details Compartments: Not reported
Tank Release Detection: Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Interstitial Monitoring Double Walled Piping,Other
Piping Material: Double Walled,Flexible Piping
Piping Type: Pressure (Remote)
Tank Construction: Double Walled,Fiberglass Reinforced Plastic,Other
Impressed Device: Not reported
Latitude: 42.66206
Longitude: -83.28046

INVENTORY:

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Bea Number: Not reported
Township: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM POWERTRIAN (Continued)

U003330357

District: Southeast MI
Data Source: Part 213
Latitude: 42.66206
Longitude: -83.28046

PEAS:

Name: Not reported
Address: 895 JOSLYN AVE
City,State,Zip: PONTIAC, MI
Incident Date: 2013-11-05 00:00:00
Office Status: OFFICE HOURS
Initials of Incoming Operator: GWA
Time Received by DNRE Staff: 1322
Time Occur: Not reported
Date Of PEAS Call: Not reported
Complainant / Company: Not reported
Complainant Address: 30850 STEPHENSON HWY
Company Involved: SIGHT DEVELOPMENT INC
DEQ Division Involved: SOUTHEAST MI
Incident Description: CONSTRUCTION TEAM HIT A FRE MAIN, RELEASING ABOUT 100,000 GALLONS
Incident Description: OF MUNICIPAL WATER
Incident Description: Not reported
Incident Description: Not reported
Description: Not reported
Date Discovered: 11/5/2013
Time Discovered: 11:00 AM
Office/After Hours: Not reported
Party Involved - Phone 1: Not reported
Party Involved - Phone 2: Not reported
Ongoing?: Not reported
Release Secured: Not reported
Source: Not reported
Source decode: Not reported
Lead Division 2: Not reported
Party Involved Type: Not reported
Latitude: Not reported
Longitude: Not reported
Release/Incident Ctrl: Not reported
Release/Incident Ctrl Detail: Not reported
Special Referral: Not reported

FINANCIAL ASSURANCE 3:

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Facility ID: 00038781
Exempt: No
Expiration Date: 04/01/2014
Bond Rating Tests: UNCHECKED
Commerical Insurance: CHECKED
Guarantee: UNCHECKED
Letter of Credit: UNCHECKED
Risk Retention Group: UNCHECKED
Self Insurance: UNCHECKED
State Funds: UNCHECKED
Surety Bond: UNCHECKED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM POWERTRIAN (Continued)

U003330357

Trust Funds: UNCHECKED
Year: 2019

Name: GM POWERTRIAN
Address: 850 GLENWOOD MAIL CODE 483-710-1
City,State,Zip: PONTIAC, MI 48340
Facility ID: 00038781
Exempt: No
Expiration Date: 04/01/2020
Bond Rating Tests: UNCHECKED
Commerical Insurance: UNCHECKED
Guarantee: UNCHECKED
Letter of Credit: UNCHECKED
Risk Retention Group: UNCHECKED
Self Insurance: UNCHECKED
State Funds: UNCHECKED
Surety Bond: CHECKED
Trust Funds: UNCHECKED
Year: 2019

A5
North
< 1/8
0.104 mi.
549 ft.

GENERAL MOTORS
895 JOSLYN
PONTIAC, MI 48340
Site 4 of 4 in cluster A

MI AST A100435628
N/A

Relative:
Lower
Actual:
981 ft.

AST:
Name: GENERAL MOTORS
Address: 895 JOSLYN
City: PONTIAC
Zip: 48340-2920
Facility ID: 94000162
Facility Phone: Not reported
Owner Name: Not reported
Owner Address: 2211 POLAND AVE
Owner City,St,Zip: YOUNGSTOWN, OH 48340
Owner County: Not reported
Owner Contact: Not reported
Owner Telephone: 7345362182
District: 1
Contact: Not reported
List Status: Not reported
Date of Collection: Not reported
Accuracy: Not reported
Source: Not reported
Point Line Area: Not reported
Description Category: Not reported
Method of Collection: Not reported
Horizontal Datum: Not reported
Latitude: Not reported
Longitude: Not reported

Tank Id: ATK-139005-15
Tank Status: Currently In Use
Capacity (in gallons): 2958
Installation Date: 07/12/2013
Substance Stored: Not reported
Removed/Closed Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS (Continued)

A100435628

Tank Id: ATK-139004-15
Tank Status: Currently In Use
Capacity (in gallons): 17150
Installation Date: 07/12/2013
Substance Stored: Not reported
Removed/Closed Date: Not reported

B6
North
1/8-1/4
0.141 mi.
747 ft.

FATHER AND SON DRY CLEANER
956 JOSLYN RD
PONTIAC, MI 48340

MI INVENTORY **S114028645**
N/A

Site 1 of 3 in cluster B

Relative:
Lower
Actual:
979 ft.

INVENTORY:
Name: FATHER AND SON DRY CLEANER
Address: 956 JOSLYN RD
City,State,Zip: PONTIAC, MI 48340
Bea Number: Not reported
Township: Pontiac
District: Southeast MI
Data Source: Part 201
Latitude: 42.66445
Longitude: -83.27986

B7
North
1/8-1/4
0.141 mi.
747 ft.

FATHER AND SON CLEANERS
956 JOSLYN AVE
PONTIAC, MI 48340

RCRA-VSQG **1000240597**
FINDS **MID017314113**
ECHO

Site 2 of 3 in cluster B

Relative:
Lower
Actual:
979 ft.

RCRA-VSQG:
Date form received by agency: 2009-04-04 00:00:00.0
Facility name: FATHER AND SON CLEANERS
Facility address: 956 JOSLYN AVE
PONTIAC, MI 48340
EPA ID: MID017314113
Contact: RON GODOSHIAN
Contact address: 956 JOSLYN AVE
PONTIAC, MI 48340
Contact country: US
Contact telephone: 248-338-9209
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FATHER AND SON CLEANERS (Continued)

1000240597

the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: RON GODOSHIAN
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1986-09-05 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: RON GODOSHIAN
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1986-09-05 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 1986-09-05 00:00:00.0
Site name: FATHER AND SON CLEANERS
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FATHER AND SON CLEANERS (Continued)

1000240597

Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110008445192

Click Here:

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.

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

ECHO:

Envid: 1000240597
Registry ID: 110008445192
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110008445192>
Name: FATHER AND SON CLEANERS
Address: 956 JOSLYN AVE
City,State,Zip: PONTIAC, MI 48340

B8
North
1/8-1/4
0.141 mi.
747 ft.

FATHER & SON DRY CLEANING CO.
956 JOSLYN
PONTIAC, MI 48340
Site 3 of 3 in cluster B

MI DRYCLEANERS **S110624742**
MI WDS **N/A**

Relative:
Lower
Actual:
979 ft.

DRYCLEANERS:
Name: FATHER & SON DRY CLEANING CO.
Address: 956 JOSLYN
City,State,Zip: PONTIAC, MI 48340
fadd2: Not reported
Facility Status: Closed
Establishment#: 6300315
DCM #: Not reported
DCM Type: Not reported
Total lb: Not reported
Inspector: Not reported
Last Insp Date: Not reported

Name: FATHER & SON DRY CLEANING CO.
Address: 956 JOSLYN
City,State,Zip: PONTIAC, MI 48340
fadd2: Not reported
Facility Status: Inactive
Establishment#: 6300017
DCM #: Not reported
DCM Type: Not reported
Total lb: Not reported
Inspector: johnyu
Last Insp Date: 08/02/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FATHER & SON DRY CLEANING CO. (Continued)

S110624742

WDS:

Name: FATHER AND SON CLEANERS
Address: 956 JOSLYN AVE
City,State,Zip: PONTIAC, MI 48340
Site Id: MID017314113
WMD Id: 394991
Site Specific Name: FATHER AND SON CLEANERS
Mailing Address: 956 JOSLYN AVE
Mailing City/State/Zip: 48340
Mailing County: OAKLAND

**C9
SW
1/8-1/4
0.218 mi.
1153 ft.**

**GM PONTIAC SITE OPERATIONS
1 PONTIAC PLZ
PONTIAC, MI 48340
Site 1 of 2 in cluster C**

**MI LUST U000263137
MI UST N/A
MI INVENTORY**

**Relative:
Lower**

LUST:

**Actual:
984 ft.**

Name: GM PONTIAC SITE OPERATIONS
Address: 1 PONTIAC PLZ
City,State,Zip: PONTIAC, MI 48340-
Facility ID: 00001623
Source: STATE OF MICHIGAN
Owner Name: Pontiac North Campus, GM
Owner Address: Not reported
Owner City,St,Zip: UNKNOWN, MI
Owner Contact: Not reported
Owner Phone: (248) 857-2787
Country: USA
District: Warren
Site Name: Cpc Pontiac
Latitude: 42.65844
Longitude: -83.28673
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0854-85
Release Date: 01/11/1991
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 09/30/1994

Leak Number: C-1174-01
Release Date: 05/07/2001
Substance Released: Gasoline,Gasoline,Gasoline
Release Status: Closed
Release Closed Date: 09/25/2001

Leak Number: C-2679-90
Release Date: 12/26/1990
Substance Released: Not reported
Release Status: Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC SITE OPERATIONS (Continued)

U000263137

Release Closed Date: 09/13/1995

UST:

Name: GM PONTIAC SITE OPERATIONS
Address: 1 PONTIAC PLZ
City,State,Zip: PONTIAC, MI 48340-2952
Facility Type: CLOSED
Facility ID: 00001623
Facility Region: 1
Owner Name: GM PONTIAC NORTH CAMPUS
Owner Address: MAIL CODE 483-049-201 220 E COLUMBIA AVE
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488572787
Contact: Not reported
Contact Phone: Not reported
Date of Collection: Not reported
Accuracy: Not reported
Horizontal Datum: Not reported
Accuracy Value Unit: Not reported
Source: Not reported
Point Line Area: Not reported
Desc Category: Not reported
Method of Collection: Not reported
District: Not reported
Tank ID: PE-G
Capacity: 1700
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: 08/31/1951
Remove Date: 03/09/1992
Tank Number: UTK-054037-15
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Tank Construction: Asphalt Coated or Bare Steel,Description of Other Construction,Lined Interior,Other
Impressed Device: Not reported
Latitude: Not reported
Longitude: Not reported

Name: GM PONTIAC SITE OPERATIONS
Address: 1 PONTIAC PLZ
City,State,Zip: PONTIAC, MI 48340-2952
Facility Type: CLOSED
Facility ID: 00001623
Facility Region: 1
Owner Name: GM PONTIAC NORTH CAMPUS
Owner Address: MAIL CODE 483-049-201 220 E COLUMBIA AVE
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488572787
Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC SITE OPERATIONS (Continued)

U000263137

Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	PE-F
Capacity:	1700
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	08/31/1951
Remove Date:	03/09/1992
Tank Number:	UTK-054034-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel,Lined Interior
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Name:	GM PONTIAC SITE OPERATIONS
Address:	1 PONTIAC PLZ
City,State,Zip:	PONTIAC, MI 48340-2952
Facility Type:	CLOSED
Facility ID:	00001623
Facility Region:	1
Owner Name:	GM PONTIAC NORTH CAMPUS
Owner Address:	MAIL CODE 483-049-201 220 E COLUMBIA AVE
Owner City:	PONTIAC
Owner State:	MI
Owner Zip:	48340
Owner Contact:	Not reported
Owner Phone:	2488572787
Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	PE-E
Capacity:	1700
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	08/31/1951
Remove Date:	03/09/1992

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC SITE OPERATIONS (Continued)

U000263137

Tank Number: UTK-054032-15
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Tank Construction: Asphalt Coated or Bare Steel,Lined Interior
Impressed Device: Not reported
Latitude: Not reported
Longitude: Not reported

Name: GM PONTIAC SITE OPERATIONS
Address: 1 PONTIAC PLZ
City,State,Zip: PONTIAC, MI 48340-2952
Facility Type: CLOSED
Facility ID: 00001623
Facility Region: 1
Owner Name: GM PONTIAC NORTH CAMPUS
Owner Address: MAIL CODE 483-049-201 220 E COLUMBIA AVE
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488572787
Contact: Not reported
Contact Phone: Not reported
Date of Collection: Not reported
Accuracy: Not reported
Horizontal Datum: Not reported
Accuracy Value Unit: Not reported
Source: Not reported
Point Line Area: Not reported
Desc Category: Not reported
Method of Collection: Not reported
District: Not reported
Tank ID: PE-D
Capacity: 5000
Tank Status: Removed from Ground
Substance: Diesel
Install Date: 08/31/1951
Remove Date: 03/09/1992
Tank Number: UTK-029683-15
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Tank Construction: Asphalt Coated or Bare Steel,Lined Interior
Impressed Device: Not reported
Latitude: Not reported
Longitude: Not reported

Name: GM PONTIAC SITE OPERATIONS
Address: 1 PONTIAC PLZ
City,State,Zip: PONTIAC, MI 48340-2952
Facility Type: CLOSED
Facility ID: 00001623

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC SITE OPERATIONS (Continued)

U000263137

Facility Region:	1
Owner Name:	GM PONTIAC NORTH CAMPUS
Owner Address:	MAIL CODE 483-049-201 220 E COLUMBIA AVE
Owner City:	PONTIAC
Owner State:	MI
Owner Zip:	48340
Owner Contact:	Not reported
Owner Phone:	2488572787
Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	PE-C
Capacity:	5000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	08/31/1951
Remove Date:	02/09/1992
Tank Number:	UTK-032834-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel,Lined Interior
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Name:	GM PONTIAC SITE OPERATIONS
Address:	1 PONTIAC PLZ
City,State,Zip:	PONTIAC, MI 48340-2952
Facility Type:	CLOSED
Facility ID:	00001623
Facility Region:	1
Owner Name:	GM PONTIAC NORTH CAMPUS
Owner Address:	MAIL CODE 483-049-201 220 E COLUMBIA AVE
Owner City:	PONTIAC
Owner State:	MI
Owner Zip:	48340
Owner Contact:	Not reported
Owner Phone:	2488572787
Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC SITE OPERATIONS (Continued)

U000263137

Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	PE-B
Capacity:	10000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	08/31/1951
Remove Date:	03/09/1992
Tank Number:	UTK-020598-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel,Lined Interior
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Name:	GM PONTIAC SITE OPERATIONS
Address:	1 PONTIAC PLZ
City,State,Zip:	PONTIAC, MI 48340-2952
Facility Type:	CLOSED
Facility ID:	00001623
Facility Region:	1
Owner Name:	GM PONTIAC NORTH CAMPUS
Owner Address:	MAIL CODE 483-049-201 220 E COLUMBIA AVE
Owner City:	PONTIAC
Owner State:	MI
Owner Zip:	48340
Owner Contact:	Not reported
Owner Phone:	2488572787
Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	PE-A
Capacity:	10000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	08/31/1951
Remove Date:	03/09/1992
Tank Number:	UTK-054028-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel,Description of Other Construction,Lined Interior,Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC SITE OPERATIONS (Continued)

U000263137

Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Name:	GM PONTIAC SITE OPERATIONS
Address:	1 PONTIAC PLZ
City,State,Zip:	PONTIAC, MI 48340-2952
Facility Type:	CLOSED
Facility ID:	00001623
Facility Region:	1
Owner Name:	GM PONTIAC NORTH CAMPUS
Owner Address:	MAIL CODE 483-049-201 220 E COLUMBIA AVE
Owner City:	PONTIAC
Owner State:	MI
Owner Zip:	48340
Owner Contact:	Not reported
Owner Phone:	2488572787
Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	NL-6
Capacity:	2000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	01/01/1990
Remove Date:	04/26/2001
Tank Number:	UTK-109713-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection:	Automatic Line Leak Detectors
Piping Material:	Cathodically Protected,Double Walled
Piping Type:	Suction:Valve at Tank
Tank Construction:	Cathodically Protected Steel,Double Walled
Impressed Device:	Yes
Latitude:	Not reported
Longitude:	Not reported
Name:	GM PONTIAC SITE OPERATIONS
Address:	1 PONTIAC PLZ
City,State,Zip:	PONTIAC, MI 48340-2952
Facility Type:	CLOSED
Facility ID:	00001623
Facility Region:	1
Owner Name:	GM PONTIAC NORTH CAMPUS
Owner Address:	MAIL CODE 483-049-201 220 E COLUMBIA AVE
Owner City:	PONTIAC
Owner State:	MI
Owner Zip:	48340
Owner Contact:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC SITE OPERATIONS (Continued)

U000263137

Owner Phone:	2488572787
Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	NL-5
Capacity:	15000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	01/01/1989
Remove Date:	04/26/2001
Tank Number:	UTK-109709-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Groundwater Monitoring,Inter Monitoring/Second Conatinment,Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection:	Automatic Line Leak Detectors,GroundWater Monitoring,Interstitial Monitoring Double Walled Piping,Interstitial Monitoring Second Containment
Piping Material:	Cathodically Protected,Double Walled
Piping Type:	Pressure (Remote)
Tank Construction:	Cathodically Protected Steel,Double Walled
Impressed Device:	Yes
Latitude:	Not reported
Longitude:	Not reported
Name:	GM PONTIAC SITE OPERATIONS
Address:	1 PONTIAC PLZ
City,State,Zip:	PONTIAC, MI 48340-2952
Facility Type:	CLOSED
Facility ID:	00001623
Facility Region:	1
Owner Name:	GM PONTIAC NORTH CAMPUS
Owner Address:	MAIL CODE 483-049-201 220 E COLUMBIA AVE
Owner City:	PONTIAC
Owner State:	MI
Owner Zip:	48340
Owner Contact:	Not reported
Owner Phone:	2488572787
Contact:	Not reported
Contact Phone:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Horizontal Datum:	Not reported
Accuracy Value Unit:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	NL-4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC SITE OPERATIONS (Continued)

U000263137

Capacity: 15000
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: 01/01/1990
Remove Date: 04/26/2001
Tank Number: UTK-109705-15
Tank Details Compartments: Not reported
Tank Release Detection: Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Cathodically Protected,Double Walled
Piping Type: Pressure (Remote)
Tank Construction: Cathodically Protected Steel,Double Walled
Impressed Device: Yes
Latitude: Not reported
Longitude: Not reported

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

Name: GM PONTIAC SITE OPERATIONS
Address: 1 PONTIAC PLZ
City,State,Zip: PONTIAC, MI 48340-2952
Facility Type: CLOSED
Facility ID: 00001623
Facility Region: 1
Owner Name: GM PONTIAC NORTH CAMPUS
Owner Address: MAIL CODE 483-049-201 220 E COLUMBIA AVE
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340
Owner Contact: Not reported
Owner Phone: 2488572787
Contact: Not reported
Contact Phone: Not reported
Date of Collection: Not reported
Accuracy: Not reported
Horizontal Datum: Not reported
Accuracy Value Unit: Not reported
Source: Not reported
Point Line Area: Not reported
Desc Category: Not reported
Method of Collection: Not reported
District: Not reported
Tank ID: NL-3
Capacity: 15000
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: 01/01/1990
Remove Date: 04/26/2001
Tank Number: UTK-009041-15
Tank Details Compartments: Not reported
Tank Release Detection: Interstitial Monitoring Double Walled Tank/Piping
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Bare Steel
Piping Type: Pressure (Remote)
Tank Construction: Cathodically Protected Steel,Double Walled
Impressed Device: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC SITE OPERATIONS (Continued)

U000263137

Latitude: Not reported
Longitude: Not reported

INVENTORY:

Name: GM PONTIAC SITE OPERATIONS
Address: 1 PONTIAC PLZ
City,State,Zip: PONTIAC, MI 48340
Bea Number: Not reported
Township: Not reported
District: Southeast MI
Data Source: Part 213
Latitude: 42.65845
Longitude: -83.28674

**C10
SW
1/8-1/4
0.218 mi.
1153 ft.**

**GM PONTIAC PONTIAC NORTH CAMPUS
1 PONTIAC
PONTIAC, MI 48340
Site 2 of 2 in cluster C**

**MI AST A100228495
N/A**

**Relative:
Lower**

AST:

**Actual:
984 ft.**

Name: GM PONTIAC PONTIAC NORTH CAMPUS
Address: 1 PONTIAC
City: PONTIAC
Zip: 48340-2952
Facility ID: 91063102
Facility Phone: (248) 857-2287
Owner Name: GM PONTIAC PONTIAC NORTH CAMPUS
Owner Address: 1 PONTIAC PLZ
Owner City,St,Zip: PONTIAC, MI 48340-2952
Owner County: Not reported
Owner Contact: Not reported
Owner Telephone: 7348572287
District: 1
Contact: Bob doyle
List Status: Not reported
Date of Collection: 01/11/2001
Accuracy: 100 FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Horizontal Datum: NAD83
Latitude: 42.6584460
Longitude: -83.286739

Tank Id: ATK-012529-15
Tank Status: Removed from Premises
Capacity (in gallons): 20700
Installation Date: 01/01/1950
Substance Stored: Other
Removed/Closed Date: 12/01/1998

Tank Id: ATK-044266-15
Tank Status: Removed from Premises
Capacity (in gallons): 26600

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GM PONTIAC PONTIAC NORTH CAMPUS (Continued)

A100228495

Installation Date: 01/01/1950
Substance Stored: Other
Removed/Closed Date: 12/01/1998

Tank Id: ATK-000633-15
Tank Status: Removed from Premises
Capacity (in gallons): 20700
Installation Date: 01/01/1950
Substance Stored: Other
Removed/Closed Date: 12/01/1998

Tank Id: ATK-064528-15
Tank Status: Removed from Premises
Capacity (in gallons): 20700
Installation Date: 01/01/1950
Substance Stored: Other
Removed/Closed Date: 12/01/1998

Tank Id: ATK-030036-15
Tank Status: Removed from Premises
Capacity (in gallons): 12000
Installation Date: 01/01/1950
Substance Stored: Other
Removed/Closed Date: 12/01/1998

Tank Id: ATK-034585-15
Tank Status: Removed from Premises
Capacity (in gallons): 20700
Installation Date: 01/01/1950
Substance Stored: Other
Removed/Closed Date: 12/01/1998

Tank Id: ATK-040893-15
Tank Status: Removed from Premises
Capacity (in gallons): 26600
Installation Date: 01/01/1950
Substance Stored: Other
Removed/Closed Date: 12/01/1998

**11
SE
1/4-1/2
0.316 mi.
1668 ft.**

**PERRY MOUNT PARK CEMETERY
878 N PERRY ST
PONTIAC, MI 48340**

**MI LUST U000263076
MI UST N/A**

**Relative:
Higher
Actual:
990 ft.**

LUST:
Name: PERRY MOUNT PARK CEMETERY
Address: 878 N PERRY ST
City,State,Zip: PONTIAC, MI 48340-
Facility ID: 00014210
Source: STATE OF MICHIGAN
Owner Name: Mount Park Cemetery, Perry
Owner Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PERRY MOUNT PARK CEMETERY (Continued)

U000263076

Owner City,St,Zip: UNKNOWN, MI
Owner Contact: Not reported
Owner Phone: (734) 334-1563
Country: USA
District: Warren
Site Name: Perry Mount Cemetery
Latitude: 42.65763
Longitude: -83.27482
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1789-90
Release Date: 09/17/1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 11/01/1993

UST:

Name: PERRY MOUNT PARK CEMETERY
Address: 878 N PERRY ST
City,State,Zip: PONTIAC, MI 48340-3029
Facility Type: CLOSED
Facility ID: 00014210
Facility Region: 1
Owner Name: PERRY MOUNT PARK CEMETERY
Owner Address: 878 N PERRY ST
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340-3029
Owner Contact: Not reported
Owner Phone: 7343341563
Contact: FLOYD E. LOSEE
Contact Phone: (734) 334-1563
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 3
Capacity: 550
Tank Status: Removed from Ground
Substance: Other(GAS)
Install Date: 05/08/1984
Remove Date: 09/17/1990
Tank Number: UTK-073601-15
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PERRY MOUNT PARK CEMETERY (Continued)

U000263076

Piping Type: Not reported
Tank Construction: Asphalt Coated or Bare Steel
Impressed Device: Not reported
Latitude: 42.65763
Longitude: -83.27482

Name: PERRY MOUNT PARK CEMETERY
Address: 878 N PERRY ST
City,State,Zip: PONTIAC, MI 48340-3029
Facility Type: CLOSED
Facility ID: 00014210
Facility Region: 1
Owner Name: PERRY MOUNT PARK CEMETERY
Owner Address: 878 N PERRY ST
Owner City: PONTIAC
Owner State: MI
Owner Zip: 48340-3029
Owner Contact: Not reported
Owner Phone: 7343341563
Contact: FLOYD E. LOSEE
Contact Phone: (734) 334-1563
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 2
Capacity: 550
Tank Status: Removed from Ground
Substance: Diesel
Install Date: 05/08/1974
Remove Date: 09/17/1990
Tank Number: UTK-013391-15
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Tank Construction: Asphalt Coated or Bare Steel
Impressed Device: Not reported
Latitude: 42.65763
Longitude: -83.27482

Name: PERRY MOUNT PARK CEMETERY
Address: 878 N PERRY ST
City,State,Zip: PONTIAC, MI 48340-3029
Facility Type: CLOSED
Facility ID: 00014210
Facility Region: 1
Owner Name: PERRY MOUNT PARK CEMETERY
Owner Address: 878 N PERRY ST
Owner City: PONTIAC
Owner State: MI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PERRY MOUNT PARK CEMETERY (Continued)

U000263076

Owner Zip: 48340-3029
Owner Contact: Not reported
Owner Phone: 7343341563
Contact: FLOYD E. LOSEE
Contact Phone: (734) 334-1563
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 1
Capacity: 1000
Tank Status: Removed from Ground
Substance: Other(GAS)
Install Date: 05/08/1974
Remove Date: 09/17/1990
Tank Number: UTK-027767-15
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Tank Construction: Asphalt Coated or Bare Steel
Impressed Device: Not reported
Latitude: 42.65763
Longitude: -83.27482

D12 **USPS-PONTIAC PROCESSING CENTER**
SW **711 NORTH GLENWOOD AVENUE**
1/4-1/2 **PONTIAC, MI 48340**

MI BEA **S109171477**
MI NPDES **N/A**

0.319 mi.
1684 ft.

Site 1 of 2 in cluster D

Relative:
Lower

BEA:
Secondary Address: NW Corner of Glenwood/Montcalm
BEA Number: 3257
District: Southeast MI
Date Received: 08/10/2006
Submitter Name: United States Postal Service
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb
Division Assigned: Environmental Response Division

Actual:
980 ft.

MI NPDES:

Name: USPS-PONTIAC PROCESSING CENTER
Address: 711 NORTH GLENWOOD AVENUE
City,State,Zip: PONTIAC, MI 48340
Permit Number: MIS040081
Permitee PO Box: N
Permitee Email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USPS-PONTIAC PROCESSING CENTER (Continued)

S109171477

Issue Date: 06/20/2007
Effective Date: 06/20/2007
Expiration Date: 04/01/2008
Permittee Name: United States Postal Service
Permittee Address: Southeast Michigan Performance Cluster
Permittee Addr2: 1600 East Big Beaver Road
Permittee City,St,Zip: Troy, MI 48083
Permit Type: NPDES Certificate of Coverage under General Permit (COC)
Facility Name 2: Michigan Metroplex
Facility Name 3: Not reported
Facility Name 4: Not reported
Designed Name: USPS-Pontiac Processing Center
Latitude: 42.6562808
Lat Direction: Not reported
Lat Type Code: Not reported
Longitude: -83.2860986
Lon Direction: Not reported
Lon Type Code: Not reported
Hydrologic Unit Code: Not reported
Permit Status: Extended
COC Permit Category: MS4 Jurisdiction
DEQ District Email: Warren
DEQ Permit Compliance Manager: Lishba Varughese
DEQ Permit Compliance Manager Email: varughesel@michigan.gov

D13 **US POSTAL SERVICE**
SW **711 N GLENWOOD AVE**
1/4-1/2 **PONTIAC, MI 48340**
0.319 mi.
1684 ft.

MI AUL **S111343139**
MI SPILLS **N/A**
MI WDS

Site 2 of 2 in cluster D

Relative:
Lower
Actual:
980 ft.

AUL:
Name: RACER - PONTIAC CENTRAL LAND
Address: 711 NORTH GLENWOOD AVENUE
City,State,Zip: PONTIAC, MI 48340
Status: Pending
Site Name: Not reported
Property: On-Site
Land Use Restriction Type: RC
Program Type: Part 111
Program Support Assigned User: Not reported
Program Support Assigned Date: Not reported
Legal Description Of Property: Not reported
Based On The Deq Ref #: 11411116010
MDEQ Reference Number: RC-OWMRP-111-16-010
Property Or Description Restricted Area: Not reported
Lead Division: OWMRP
File Name Of Hyperlinked Legal Doc: Not reported
Mapped Polygons Area In Acres: Not reported
Mapped Polygons Area In Square Miles: Not reported
Date Data Entry Started: Not reported
Date Data Entry Finished: Not reported
Individual Or Staff Assoc With The Mapping: Not reported
Program Used To Map Restricted Features: Not reported
Date Legal Paperwork Stamped/Filed/Register Of Deeds: Not reported
Commercial I Land Use Restriction: 0
Commercial Ii Land Use Restriction: 0
Commercial Iii Land Use Restriction: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US POSTAL SERVICE (Continued)

S111343139

Commercial Iv Land Use Restriction:	0
Industrial Land Use Restriction:	0
Residential Land Use Restriction:	0
Recreational Land Use Restriction:	0
Multiple Land-Use Restrictions:	0
Site Specific Restrictions:	0
Groundwater Consumption Restrictions:	0
Groundwater Contact Restrictions:	0
Special Well Construction Requirements:	0
Special Building Restrictions:	0
Excavation And Soil Movement Restrictions:	0
Soil Movement Requirements:	0
There Is A Restriction On All Construction:	0
Monitoring Well Protected, No Tampering Or Removal:	0
There Is An Exposure Barrier In Place:	0
There Is A Health And Safety Plan:	0
There Is A Permanent Marker On The Site:	0
Comment:	20160824 - Reference number was requested by David Favero of RACER Trust - Nick Ekel
Map Comments:	Not reported

PEAS:

Name:	Not reported
Address:	711 N GLENWOOD AVE
City,State,Zip:	PONTIAC, MI
Incident Date:	2011-08-09 00:00:00
Office Status:	OFFICE HOURS
Initials of Incoming Operator:	VCB
Time Received by DNRE Staff:	Not reported
Time Occur:	Not reported
Date Of PEAS Call:	Not reported
Complainant / Company:	Not reported
Complainant Address:	711 N GLENWOOD AVE
Company Involved:	US POSTAL SERVICE
DEQ Division Involved:	Not reported
Incident Description:	THE BIO DETECTION HAS WENT OFF INDICATING THAT IT SENSES ANTHRAX. SHE HAS NO OTHER INFORMATION AT THIS POINT BUT ALL EMPLOYEES WERE QUARANTINED.
Incident Description:	Not reported
Incident Description:	Not reported
Description:	Not reported
Date Discovered:	8/9/2011
Time Discovered:	07:50AM
Office/After Hours:	Not reported
Party Involved - Phone 1:	Not reported
Party Involved - Phone 2:	Not reported
Ongoing?:	Not reported
Release Secured:	Not reported
Source:	Not reported
Source decode:	Not reported
Lead Division 2:	Not reported
Party Involved Type:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Release/Incident Ctrl:	Not reported
Release/Incident Ctrl Detail:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US POSTAL SERVICE (Continued)

S111343139

Special Referral: Not reported

WDS:

Name: US POSTAL SERVICE
Address: 711 N GLENWOOD AVE
City,State,Zip: PONTIAC, MI 48340
Site Id: MIK296498777
WMD Id: 484674
Site Specific Name: USPS MICHIGAN METROPLEX
Mailing Address: 711 N GLENWOOD AVE
Mailing City/State/Zip: 48340
Mailing County: OAKLAND

14
ENE
1/4-1/2
0.338 mi.
1784 ft.

PONTIAC FIRE STATION #4
720 E MADISON AVE
PONTIAC, MI 48340

MI LUST **U003319520**
MI UST **N/A**

Relative:
Lower

LUST:

Name: PONTIAC FIRE STATION #4
Address: 720 E MADISON AVE
City,State,Zip: PONTIAC, MI 48340-
Facility ID: 00001413
Source: STATE OF MICHIGAN
Owner Name: of Pontiac, City
Owner Address: Not reported
Owner City,St,Zip: UNKNOWN, MI
Owner Contact: Not reported
Owner Phone: (248) 830-4506
Country: USA
District: Warren
Site Name: Pontiac Fire Station #4
Latitude: 42.66313
Longitude: -83.27305
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0565-99
Release Date: 02/26/1999
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 06/28/1999

UST:

Name: PONTIAC FIRE STATION #4
Address: 720 E MADISON AVE
City,State,Zip: PONTIAC, MI 48340-2938
Facility Type: CLOSED
Facility ID: 00001413
Facility Region: 1
Owner Name: CITY OF PONTIAC
Owner Address: 47450 WOODWARD AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PONTIAC FIRE STATION #4 (Continued)

U003319520

Owner City: PONTIAC
Owner State: MI
Owner Zip: 48342
Owner Contact: Not reported
Owner Phone: 2488304506
Contact: FRANK OLES
Contact Phone: (248) 857-7665
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
District: Region 1 - SE Michigan District Office
Tank ID: 1
Capacity: 550
Tank Status: Removed from Ground
Substance: Diesel
Install Date: 03/17/1976
Remove Date: 02/01/1999
Tank Number: UTK-103387-15
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Tank Construction: Asphalt Coated or Bare Steel
Impressed Device: Not reported
Latitude: 42.66313
Longitude: -83.27305

15
North
1/4-1/2
0.370 mi.
1954 ft.

JOSLYN MINI MART, INC.
1085 JOSLYN AVE
PONTIAC, MI 48340

MI INVENTORY **S123643092**
MI Financial Assurance **N/A**

Relative:
Lower

INVENTORY:
Name: 1085 JOSLYN AVENUE
Address: 1085 JOSLYN AVENUE
City,State,Zip: PONTIAC, MI
Bea Number: Not reported
Township: Not reported
District: Southeast MI
Data Source: Part 201
Latitude: 42.66765
Longitude: -83.28079

Actual:
978 ft.

FINANCIAL ASSURANCE 3:

Name: JOSLYN MINI MART, INC.
Address: 1085 JOSLYN AVE
City,State,Zip: PONTIAC, MI 48340
Facility ID: 10000268
Exempt: No
Expiration Date: 08/01/2020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JOSLYN MINI MART, INC. (Continued)

S123643092

Bond Rating Tests: UNCHECKED
Commerical Insurance: UNCHECKED
Guarantee: UNCHECKED
Letter of Credit: UNCHECKED
Risk Retention Group: UNCHECKED
Self Insurance: UNCHECKED
State Funds: CHECKED
Surety Bond: UNCHECKED
Trust Funds: UNCHECKED
Year: Not reported

E16
SSE
1/4-1/2
0.429 mi.
2266 ft.

AGREE FACILITY NO. 1, LLC
690 N. MARTIN LUTHER KING JR. BLVD.
PONTIAC, MI

MI BEA **S104912335**
N/A

Site 1 of 2 in cluster E

Relative:
Lower
Actual:
981 ft.

BEA:
Secondary Address: PERRY STREET & N MARTIN LUTHER KING JR.
BEA Number: 959
District: Southeast MI
Date Received: 08/18/1999
Submitter Name: AGREE FACILITY NO. 1 LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Different Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Storage Tank Division

E17
SSE
1/4-1/2
0.451 mi.
2382 ft.

JOSEPH CHARBONEAU
684 MARTIN LUTHER KING JR BLVD
PONTIAC, MI 48342

MI LUST **S106900501**
MI INVENTORY **N/A**
MI BEA

Site 2 of 2 in cluster E

Relative:
Lower
Actual:
979 ft.

LUST:
Name: JOSEPH CHARBONEAU
Address: 684 MARTIN LUTHER KING JR BLVD
City,State,Zip: PONTIAC, MI 48342-
Facility ID: 50000848
Source: STATE OF MICHIGAN
Owner Name: Owner, Nrt
Owner Address: Not reported
Owner City,St,Zip: UNKNOWN, MI
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Warren
Site Name: Rally's Hamburgers
Latitude: 42.61320
Longitude: -83.29564
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JOSEPH CHARBONEAU (Continued)

S106900501

Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1491-85
Release Date: 01/01/1900
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

INVENTORY:

Name: JOSEPH CHARBONEAU
Address: 684 MARTIN LUTHER KING JR BLVD
City,State,Zip: PONTIAC, MI 48342
Bea Number: Not reported
Township: Not reported
District: Southeast MI
Data Source: Part 213
Latitude: 42.6132
Longitude: -83.29564

BEA:

Secondary Address: Not reported
BEA Number: 473
District: Southeast MI
Date Received: 11/12/1997
Submitter Name: AGREE REALTY CORPORATION
Petition Determination: Denied
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: temppm
Division Assigned: Storage Tank Division

Secondary Address: Not reported
BEA Number: 588
District: Southeast MI
Date Received: 04/10/1998
Submitter Name: AGREE REALTY CORPORATION
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Different Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Storage Tank Division

18
North
1/2-1
0.720 mi.
3799 ft.

GENERAL MOTORS LLC
1251 JOSLYN AVE
PONTIAC, MI 48340

CORRACTS **1012180785**
RCRA-SQG **MIK622281269**
ICIS
FINDS
ECHO

Relative:
Lower

CORRACTS:

Actual:
982 ft.

Region: 05
Name: GENERAL MOTORS LLC
Address: 1251 JOSLYN AVE
Address 2: Not reported
City,State,Zip: PONTIAC, MI 48340

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1012180785

EPA ID: MIK622281269
Area Name: ENTIRE FACILITY
Corrective Action: CA005EE
Actual Date: 2013-11-22 00:00:00.0
NAICS Code 1: 423120
NAICS Code 2: Not reported
NAICS Code 3: Not reported
NAICS Code 4: Not reported

Region: 05
Name: GENERAL MOTORS LLC
Address: 1251 JOSLYN AVE
Address 2: Not reported
City,State,Zip: PONTIAC, MI 48340
EPA ID: MIK622281269
Area Name: ENTIRE FACILITY
Corrective Action: CA725YE
Actual Date: 2004-03-02 00:00:00.0
NAICS Code 1: 423120
NAICS Code 2: Not reported
NAICS Code 3: Not reported
NAICS Code 4: Not reported

Region: 05
Name: GENERAL MOTORS LLC
Address: 1251 JOSLYN AVE
Address 2: Not reported
City,State,Zip: PONTIAC, MI 48340
EPA ID: MIK622281269
Area Name: ENTIRE FACILITY
Corrective Action: CA750YE
Actual Date: 2004-03-02 00:00:00.0
NAICS Code 1: 423120
NAICS Code 2: Not reported
NAICS Code 3: Not reported
NAICS Code 4: Not reported

RCRA-SQG:

Date form received by agency: 2019-04-29 00:00:00.0
Facility name: GENERAL MOTORS LLC
Facility address: 1251 JOSLYN AVE
PONTIAC, MI 48340
EPA ID: MIK622281269
Mailing address: 6200 GRAND POINTE DR
MC 484-392-220
GRAND BLANC, MI 48439
Contact: ERICA FULTZ
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: 248-308-8414
Contact email: ERICA.FULTZ@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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1012180785

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 (PROP OWN)
Owner/operator address: 6200 GRAND POINTE DR MC 484-392-220
GRAND BLANC, MI 48439
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2009-07-10 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: GENERAL MOTORS LLC
Owner/operator address: 6200 GRAND POINTE DR MC 484-392-220
GRAND BLANC, MI 48439
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2009-07-10 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: GENERAL MOTORS LLC
Owner/operator address: 6200 GRAND POINTE DR MC 484-392-220
GRAND BLANC, MI 48439
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2009-07-10 00:00:00.
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1012180785

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2018-05-09 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Date form received by agency: 2017-10-02 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Date form received by agency: 2016-08-05 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Date form received by agency: 2015-06-08 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Date form received by agency: 2015-01-13 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Date form received by agency: 2015-01-13 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Large Quantity Generator

Date form received by agency: 2014-07-29 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Date form received by agency: 2013-12-18 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Date form received by agency: 2013-11-19 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Date form received by agency: 2012-06-06 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Date form received by agency: 2011-07-28 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Date form received by agency: 2011-04-20 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Date form received by agency: 2010-04-09 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1012180785

Date form received by agency: 2009-10-05 00:00:00.0
Site name: GENERAL MOTORS LLC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

Corrective Action Summary:

Event date: 2004-03-02 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2004-03-02 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2013-11-22 00:00:00.0
Event: FEDERAL ENFORCEMENT LEAD SITE

Violation Status: No violations found

ICIS:

Enforcement Action ID: 05-2014-9906
FRS ID: 110008447519
Action Name: GM LLC PONTIAC NORTH CAMPUS
Facility Name: GMC SERVICE PARTS OPERATIONS
Facility Address: 1251 JOSLYN AVE
PONTIAC, MI 48340
Enforcement Action Type: RCRA 3008H AO For Corrective Action
Facility County: OAKLAND
Program System Acronym: RCRAINFO
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 3008H
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.67222
Longitude in Decimal Degrees: -83.28067
Permit Type Desc: Not reported
Program System Acronym: MIK622281269
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: GMC SERVICE PARTS OPERATIONS
Address: 1251 JOSLYN AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: GMC SERVICE PARTS OPERATIONS
Address: 1251 JOSLYN AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1012180785

Facility Name: GMC SERVICE PARTS OPERATIONS
Address: 1251 JOSLYN AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: GMC SERVICE PARTS OPERATIONS
Address: 1251 JOSLYN AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

FINDS:

Registry ID: 110008447519

Click Here:

Environmental Interest/Information System:

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

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.

AIR MINOR

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

ECHO:

Envid: 1012180785
Registry ID: 110008447519
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110008447519>
Name: GMC SERVICE PARTS OPERATIONS
Address: 1251 JOSLYN AVE
City,State,Zip: PONTIAC, MI 48340

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

19
NNE
1/2-1
0.798 mi.
4212 ft.

Relative:
Lower

Actual:
969 ft.

YRC INC
1280 JOSLYN AVE
PONTIAC, MI 48340

RCRA-SQG
MI BROWNFIELDS
MI DEL PART 201
FINDS
ECHO
MI BEA
MI WDS

1000243805
MID108428822

RCRA-SQG:

Date form received by agency: 2019-04-22 00:00:00.0
Facility name: YRC INC
Facility address: 1280 JOSLYN AVE
PONTIAC, MI 48340
EPA ID: MID108428822
Mailing address: 10990 ROE AVE
OVERLAND PARK, KS 66211
Contact: JAMIE HAINES
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: 913-344-5205
Contact email: JAMIE.HAINES@YRCFREIGHT.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: YRC FREIGHT
Owner/operator address: 10990 ROE AVE
OVERLAND PARK, KS 66211
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2017-01-19 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: YRC INC D/B/A YRC FREIGHT
Owner/operator address: 10990 ROE AVE
OVERLAND PARK, KS 66211
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2017-01-19 00:00:00.
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YRC INC (Continued)

1000243805

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

Historical Generators:

Date form received by agency: 2018-04-30 00:00:00.0

Site name: YRC INC

Classification: Not a generator, verified

Date form received by agency: 2017-05-23 00:00:00.0

Site name: YRC INC

Classification: Small Quantity Generator

Date form received by agency: 2008-05-08 00:00:00.0

Site name: USF HOLLAND

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2007-12-17 00:00:00.0

Site name: USF HOLLAND

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2007-06-06 00:00:00.0

Site name: USF HOLLAND

Classification: Small Quantity Generator

Date form received by agency: 2005-04-28 00:00:00.0

Site name: USF HOLLAND

Classification: Small Quantity Generator

Date form received by agency: 2002-07-31 00:00:00.0

Site name: USF HOLLAND

Classification: Small Quantity Generator

Date form received by agency: 1986-10-01 00:00:00.0

Site name: USF HOLLAND

Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YRC INC (Continued)

1000243805

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 2006-03-21 00:00:00.0
Date achieved compliance: 2006-04-27 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2006-03-24 00:00:00.0
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: 2006-03-21 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 2006-04-27 00:00:00.0
Evaluation lead agency: State

BROWNFIELDS:

Facility ID: Not reported
Region: 1
Status: Not reported
Property Use: Not reported
BEA: No
Ernie Id Number: 63000003

DEL_PART201:

Facility ID: 63000003
Status: Delisted - no longer meets criteria specified in rules

FINDS:

Registry ID: 110008448643

Click Here:

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.

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

ECHO:

EnvId: 1000243805
Registry ID: 110008448643
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110008448643>
Name: YRC INC
Address: 1280 JOSLYN AVE
City,State,Zip: PONTIAC, MI 48340

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YRC INC (Continued)

1000243805

BEA:

Secondary Address: Not reported
BEA Number: 737
District: Southeast MI
Date Received: 10/08/1998
Submitter Name: USF HOLLAND, INC.
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Different Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: temppm
Division Assigned: Environmental Response Division

WDS:

Name: YRC INC
Address: 1280 JOSLYN AVE
City,State,Zip: PONTIAC, MI 48340
Site Id: MID108428822
WMD Id: 398300
Site Specific Name: YRC INC D/B/A YRC FREIGHT
Mailing Address: 10990 ROE AVE
Mailing City/State/Zip: 66211
Mailing County: Not reported

Name: MIRACLE MOBILE WASH INC
Address: 1280 JOSLYN AVE
City,State,Zip: PONTIAC, MI 48340
Site Id: MIK659286884
WMD Id: 464395
Site Specific Name: MIRACLE MOBILE WASH INC
Mailing Address: 4740 64TH ST SW
Mailing City/State/Zip: 49418
Mailing County: KENT

20
NW
1/2-1
0.860 mi.
4542 ft.

**Relative:
Lower**

**Actual:
980 ft.**

**REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPON
200 E COLUMBIA AVE
PONTIAC, MI 48340**

**SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
RCRA NonGen / NLR
2020 COR ACTION
WI MANIFEST
NY MANIFEST**

**1000128106
MID005356886**

SEMS Archive:

Site ID: 0502272
EPA ID: MID005356886
Name: GMC PONTIAC MOTOR DIV
Address: ONE PONTIAC PLZ
Address 2: Not reported
City,State,Zip: PONTIAC, MI 48053
Cong District: 19
FIPS Code: 26125
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 05

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Site ID: 0502272
EPA ID: MID005356886
Site Name: GMC PONTIAC MOTOR DIV
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1987-12-22 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 05
Site ID: 0502272
EPA ID: MID005356886
Site Name: GMC PONTIAC MOTOR DIV
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1980-08-01 04:00:00
Finish Date: 1980-08-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0502272
EPA ID: MID005356886
Site Name: GMC PONTIAC MOTOR DIV
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1987-12-22 05:00:00
Qual: N
Current Action Lead: St Perf

CORRACTS:

Region: 05
Name: REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Address: 200 E COLUMBIA AVE
Address 2: Not reported
City,State,Zip: PONTIAC, MI 48340
EPA ID: MID005356886
Area Name: ENTIRE FACILITY
Corrective Action: CA005EP
Actual Date: 2001-07-20 00:00:00.0
NAICS Code 1: 525920
NAICS Code 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	05
Name:	REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Address:	200 E COLUMBIA AVE
Address 2:	Not reported
City,State,Zip:	PONTIAC, MI 48340
EPA ID:	MID005356886
Area Name:	ENTIRE FACILITY
Corrective Action:	CA050
Actual Date:	1990-05-17 00:00:00.0
NAICS Code 1:	525920
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	05
Name:	REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Address:	200 E COLUMBIA AVE
Address 2:	Not reported
City,State,Zip:	PONTIAC, MI 48340
EPA ID:	MID005356886
Area Name:	ENTIRE FACILITY
Corrective Action:	CA070YE
Actual Date:	1990-05-17 00:00:00.0
NAICS Code 1:	525920
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	05
Name:	REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Address:	200 E COLUMBIA AVE
Address 2:	Not reported
City,State,Zip:	PONTIAC, MI 48340
EPA ID:	MID005356886
Area Name:	ENTIRE FACILITY
Corrective Action:	CA075LO
Actual Date:	1991-09-27 00:00:00.0
NAICS Code 1:	525920
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	05
Name:	REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Address:	200 E COLUMBIA AVE
Address 2:	Not reported
City,State,Zip:	PONTIAC, MI 48340
EPA ID:	MID005356886
Area Name:	ENTIRE FACILITY
Corrective Action:	CA100DC
Actual Date:	2000-10-10 00:00:00.0
NAICS Code 1:	525920
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported

Map ID
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REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

NAICS Code 4:	Not reported
Region:	05
Name:	REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Address:	200 E COLUMBIA AVE
Address 2:	Not reported
City,State,Zip:	PONTIAC, MI 48340
EPA ID:	MID005356886
Area Name:	ENTIRE FACILITY
Corrective Action:	CA725YE
Actual Date:	2004-03-02 00:00:00.0
NAICS Code 1:	525920
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	05
Name:	REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Address:	200 E COLUMBIA AVE
Address 2:	Not reported
City,State,Zip:	PONTIAC, MI 48340
EPA ID:	MID005356886
Area Name:	ENTIRE FACILITY
Corrective Action:	CA750YE
Actual Date:	2004-09-29 00:00:00.0
NAICS Code 1:	525920
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	05
Name:	REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Address:	200 E COLUMBIA AVE
Address 2:	Not reported
City,State,Zip:	PONTIAC, MI 48340
EPA ID:	MID005356886
Area Name:	02 WEST YARD
Corrective Action:	CA100DC
Actual Date:	1994-03-31 00:00:00.0
NAICS Code 1:	525920
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	05
Name:	REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Address:	200 E COLUMBIA AVE
Address 2:	Not reported
City,State,Zip:	PONTIAC, MI 48340
EPA ID:	MID005356886
Area Name:	TRACK 31
Corrective Action:	CA100DC
Actual Date:	1994-03-31 00:00:00.0
NAICS Code 1:	525920
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported

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REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Region: 05
Name: REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Address: 200 E COLUMBIA AVE
Address 2: Not reported
City,State,Zip: PONTIAC, MI 48340
EPA ID: MID005356886
Area Name: MONTCALM SEEP
Corrective Action: CA225IN
Actual Date: 2018-01-31 00:00:00.0
NAICS Code 1: 525920
NAICS Code 2: Not reported
NAICS Code 3: Not reported
NAICS Code 4: Not reported

Region: 05
Name: REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Address: 200 E COLUMBIA AVE
Address 2: Not reported
City,State,Zip: PONTIAC, MI 48340
EPA ID: MID005356886
Area Name: 02 WEST YARD
Corrective Action: CA600EC
Actual Date: 1996-07-23 00:00:00.0
NAICS Code 1: 525920
NAICS Code 2: Not reported
NAICS Code 3: Not reported
NAICS Code 4: Not reported

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

RCRA-TSDF:

Date form received by agency: 2015-09-18 00:00:00.0
Facility name: REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Facility address: 200 E COLUMBIA AVE
PONTIAC, MI 48340
EPA ID: MID005356886
Mailing address: 500 WOODWARD AVE, SUITE 2650
DETROIT, MI 48226
Contact: DAVE FAVERO
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: 734-879-9525
Contact email: DFAVERO@RACERTRUST.ORG
EPA Region: 05
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: RACER PROPERTIES LLS
Owner/operator address: Not reported

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REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2011-03-31 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: REVITALIZING AUTO COMMUNITIES ENVIRONMEN
Owner/operator address: Not reported

Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2011-03-31 00:00:00.
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: Yes
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

Historical Generators:

Date form received by agency: 2013-12-04 00:00:00.0
Site name: REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2012-10-23 00:00:00.0
Site name: REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Classification: Small Quantity Generator

Date form received by agency: 2010-02-22 00:00:00.0
Site name: MOTORS LIQUIDATION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2009-07-10 00:00:00.0
Site name: MOTORS LIQUIDATION COMPANY

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REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Classification: Large Quantity Generator

Date form received by agency: 2009-05-12 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Classification: Large Quantity Generator

Date form received by agency: 2008-03-01 00:00:00.0

Site name: GENERAL MOTORS CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 2008-02-27 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Classification: Large Quantity Generator

Date form received by agency: 2007-04-13 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Classification: Large Quantity Generator

Date form received by agency: 2006-03-01 00:00:00.0

Site name: GENERAL MOTORS CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 2006-02-27 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Classification: Large Quantity Generator

Date form received by agency: 2004-04-28 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Classification: Large Quantity Generator

Date form received by agency: 2004-03-01 00:00:00.0

Site name: GM METAL FABRICATING DIV

Classification: Large Quantity Generator

Date form received by agency: 2003-04-15 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Classification: Large Quantity Generator

Date form received by agency: 2002-03-01 00:00:00.0

Site name: GM METAL FABRICATING DIV

Classification: Large Quantity Generator

Date form received by agency: 2002-02-26 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Classification: Large Quantity Generator

Date form received by agency: 2001-04-06 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Classification: Not a generator, verified

Date form received by agency: 2000-02-24 00:00:00.0

Site name: GM METAL FABRICATING DIV

Classification: Large Quantity Generator

Date form received by agency: 1998-09-17 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Classification: Not a generator, verified

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REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Date form received by agency: 1998-03-20 00:00:00.0
Site name: GENERAL MOTORS CORP., METAL FABRICATING
Classification: Large Quantity Generator

Date form received by agency: 1996-01-25 00:00:00.0
Site name: METAL FABRICATING DIVISION OF
Classification: Large Quantity Generator

Date form received by agency: 1994-01-20 00:00:00.0
Site name: GMC, CLCD-PONTIAC MFG OPERATIONS
Classification: Large Quantity Generator

Date form received by agency: 1992-02-18 00:00:00.0
Site name: GMC CPC - PONTIAC
Classification: Large Quantity Generator

Date form received by agency: 1990-02-01 00:00:00.0
Site name: GMC CPC PONTIAC
Classification: Large Quantity Generator

Date form received by agency: 1980-11-19 00:00:00.0
Site name: MOTORS LIQUIDATION COMPANY
Classification: Not a generator, verified

Date form received by agency: 1980-08-12 00:00:00.0
Site name: MOTORS LIQUIDATION COMPANY
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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

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REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

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

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: P042
- . Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
- . Waste code: U226
- . Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Corrective Action Summary:

- Event date: 1990-05-17 00:00:00.0
- Event: RFA COMPLETED
- Event date: 1990-05-17 00:00:00.0
- Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
- Event date: 1991-09-27 00:00:00.0
- Event: CA PRIORITIZATION-LOW CA PRIORITY
- Event date: 1994-03-31 00:00:00.0
- Event: CA PRIORITIZATION-HIGH CA PRIORITY
- Event date: 1994-03-31 00:00:00.0
- Event: RFI IMPOSITION-FOCUSED DATA COLLECTION REQ STAB EVAL
- Event date: 1996-07-23 00:00:00.0
- Event: INTERIM MEASURES WKPLAN DUE/RECEIVED
- Event date: 1996-07-23 00:00:00.0
- Event: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS EXPOSURE CONTROL
- Event date: 1996-09-26 00:00:00.0
- Event: INTERIM MEASURES WKPLAN APPROVED
- Event date: 1996-09-27 00:00:00.0
- Event: INTERIM MEASURES INITIATED
- Event date: 1996-09-27 00:00:00.0
- Event: STABILIZATION CONSTRUCTION COMPLETED
- Event date: 2000-10-10 00:00:00.0
- Event: RFI IMPOSITION-FOCUSED DATA COLLECTION REQ STAB EVAL

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REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Event date: 2001-07-20 00:00:00.0
Event: FEDERAL PERMIT LEAD SITE

Event date: 2004-03-02 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2004-09-29 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2017-09-19 00:00:00.0
Event: ORDER APPEALED

Event date: 2018-01-31 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY

Event date: 2018-03-02 00:00:00.0
Event: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION & TREATMENT

Event date: 2018-06-08 00:00:00.0
Event: STABILIZATION/INTERIM MEASURES DECISION-OTHER

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 2006-02-16 00:00:00.0
Date achieved compliance: 2006-04-11 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2006-02-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2006-02-16 00:00:00.0
Date achieved compliance: 2006-04-11 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2006-02-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 2006-02-16 00:00:00.0
Date achieved compliance: 2006-04-11 00:00:00.0
Violation lead agency: State

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REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2006-02-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 2005-03-29 00:00:00.0
Date achieved compliance: 2005-05-27 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2005-04-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1993-12-08 00:00:00.0
Date achieved compliance: 1994-04-06 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-12-08 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1993-12-08 00:00:00.0
Date achieved compliance: 1994-04-06 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-12-08 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 1993-06-07 00:00:00.0
Date achieved compliance: 1993-12-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

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REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Enforcement action date: 1993-06-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1992-06-07 00:00:00.0
Date achieved compliance: 1993-12-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-06-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1991-01-22 00:00:00.0
Date achieved compliance: 1991-02-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1991-01-23 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1991-01-22 00:00:00.0
Date achieved compliance: 1991-02-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1991-01-23 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1989-06-26 00:00:00.0
Date achieved compliance: 1989-11-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-06-30 00:00:00.0

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REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 1989-03-31 00:00:00.0
Date achieved compliance: 1989-05-10 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-04-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1988-08-18 00:00:00.0
Date achieved compliance: 1988-10-20 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-09-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-08-18 00:00:00.0
Date achieved compliance: 1988-10-20 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-09-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1987-06-11 00:00:00.0
Date achieved compliance: 1987-09-30 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1987-06-30 00:00:00.0
Enf. disposition status: Not reported

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REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1987-06-11 00:00:00.0
Date achieved compliance: 1987-09-30 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1987-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1985-11-12 00:00:00.0
Date achieved compliance: 1986-04-06 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1985-11-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1985-11-12 00:00:00.0
Date achieved compliance: 1986-04-06 00:00:00.0
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 1986-10-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1985-11-12 00:00:00.0
Date achieved compliance: 1986-04-06 00:00:00.0
Violation lead agency: State
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement action date: 1986-04-08 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 2017-10-25 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2013-04-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2011-07-25 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2011-03-24 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-03-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2008-06-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-08-28 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-03-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-11-22 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-02-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 2006-04-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-02-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 2006-04-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-02-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2006-04-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-03-29 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 2005-05-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-06-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2002-09-20 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2001-08-31 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-09-30 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-05-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Evaluation date:	1998-04-16 00:00:00.0
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	1997-09-01 00:00:00.0
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	1997-06-09 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	1996-01-24 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	1995-08-21 00:00:00.0
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	1993-11-23 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	1994-04-06 00:00:00.0
Evaluation lead agency:	State
Evaluation date:	1993-11-23 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	1994-04-06 00:00:00.0
Evaluation lead agency:	State
Evaluation date:	1993-09-30 00:00:00.0
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	1993-05-24 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	1993-12-08 00:00:00.0
Evaluation lead agency:	State
Evaluation date:	1993-05-24 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Closure/Post-Closure

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Date achieved compliance: 1993-12-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-09-22 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1991-05-28 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1991-01-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1991-02-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-01-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1991-02-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-06-29 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1990-05-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-06-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1989-11-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-03-31 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1989-05-10 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-08-18 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-10-20 00:00:00.0
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Evaluation date: 1988-08-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1988-10-20 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-06-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1987-09-30 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-06-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1987-09-30 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1986-04-01 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 1986-03-11 00:00:00.0
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - General
Date achieved compliance: 1986-04-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1985-11-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1986-04-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1985-05-07 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RCRA NonGen / NLR:

Date form received by agency: 2015-09-18 00:00:00.0
Facility name: REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Facility address: 200 E COLUMBIA AVE
PONTIAC, MI 48340
EPA ID: MID005356886
Mailing address: 500 WOODWARD AVE, SUITE 2650
DETROIT, MI 48226
Contact: DAVE FAVERO
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: 734-879-9525
Contact email: DFAVERO@RACERTRUST.ORG
EPA Region: 05
Land type: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: RACER PROPERTIES LLS
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2011-03-31 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: REVITALIZING AUTO COMMUNITIES ENVIRONMEN
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2011-03-31 00:00:00.
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: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2013-12-04 00:00:00.0
Site name: REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2012-10-23 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Site name: REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
Classification: Small Quantity Generator

Date form received by agency: 2010-02-22 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2009-07-10 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2009-05-12 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2008-03-01 00:00:00.0

Site name: GENERAL MOTORS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 2008-02-27 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2007-04-13 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2006-03-01 00:00:00.0

Site name: GENERAL MOTORS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 2006-02-27 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2004-04-28 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2004-03-01 00:00:00.0

Site name: GM METAL FABRICATING DIV
Classification: Large Quantity Generator

Date form received by agency: 2003-04-15 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2002-03-01 00:00:00.0

Site name: GM METAL FABRICATING DIV
Classification: Large Quantity Generator

Date form received by agency: 2002-02-26 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2001-04-06 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Classification: Not a generator, verified

Date form received by agency: 2000-02-24 00:00:00.0

Site name: GM METAL FABRICATING DIV

Classification: Large Quantity Generator

Date form received by agency: 1998-09-17 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Classification: Not a generator, verified

Date form received by agency: 1998-03-20 00:00:00.0

Site name: GENERAL MOTORS CORP., METAL FABRICATING

Classification: Large Quantity Generator

Date form received by agency: 1996-01-25 00:00:00.0

Site name: METAL FABRICATING DIVISION OF

Classification: Large Quantity Generator

Date form received by agency: 1994-01-20 00:00:00.0

Site name: GMC, CLCD-PONTIAC MFG OPERATIONS

Classification: Large Quantity Generator

Date form received by agency: 1992-02-18 00:00:00.0

Site name: GMC CPC - PONTIAC

Classification: Large Quantity Generator

Date form received by agency: 1990-02-01 00:00:00.0

Site name: GMC CPC PONTIAC

Classification: Large Quantity Generator

Date form received by agency: 1980-11-19 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Classification: Not a generator, verified

Date form received by agency: 1980-08-12 00:00:00.0

Site name: MOTORS LIQUIDATION COMPANY

Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D005

. Waste name: BARIUM

. Waste code: D007

. Waste name: CHROMIUM

. Waste code: D008

. Waste name: LEAD

. Waste code: D018

. Waste name: BENZENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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 NONHALOGENATED 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 NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: P042
- . Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

- . Waste code: U226
- . Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Corrective Action Summary:

- Event date: 1990-05-17 00:00:00.0
- Event: RFA COMPLETED

- Event date: 1990-05-17 00:00:00.0
- Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

- Event date: 1991-09-27 00:00:00.0
- Event: CA PRIORITIZATION-LOW CA PRIORITY

- Event date: 1994-03-31 00:00:00.0
- Event: CA PRIORITIZATION-HIGH CA PRIORITY

- Event date: 1994-03-31 00:00:00.0
- Event: RFI IMPOSITION-FOCUSED DATA COLLECTION REQ STAB EVAL

- Event date: 1996-07-23 00:00:00.0
- Event: INTERIM MEASURES WKPLAN DUE/RECEIVED

- Event date: 1996-07-23 00:00:00.0
- Event: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS EXPOSURE CONTROL

- Event date: 1996-09-26 00:00:00.0
- Event: INTERIM MEASURES WKPLAN APPROVED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Event date:	1996-09-27 00:00:00.0
Event:	INTERIM MEASURES INITIATED
Event date:	1996-09-27 00:00:00.0
Event:	STABILIZATION CONSTRUCTION COMPLETED
Event date:	2000-10-10 00:00:00.0
Event:	RFI IMPOSITION-FOCUSED DATA COLLECTION REQ STAB EVAL
Event date:	2001-07-20 00:00:00.0
Event:	FEDERAL PERMIT LEAD SITE
Event date:	2004-03-02 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2004-09-29 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2017-09-19 00:00:00.0
Event:	ORDER APPEALED
Event date:	2018-01-31 00:00:00.0
Event:	STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY
Event date:	2018-03-02 00:00:00.0
Event:	STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION & TREATMENT
Event date:	2018-06-08 00:00:00.0
Event:	STABILIZATION/INTERIM MEASURES DECISION-OTHER

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	TSD - Contingency Plan and Emergency Procedures
Date violation determined:	2006-02-16 00:00:00.0
Date achieved compliance:	2006-04-11 00:00:00.0
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	2006-02-24 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	TSD - General Facility Standards
Date violation determined:	2006-02-16 00:00:00.0
Date achieved compliance:	2006-04-11 00:00:00.0
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	2006-02-24 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

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

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 2006-02-16 00:00:00.0
Date achieved compliance: 2006-04-11 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2006-02-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 2005-03-29 00:00:00.0
Date achieved compliance: 2005-05-27 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2005-04-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1993-12-08 00:00:00.0
Date achieved compliance: 1994-04-06 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-12-08 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1993-12-08 00:00:00.0
Date achieved compliance: 1994-04-06 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-12-08 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

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

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 1993-06-07 00:00:00.0
Date achieved compliance: 1993-12-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-06-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1992-06-07 00:00:00.0
Date achieved compliance: 1993-12-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-06-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1991-01-22 00:00:00.0
Date achieved compliance: 1991-02-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1991-01-23 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1991-01-22 00:00:00.0
Date achieved compliance: 1991-02-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1991-01-23 00:00:00.0
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1989-06-26 00:00:00.0
Date achieved compliance: 1989-11-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 1989-03-31 00:00:00.0
Date achieved compliance: 1989-05-10 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-04-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1988-08-18 00:00:00.0
Date achieved compliance: 1988-10-20 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-09-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-08-18 00:00:00.0
Date achieved compliance: 1988-10-20 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-09-14 00:00:00.0
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1987-06-11 00:00:00.0
Date achieved compliance: 1987-09-30 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1987-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1987-06-11 00:00:00.0
Date achieved compliance: 1987-09-30 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1987-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1985-11-12 00:00:00.0
Date achieved compliance: 1986-04-06 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1985-11-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1985-11-12 00:00:00.0
Date achieved compliance: 1986-04-06 00:00:00.0
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 1986-10-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Area of violation: TSD - General
Date violation determined: 1985-11-12 00:00:00.0
Date achieved compliance: 1986-04-06 00:00:00.0
Violation lead agency: State
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement action date: 1986-04-08 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 2017-10-25 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2013-04-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2011-07-25 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2011-03-24 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-03-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2008-06-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-08-28 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-03-22 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-11-22 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-02-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 2006-04-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-02-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 2006-04-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-02-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2006-04-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-03-29 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 2005-05-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-06-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2002-09-20 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2001-08-31 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1999-09-30 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Evaluation lead agency: State

Evaluation date: 1999-05-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1998-04-16 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-09-01 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-06-09 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-01-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-08-21 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-11-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1994-04-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-11-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1994-04-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-09-30 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-05-24 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1993-12-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-05-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 1993-12-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-09-22 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1991-05-28 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1991-01-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1991-02-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-01-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1991-02-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-06-29 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1990-05-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-06-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1989-11-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-03-31 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1989-05-10 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Evaluation lead agency: State

Evaluation date: 1988-08-18 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-10-20 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-08-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1988-10-20 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-06-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1987-09-30 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-06-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1987-09-30 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1986-04-01 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 1986-03-11 00:00:00.0
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - General
Date achieved compliance: 1986-04-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1985-11-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1986-04-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1985-05-07 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

2020 COR ACTION:

EPA ID: MID005356886
Region: 5
Action: Not reported

WI MANIFEST:

Name: GM PONTIAC SITE OPERATIONS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Address: 220 EAST SOLUMBIA AVENUE
City,State,Zip: PONTIAC, MI 48340
Year: 2008
EPA ID: MID005356886
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Name: GM PONTIAC SITE OPERATIONS
Address: 220 EAST SOLUMBIA AVENUE
City,State,Zip: PONTIAC, MI 48340
Year: 2006
EPA ID: MID005356886
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Name: GM PONTIAC SITE OPERATIONS
Address: 220 EAST SOLUMBIA AVENUE
City,State,Zip: PONTIAC, MI 48340
Year: 2005
EPA ID: MID005356886
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: 0
Contact Telephone: 0
Contact EMail Address: Not reported

NY MANIFEST:

Name: GENERAL MOTORS-CPC-PONTIAC MFG LAB
Address: ONE PONTIAC PLAZA
City,State,Zip: PONTIAC, MI 48340-2952

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Country: USA
EPA ID: MID005356886
Facility Status: Not reported
Location Address 1: 1 PONTIAC PLAZA
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: PONTIAC
Location State: MI
Location Zip: 48053
Location Zip 4: Not reported

NY MANIFEST:

EPAID: MID005356886
Mailing Name: GENERAL MOTORS-CPC-PONTIAC MFG LAB
Mailing Contact: GENERAL MOTORS-CPC-PONTIAC MFG LAB
Mailing Address 1: 1 PONTIAC PLAZA
Mailing Address 2: Not reported
Mailing City: PONTIAC
Mailing State: MI
Mailing Zip: 48053
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 3138576394

NY MANIFEST:

Document ID: NYB9570294
Manifest Status: Not reported
seq: Not reported
Year: 2005
Trans1 State ID: OHD068913409
Trans2 State ID: Not reported
Generator Ship Date: 12/05/2005
Trans1 Recv Date: 12/05/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/06/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: MID005356886
Trans1 EPA ID: T117060TN
Trans2 EPA ID: Not reported
TSDF ID 1: NYD049836679
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported
Discr Partial Reject Indicator: Not reported
Discr Full Reject Indicator: Not reported
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: Not reported
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Waste Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST (Continued)

1000128106

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00025
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00500
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	01.00
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	Not reported

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PONTIAC	1012180529	GENERAL MOTORS LLC	850 GLENWOOD	48340	CORRACTS, RCRA-LQG, PADS

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: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	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: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

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 EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/17/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 07/17/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/26/2020
	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: 03/23/2020	Source: EPA
Date Data Arrived at EDR: 03/25/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 312-886-6186
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 312-886-6186
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 312-886-6186
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 312-886-6186
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

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: 05/15/2020	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2020	Telephone: 843-820-7326
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 05/14/2020
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/22/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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

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

Date of Government Version: N/A
Date Data Arrived at EDR: 10/31/2013
Date Made Active in Reports: 11/20/2013
Number of Days to Update: 20

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-284-5103
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: No Update Planned

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

SWF/LF: Solid Waste Facilities Database

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

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/10/2020
Number of Days to Update: 78

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4035
Last EDR Contact: 06/23/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

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

Date of Government Version: 01/08/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 66

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-9837
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Annually

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: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
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: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

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

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

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

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 12/17/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 02/01/2020	Source: FEMA
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-646-5797
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 07/06/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 03/16/2020	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 04/10/2020	Telephone: 517-373-1820
Date Made Active in Reports: 06/01/2020	Last EDR Contact: 07/08/2020
Number of Days to Update: 52	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Varies

UST: Underground Storage Tank Facility List

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

Date of Government Version: 05/07/2019	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 08/13/2019	Telephone: 517-373-1820
Date Made Active in Reports: 10/24/2019	Last EDR Contact: 05/15/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 05/06/2020	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 05/06/2020	Telephone: 517-373-1820
Date Made Active in Reports: 07/22/2020	Last EDR Contact: 04/29/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: No Update Planned

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6137
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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: 10/11/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/04/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

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: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
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: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
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: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
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: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 02/27/2020
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 75

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-4828
Last EDR Contact: 05/19/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

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

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: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 01/15/2016
Date Data Arrived at EDR: 02/02/2016
Date Made Active in Reports: 04/04/2016
Number of Days to Update: 62

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-4805
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/23/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/14/2020
Number of Days to Update: 77

Source: Economic Development Corporation
Telephone: 888-522-0103
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 01/09/2020
Date Data Arrived at EDR: 01/10/2020
Date Made Active in Reports: 03/11/2020
Number of Days to Update: 61

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-5719
Last EDR Contact: 06/18/2020
Next Scheduled EDR Contact: 10/05/2020
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: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

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

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: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/01/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

PART 201: Part 201 Site List

A Part 201 Listed site is a location that has been evaluated and scored by the DEQ using the Part 201 scoring model. The location is or includes a "facility" as defined by Part 201, where there has been a release of a hazardous substance(s) in excess of the Part 201 residential criteria, and/or where corrective actions have not been completed under Part 201 to meet the applicable cleanup criteria for unrestricted residential use. The Part 201 List does not include all of the sites of contamination that are subject to regulation under Part 201 because owners are not required to inform the DEQ about the sites and can pursue cleanup independently. Sites of environmental contamination that are not known to DEQ are not on the list, nor are sites with releases that resulted in low environmental impact.

Date of Government Version: 10/01/2013
Date Data Arrived at EDR: 10/03/2014
Date Made Active in Reports: 10/03/2014
Number of Days to Update: 0

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-284-5103
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

INVENTORY: Inventory of Facilities

The Inventory of Facilities has three data sources: Facilities under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) identified through state funded or private party response activities (Projects); Facilities under Part 213, Leaking Underground Storage Tanks of the NREPA; and Facilities identified through submittals of Baseline Environmental Assessments (BEA) submitted pursuant to Part 201 or Part 213 of the NREPA. The Part 201 Projects Inventory does not include all of the facilities that are subject to regulation under Part 201 because owners are not required to inform the Department of Environmental Quality (DEQ) about the facilities and can pursue cleanup independently. Facilities that are not known to DEQ are not on the Inventory, nor are locations with releases that resulted in low environmental impact. Part 213 facilities listed here may have more than one release; a list of releases for which corrective actions have been completed and list of releases for which corrective action has not been completed is located on the Leaking Underground Storage Tanks Site Search webpage. The DEQ may or may not have reviewed and concurred with the conclusion that the corrective actions described in a closure report meets criteria. A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/08/2020
Number of Days to Update: 78

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-284-5136
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 02/10/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 04/28/2020
Number of Days to Update: 69

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 07/07/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEL PART 201: Delisted List of Contaminated Sites

A deleted site has been removed from the Part 201 List because information known to the DEQ at the time of the evaluation does not support inclusion on the Part 201 List. This designation is often applied to sites where changes in cleanup criteria resulted in a determination that the site no longer exceeds any applicable cleanup criterion.

A delisted site has been removed from the Part 201 List because response actions have reduced the levels of contaminants to concentrations which meet or are below the criteria for unrestricted residential use.

Date of Government Version: 08/01/2013

Date Data Arrived at EDR: 08/01/2013

Date Made Active in Reports: 09/11/2013

Number of Days to Update: 41

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-373-9541

Last EDR Contact: 07/22/2019

Next Scheduled EDR Contact: 11/04/2019

Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

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

Date of Government Version: 03/18/2020

Date Data Arrived at EDR: 03/19/2020

Date Made Active in Reports: 06/09/2020

Number of Days to Update: 82

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 05/18/2020

Next Scheduled EDR Contact: 09/07/2020

Data Release Frequency: Quarterly

PFAS: PFAS Contaminated Sites Listing

PFAS have been widely used in numerous industrial and residential applications since the 1950s. Their stability and unique chemical properties produce waterproof, stain resistant, and nonstick qualities in products. They are found in some firefighting foams and a wide range of consumer products such as carpet treatments, non-stick cookware, water-resistant fabrics, food packaging materials, and personal care products.

Date of Government Version: 02/07/2020

Date Data Arrived at EDR: 02/11/2020

Date Made Active in Reports: 04/17/2020

Number of Days to Update: 66

Source: Department of Environment, Great Lakes & Energy

Telephone: 517-284-9278

Last EDR Contact: 05/13/2020

Next Scheduled EDR Contact: 08/24/2020

Data Release Frequency: Varies

Local Land Records

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 10/11/2019

Date Data Arrived at EDR: 10/17/2019

Date Made Active in Reports: 12/11/2019

Number of Days to Update: 55

Source: Department of Environment, Great Lakes, and Energy

Telephone: 517-241-7603

Last EDR Contact: 07/17/2020

Next Scheduled EDR Contact: 10/26/2020

Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

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: 02/27/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/23/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 03/31/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/16/2020
Number of Days to Update: 79

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-8427
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

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: 01/28/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
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: 888-275-8747
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 07/06/2020
Number of Days to Update: 574	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: N/A

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: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/15/2020
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/24/2020	Telephone: 202-566-1917
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 05/04/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 05/08/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 06/17/2020
Number of Days to Update: 198	Next Scheduled EDR Contact: 09/28/2020
	Data Release Frequency: Every 4 Years

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: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: 202-566-0250
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 05/21/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Annually

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: 03/01/2020	Source: EPA
Date Data Arrived at EDR: 04/21/2020	Telephone: 202-564-4203
Date Made Active in Reports: 07/15/2020	Last EDR Contact: 07/21/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Annually

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: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 703-416-0223
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/05/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/20/2019	Telephone: 202-564-8600
Date Made Active in Reports: 04/17/2020	Last EDR Contact: 07/15/2020
Number of Days to Update: 149	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/17/2020
	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: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 07/13/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/30/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/20/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/05/2020
Next Scheduled EDR Contact: 09/14/2020
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: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/01/2020
Next Scheduled EDR Contact: 09/14/2020
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: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/08/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

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: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/07/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust.

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/31/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 50

Source: DOL, Mine Safety & Health Admini
Telephone: 202-693-9424
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

US 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: 02/11/2020
Date Data Arrived at EDR: 02/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 86

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/22/2020
Number of Days to Update: 84

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/05/2020
Date Data Arrived at EDR: 03/06/2020
Date Made Active in Reports: 05/29/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/19/2020
Next Scheduled EDR Contact: 09/21/2020
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: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/19/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Quarterly

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/16/2020
Date Data Arrived at EDR: 03/18/2020
Date Made Active in Reports: 06/01/2020
Number of Days to Update: 75

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-7074
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing Asbestos

Date of Government Version: 05/31/2020
Date Data Arrived at EDR: 06/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 21

Source: Department of Licensing & Regulatory Affairs
Telephone: 517-284-7699
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

BEA: Baseline Environmental Assessment Database

A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

Date of Government Version: 08/21/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 20

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-9541
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 77

Source: Department of Environment, Great Lakes, and Energy
Telephone: 586-753-3754
Last EDR Contact: 06/23/2020
Next Scheduled EDR Contact: 10/11/2020
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 12/12/2019
Date Data Arrived at EDR: 01/14/2020
Date Made Active in Reports: 03/11/2020
Number of Days to Update: 57

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4586
Last EDR Contact: 07/17/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-6610
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 06/25/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 6

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4034
Last EDR Contact: 06/18/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINANCIAL ASSURANCE 3: Financial Assurance Information Listing

Financial assurance information for underground storage tank facilities.

Date of Government Version: 03/03/2020
Date Data Arrived at EDR: 03/06/2020
Date Made Active in Reports: 05/26/2020
Number of Days to Update: 81

Source: Department of Licensing & Regulatory Affairs
Telephone: 517-335-7279
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

LEAD CERT: Lead Safe Housing Registry

A listing of Michigan properties included in the Lead Safe Housing Registry.

Date of Government Version: 03/25/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 82

Source: Department of Community Health
Telephone: 517-335-9699
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

NPDES: List of Active NPDES Permits

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

Date of Government Version: 04/01/2020
Date Data Arrived at EDR: 04/03/2020
Date Made Active in Reports: 06/19/2020
Number of Days to Update: 77

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-1300
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 07/08/2019
Date Data Arrived at EDR: 07/09/2019
Date Made Active in Reports: 09/19/2019
Number of Days to Update: 72

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-1515
Last EDR Contact: 07/15/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 11/20/2019
Date Data Arrived at EDR: 11/21/2019
Date Made Active in Reports: 01/24/2020
Number of Days to Update: 64

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-284-6562
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS 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.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/08/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 07/01/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA PART 201: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Great Lakes, and Energy
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environment, Great Lakes, and Energy
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Great Lakes, and Energy
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/30/2020
Date Data Arrived at EDR: 01/30/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 39

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/12/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/04/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

RACER PONTIAC NORTH JOSLYN AVE PARCELS
830 - 898 JOSLYN AVE
PONTIAC, MI 48340

TARGET PROPERTY COORDINATES

Latitude (North):	42.661545 - 42° 39' 41.56"
Longitude (West):	83.279776 - 83° 16' 47.19"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	313153.2
UTM Y (Meters):	4725536.5
Elevation:	987 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6066316 PONTIAC NORTH, MI
Version Date:	2014

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).

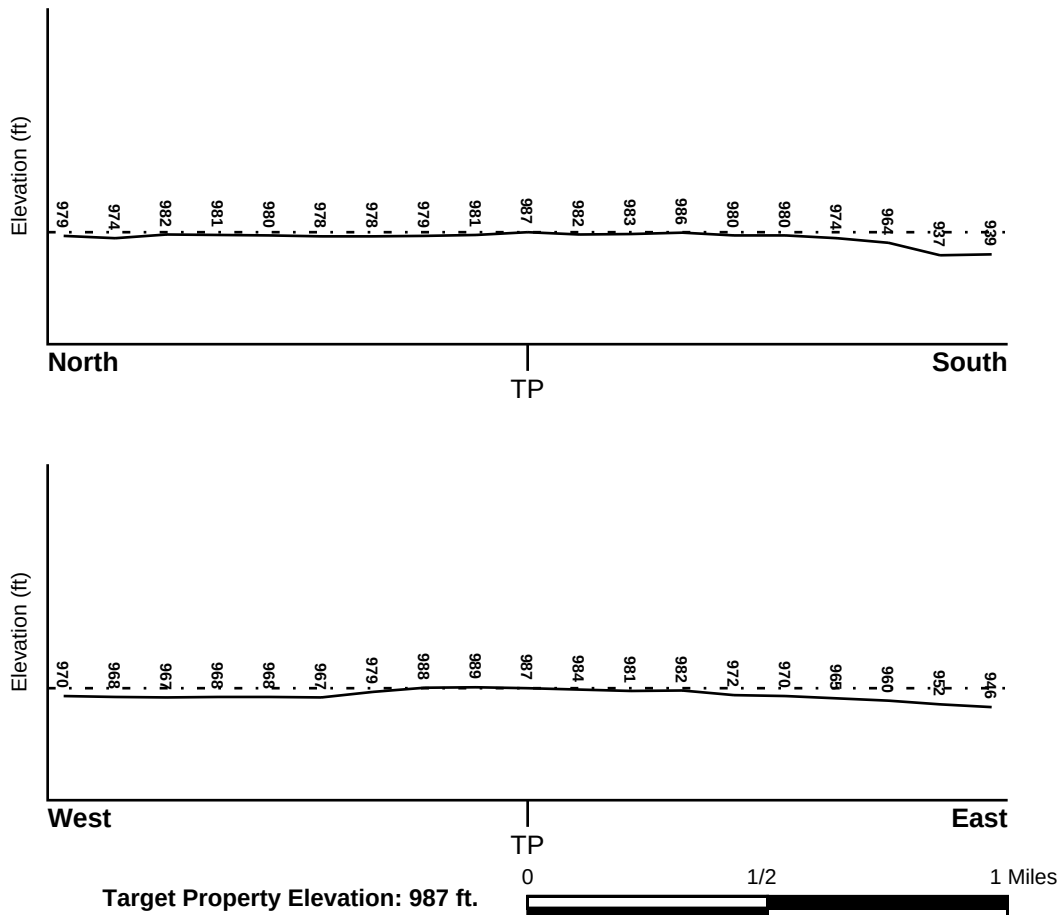
TOPOGRAPHIC INFORMATION

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 NE

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

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
26125C0367F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
26125C0366F	FEMA FIRM Flood data
26125C0368F	FEMA FIRM Flood data
26125C0369F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
PONTIAC 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.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
2	1/2 - 1 Mile SW	SW
3	1/2 - 1 Mile NW	E
4	1/2 - 1 Mile WSW	SE
1G	1/2 - 1 Mile NW	E
2G	1/2 - 1 Mile WSW	SE
3G	1/2 - 1 Mile SW	SW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

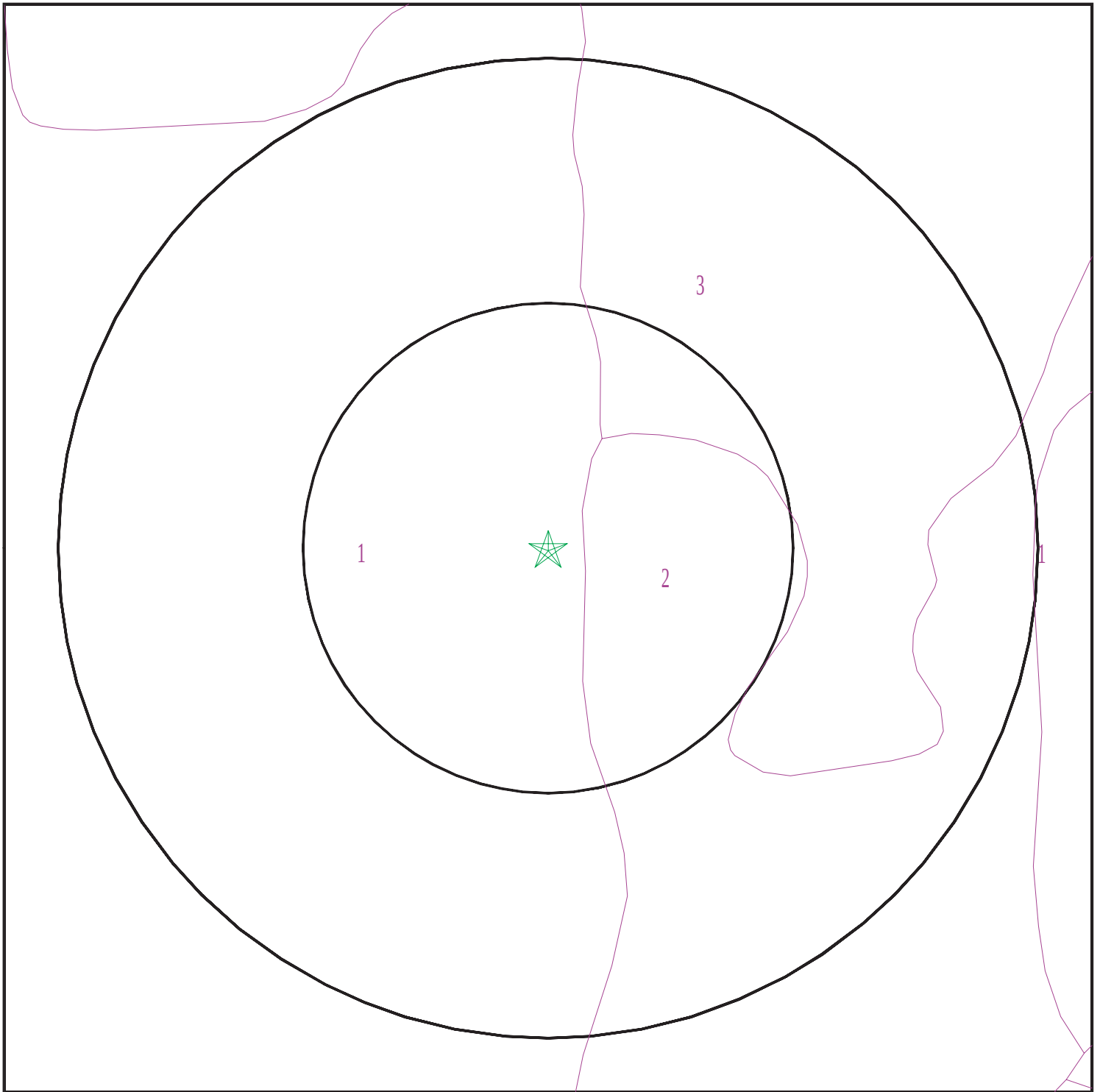
Era:	Paleozoic
System:	Mississippian
Series:	Osagean and Kinderhookian Series
Code:	M1 (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6130947.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: RACER Pontiac North Joslyn Ave Parcels
ADDRESS: 830 - 898 Joslyn Ave
Pontiac MI 48340
LAT/LONG: 42.661545 / 83.279776

CLIENT: ARCADIS U.S., Inc.
CONTACT: Brad Saunders
INQUIRY #: 6130947.2s
DATE: July 23, 2020 8:59 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 130 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000482389	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

STATE DATABASE WELL INFORMATION

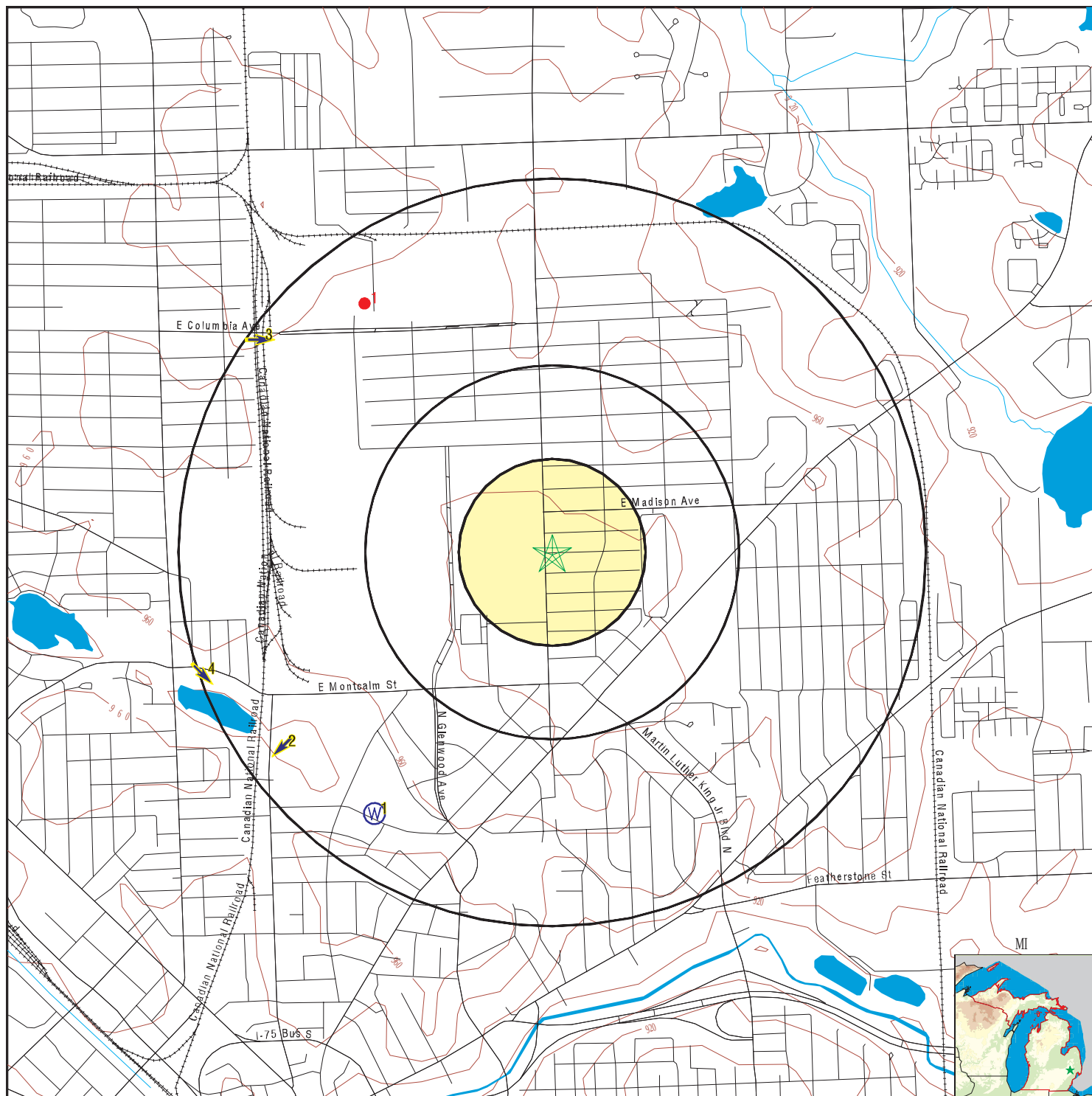
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	MIOG11000055168	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 6130947.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: RACER Pontiac North Joslyn Ave Parcels
 ADDRESS: 830 - 898 Joslyn Ave
 Pontiac MI 48340
 LAT/LONG: 42.661545 / 83.279776

CLIENT: ARCADIS U.S., Inc.
 CONTACT: Brad Saunders
 INQUIRY #: 6130947.2s
 DATE: July 23, 2020 8:58 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SW
1/2 - 1 Mile
Lower

FED USGS USGS40000482389

Organization ID:	USGS-MI	Organization Name:	USGS Michigan Water Science Center
Monitor Location:	03N 10E 21CCBB 01	Type:	Well
Description:	Not Reported	HUC:	04090003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Pleistocene Series	Aquifer Type:	Not Reported
Construction Date:	19220101	Well Depth:	289
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

2
SW
1/2 - 1 Mile
Lower

Site ID: 635108
Groundwater Flow: SW
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: Not Reported
Date: 06/22/1994

AQUIFLOW 35792

3
NW
1/2 - 1 Mile
Lower

Site ID: 635099
Groundwater Flow: E
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: 27
Date: 04/30/1998

AQUIFLOW 45803

4
WSW
1/2 - 1 Mile
Lower

Site ID: 635125
Groundwater Flow: SE
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: 7
Date: 02/25/1994

AQUIFLOW 35963

1G
NW
1/2 - 1 Mile
Lower

Site ID: 635099
Groundwater Flow: E
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: 27
Date: 04/30/1998

AQUIFLOW 45803

2G
WSW
1/2 - 1 Mile
Lower

Site ID: 635125
Groundwater Flow: SE
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: 7
Date: 02/25/1994

AQUIFLOW 35963

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

3G
SW
1/2 - 1 Mile
Lower

Site ID: 635108
Groundwater Flow: SW
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: Not Reported
Date: 06/22/1994

AQUIFLOW 35792

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
NW
1/2 - 1 Mile

OIL_GAS MIOG11000055168

Gas/Oil: 12707
Permit #: 58653
Well Type: Oil
Bore Type: Oil and Gas Test
Total Depth Drilled: 4626
Kickoff Point of TVD: 0
Formation Tops: K
Production Unit #: 21299
Lease Name: GM
Operator #: 104
Surface Owner: GENERAL MOTORS COMPANY
Federally Owned Land: 0
Plug Date: Not Reported

API Well #: 21125586530000
Completion: 0
Well Status: Plugging Approved
Slant: D
True Vertical Depth: 3978
Deepest Formation: NIAGARAN GRAY
Production Formation: NIAGARAN(O)
Production Unit: GM 1-16
Well #: 1-16
Company Name: WEST BAY EXPLORATION COMPANY
State Owned Land: 0
Permit Date: Not Reported
H2S Concentration: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Result
48340	4/17/2007		1.5
48340	4/9/1997		1.4
48340	2/10/1995		1.2
48340	4/16/2007		1.3
48340	11/30/2001		1.0
48340	11/5/2009		1.1
48340	11/4/2006	<	0.3
48340	4/16/2005	<	0.3
48340	12/9/2002		0.5
48340	10/28/2006		0.6
48340	10/30/2006		0.6
48340	3/10/1995		0.6
48340	9/17/1996		0.8
48340	11/5/2003		2.5
48340	4/4/2008		2.5
48340	11/16/2007		2.3
48340	2/2/2007		2.2
48340	2/27/1995		2.2
48340	3/28/2006		2.3
48340	12/2/2002		2.1
48340	11/5/2007		2.6
48340	11/5/2007		2.8
48340	11/12/2005		3.6
48340	3/21/2000	<	0.3
48340	1/25/2010		3.4
48340	5/4/2009		3.4
48340	9/30/2000	<	0.3
48340	11/2/2007		3.1
48340	12/5/2009		3.2
48340	3/21/2007		3.7
48340	10/22/2007		5.9
48340	11/2/2006		10.8
48340	4/2/1999		2.0

Federal EPA Radon Zone for OAKLAND County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for OAKLAND COUNTY, MI

Number of sites tested: 61

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.189 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.539 pCi/L	93%	7%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

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 Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

The data in this file was obtained from Wellogis, the Michigan Department of Environmental Quality Statewide Groundwater Database (SGWD). Wellogis contains approximately 425,000 water well records found within the State of Michigan, and although it represents the best available data, it cannot be considered a complete database of all the wells or well records in existence. Locations of verified municipal and private water well sites compiled from Michigan Department of Public Health, Water Well and Pump Records. Available in the following MI counties: Calhoun, Eaton, Genesee, Ingham, Jackson, Kalamazoo, Kent, Midland, Muskegon, Oakland, Ottawaw, Saginaw, St. Clair, Washtenaw.

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Environmental Quality

Telephone: 517-241-1528

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551

Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

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

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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ATTACHMENT 4

PREVIOUS INVESTIGATION REPORTS

Initial Assessment Report – Parsons January 199

**LEAKING UNDERGROUND STORAGE TANK
INITIAL ASSESSMENT REPORT**

FEB - 3 1997

UNDERGROUND STORAGE TANK DIVISION
DISTRICT OFFICE

INSTRUCTIONS: COMPLETION OF THIS REPORT WITH ALL APPLICABLE INFORMATION IS MANDATORY. Complete this form with all applicable information. The Certified Underground Storage Tank Professional (CP) MUST sign below. Failure to submit a report within the stated time period may result in Administrative Penalties as provided for in Part 213, Section 21321 of Act 451, P.A. 1994 as amended.

FACILITY NAME: Vacant Lot (GM-Lenox)	FACILITY ID NUMBER: 5-001946
ADDRESS: Northeast Corner of Joslyn and Lenox, Pontiac, Michigan COUNTY: Oakland	MERA SITE ID NUMBER:
DATE(S) RELEASE DISCOVERED: 11/01/96	CONFIRMED RELEASE NUMBER(S): C-889-96
O/O NAME: General Motors Corporation	MUSTFA CLAIM NUMBER:
O/O ADDRESS: Argonaut "A" - 1004 H, 485 W. Milwaukee Ave., Detroit, Michigan 48202-3220	
CONTACT PERSON: Keith West	PHONE NUMBER: (313) 556-0821

ANSWER ALL QUESTIONS. (DO NOT LEAVE BLANKS):

- Has the UST been emptied? ☒ Yes ☐ No (If no, explain why):
- Free product present: a. Currently? ☐ YES ☒ NO If YES, total gallons recovered since last report:
b. Previously? ☐ YES ☒ NO If YES, total gallons recovered to date:
- Have vapors been identified in any confined spaces (basement, sewers)? ☐ YES ☒ NO
- State the number of homes where drinking water is or was affected as a result of a release from this facility: **None**
- Estimated distance and direction from point of release to nearest:
a. Private well: **+ 1 Mile S** b. Municipal well: **+ 1 Mile S** c. Surface water/wetland: **5000 ft WSW**
- Since last report: a. cubic yards of soil remediated: **0** b. gallons of groundwater remediated: **0**
- Totals to date: a. cubic yards of soil remediated: **0** b. gallons of groundwater remediated: **0**
- Michigan RBCA Site Classification (1-4): **4**

CERTIFICATION OF REPORT COMPLETION

I, the undersigned CP, hereby attest to the best of my knowledge and belief that the statements in this document and all attachments are true, accurate and complete. I certify that it was submitted to the USTD on 1/30/97.
(date submitted-Required)

David A. Lomas
CP Original Signature - Required

1/30/97
Date

David A. Lomas
PRINT QC Project Manager's Name

David A. Lomas
PRINT CP's Name

Parsons Engineering Science, Inc.
CONSULTANT

30800 Telegraph, Suite 3858, Bingham Farms, MI 48025
ADDRESS

(810) 433-2700
PHONE NO.

(810) 433-0835
FAX NO.

PLEASE RETURN THIS COMPLETED REPORT AND ASSOCIATED ATTACHMENTS TO THE APPROPRIATE USTD DISTRICT OFFICE, LISTED ON THE BACK OF THIS PAGE.

Fed Ex # 3526278173

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
INITIAL ASSESSMENT REPORT (Continued)**

UNDERGROUND STORAGE TANK DIVISION OFFICES AND LOCATIONS

Determine in which county the UST release occurred. Return all completed forms and associated reports to the USTD office listed next to that county in the following table. Addresses for the USTD offices are listed below.

COUNTY	USTD OFFICE	COUNTY	USTD OFFICE	COUNTY	USTD OFFICE	COUNTY	USTD OFFICE
Alcona	Grayling	Dickinson	Marquette	Lake	Grayling	Oceana	Grand Rapids
Alger	Marquette	Eaton	Shiawassee	Lapeer	Shiawassee	Ogemaw	Grayling
Allegan	Plainwell	Emmet	Grayling	Leelanau	Grayling	Ontonagon	Marquette
Alpena	Grayling	Genesee	Shiawassee	Lenawee	Jackson	Osceola	Grayling
Antrim	Grayling	Gladwin	Grayling	Livingston	Shiawassee	Oscoda	Grayling
Arenac	Grayling	Gogebic	Marquette	Luce	Marquette	Otsego	Grayling
Baraga	Marquette	Grand Traverse	Grayling	Mackinac	Marquette	Ottawa	Grand Rapids
Barry	Plainwell	Gratiot	Shiawassee	Macomb	SE Michigan	Presque Isle	Grayling
Bay	Saginaw-Bay	Hillsdale	Jackson	Manistee	Grayling	Roscommon	Grayling
Benzie	Grayling	Houghton	Marquette	Marquette	Marquette	Saginaw	Saginaw-Bay
Berrien	Plainwell	Huron	Saginaw-Bay	Mason	Grayling	Sanilac	Saginaw-Bay
Branch	Jackson	Ingham	Shiawassee	Mecosta	Grand Rapids	Schoolcraft	Marquette
Calhoun	Jackson	Ionia	Grand Rapids	Menominee	Marquette	Shiawassee	Shiawassee
Cass	Plainwell	Iosco	Grayling	Midland	Saginaw-Bay	St Clair	SE Michigan
Charlevoix	Grayling	Iron	Marquette	Missaukee	Grayling	St Joseph	Plainwell
Cheboygan	Grayling	Isabella	Saginaw-Bay	Monroe	SE Michigan	Tuscola	Saginaw-Bay
Chippewa	Marquette	Jackson	Jackson	Montcalm	Grand Rapids	Van Buren	Plainwell
Clare	Grayling	Kalamazoo	Plainwell	Montmorency	Grayling	Washtenaw	Jackson
Clinton	Shiawassee	Kalkaska	Grayling	Muskegon	Grand Rapids	Wayne	SE Michigan
Crawford	Grayling	Kent	Grand Rapids	Newaygo	Grand Rapids	Wexford	Grayling
Delta	Marquette	Keweenaw	Marquette	Oakland	SE Michigan		

<u>CADILLAC OFFICE</u> 120 WEST CHAPIN STREET CADILLAC MI 49601 616-775-3960 (PHONE) 616-775-1511 (FAX)	<u>JACKSON OFFICE</u> 301 E LOUIS GLICK HIGHWAY JACKSON MI 49201 517-780-7900 (PHONE) 517-780-7855 (FAX)	<u>SAGINAW BAY OFFICE</u> 503 N EUCLID AVE SUITE 9 BAY CITY MI 48706 517-684-9141 (PHONE) 517-684-9799 (FAX)
<u>GAYLORD OFFICE</u> P0 BOX 667 GAYLORD MI 49735 517-732-3541 (PHONE) 517-732-0794 (FAX)	<u>MARQUETTE OFFICE</u> 1990 US 41 SOUTH MARQUETTE MI 49855 906-228-6561 (PHONE) 906-228-5245 (FAX)	<u>SHIAWASSEE OFFICE</u> 10650 BENNETT DR MORRICE MI 48857-9792 517-625-4600 (PHONE) 517-625-5000 (FAX)
<u>GRAND RAPIDS OFFICE</u> 350 OTTAWA ST NW GRAND RAPIDS MI 49503 616-456-5071 (PHONE) 616-456-1239 (FAX)	<u>PLAINWELL OFFICE</u> 1342 SR-89 SUITE B PLAINWELL MI 49080-1915 616-692-2120 (PHONE) 616-692-3050 (FAX)	<u>SE MICHIGAN OFFICE</u> 38980 SEVEN MILE RD LIVONIA MI 48152 313-953-0241 (PHONE) 313-953-0243 (FAX)
<u>GRAYLING OFFICE</u> 1955 NORTH I-75 BL GRAYLING MI 49738 517-348-6371 (PHONE) 517-348-8825 (FAX)		

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
INITIAL ASSESSMENT REPORT (Continued)**

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**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
INITIAL ASSESSMENT REPORT (Continued)
LIST OF ATTACHMENTS**

(Include as Required and Check Box if Attached)

Attachments 1, 2, 3, 4, 5, 9, 10 11, 12, 13, 14, 15, 16, 20, 21, 22, 23, 27, 28, and 29 are to be submitted if applicable.

Attachments 6, 7, 8, 17, 18, 19, 24, 25, and 26 are found in the back of this document and should be completed and submitted when necessary.

ATTACHMENT NUMBER	DESCRIPTION
------------------------------	--------------------

- | | |
|---|---|
| 1. ☐ | Site Map Showing Extent of Remaining Free Product |
| 2. ☐ | Free Product Recovery System Schematic |
| 3. ☒ | Area Map Showing Site Boundaries in Relation to Nearby Area |
| 4. ☒ | Site Map Highlighting Principal Physical Features and Sampling Locations |
| 5. ☐ | Schedule for Delineation of Off-Site Soil Impacts |
| 6. ☒ | Field Screening Results Table for Soils |
| 7. ☒ | Laboratory Results Table for Soils |
| 8. ☒ | Tier I RBSL / Tier II SSTL Comparison Table for Soils |
| 9. ☒ | Site Map Showing Soil Sampling Locations, Maximum Contaminant Concentrations, and Sampling Depths |
| 10. ☐ | Site Map(s) Showing Vertical and Horizontal Distribution of Contaminants in Soil |
| 11. ☐ | Cross Sections Showing the Vertical and Horizontal Distribution of Soil Contaminants |
| 12. ☒ | Soil Boring Logs |
| 13. ☐ | Well Construction Diagrams |
| 14. ☐ | Groundwater Flow Map Showing Water Level Measurement Locations |
| 15. ☐ | Description of Hydrogeologic Factors That Could Influence Groundwater Flow |
| 16. ☐ | Schedule for Delineation of Off-Site Groundwater Impacts |
| 17. ☐ | Field Screening Results Table for Groundwater |
| 18. ☐ | Laboratory Results Table for Groundwater (Including Time Series Presentation) |
| 19. ☐ | Tier I RBSL / Tier II SSTL Comparison Table for Groundwater |
| 20. ☐ | Site Map Showing Groundwater Sampling Locations and Maximum Contaminant Concentrations |
| 21. ☐ | Cross Sections Showing the Vertical and Horizontal Distribution of Groundwater Contaminants |
| 22. ☐ | Presentation of Time Series Groundwater Results |
| 23. ☐ | Schedule for Delineation of Off-Site Impacts in Other Media |
| 24. ☐ | Field Screening Results Tables for Other Media |
| 25. ☐ | Laboratory Results Tables for Other Media |
| 26. ☐ | Tier I RBSL / Tier II SSTL Comparison Tables for Other Media |
| 27. ☐ | Site Map Showing Sampling Locations and Maximum Contaminant Concentrations for Other Media |
| 28. ☐ | Calculations Supporting the Tier II SSTLs and Evaluation |
| 29. ☐ | Work Plan for Further Site Characterization and Assessment Activity |

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INITIAL ASSESSMENT REPORT (Continued)

1.0 **IMMEDIATE RESPONSE TO SPILLS AND RELEASES**

1.1 **REPORTING AND RESPONSE TO RELEASES**

A. Date and Time Release Discovered: 11 / 01 / 96 _____ AM / PM

B. Date and Time Release Reported: 11 / 01 / 96 5:45 PM

C. From what portion of the underground storage tank system did the release occur or is the release believed to have likely occurred?

☐ Piping

☒ Underground storage tank

☐ Overfill of underground storage tank (delivery of fuel from supplier)

☐ Other (Specify): _____

D. Briefly describe how the release was discovered: **Site investigation involving soil sampling and analysis for BTEX, PNAs, PCBs, cadmium, chromium and lead.**

E. Has there been tank tightness testing performed in response to this release? (If data is not available, answer "No".) ☐ Yes ☒ No

If "Yes", complete questions F, G and H; otherwise skip to question I.

F. Date of the testing: _____ / _____ / _____

G. Method of testing: _____

H. Results of the testing: _____

I. List the underground storage tanks at this facility and identify the tank(s) associated with this release by placing an "X" in the "LUST" column. (Complete the last two columns for the LUST entries only):

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INITIAL ASSESSMENT REPORT (Continued)

1.1 REPORTING AND RESPONSE TO RELEASES (Continued)

TANK ID NUMBER	CONTENTS (Regulated Substances) - Specify grade if gasoline -		LUST?	HAS THE TANK BEEN EMPTIED?	HAS THE TANK BEEN REMOVED?
(As Registered)	At Time of Release	Previous Contents	(Yes or No)	(Yes/Date or No See J below)	(Yes/Date or No See J below)
Unknown	Gasoline and/or waste oil	Unknown	Yes	Yes/unknown	Yes/unknown

J. If "No" was specified in either of the last two columns for any leaking underground storage tank, provide an explanation below: _____

K. What initial response actions were performed at this site?

PURPOSE OF INITIAL RESPONSE ACTIONS	WERE ACTIONS TAKEN? (Yes/Date or No)	IF "Yes", DESCRIBE THE ACTIONS TAKEN AND THEIR RESULTS. IF "No", INDICATE WHY NOT.
To identify and mitigate fire, explosion and vapor hazards (e.g., relating to free product, vapors in nearby buildings) [324.21307(2)(a)] [324.21307(2)(c)(iii)]	No	USTs were removed at a previous unknown date. Site investigation undertaken to determine if impacted soil and/or water was present and to delineate impacted areas if possible.
To prevent further release and migration into the soil or groundwater, including removing product from the UST [324.21307(2)(b)] [324.21307(2)(c)(i) and (ii)]	No	USTs were removed at a previous unknown date. Site investigation undertaken to determine if impacted soil and/or water was present and to delineate impacted areas if possible.
To excavate and contain, treat, or dispose of visibly contaminated soil above the water table that are likely to cause a fire hazard or spread and increase the cost of corrective action [324.21307(2)(d)]	No	USTs were removed at a previous unknown date. Site investigation undertaken to determine if impacted soil and/or water was present and to delineate impacted areas if possible.

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INITIAL ASSESSMENT REPORT (Continued)

1.1 REPORTING AND RESPONSE TO RELEASES (Continued)

PURPOSE OF INITIAL RESPONSE ACTIONS	WERE ACTIONS TAKEN? (Yes/Date or No)	IF "Yes", DESCRIBE THE ACTIONS TAKEN AND THEIR RESULTS. IF "No", INDICATE WHY NOT.
To abate an immediate threat to public health, safety, or welfare, or the environment [324.21307(2)(e)]	No	USTs were removed at a previous unknown date. Site investigation undertaken to determine if impacted soil and/or water was present and to delineate impacted areas if possible.

L. Has free product ever been discovered as a result of the release? ☐ Yes ☒ No

NOTE: If "No", skip to Section 2.0; if "Yes", complete questions "M" through "S":

M. Date and Time Free Product Was Discovered: _____ / _____ / _____ AM / PM

N. Date and Time Free Product Fax

Transmittal Sheet Submitted: _____ / _____ / _____ AM / PM

O. Has there ever been free product in the on-site or off-site soils? ☐ Yes ☐ No

P. Is there currently free product in the on-site or off-site soils? ☐ Yes ☐ No

Q. Is there currently free product in or around buried underground utilities? ☐ Yes ☐ No

R. Has there ever been free product on/in the groundwater? ☐ Yes ☐ No

S. Is there currently free product on/in the groundwater? ☐ Yes ☐ No

1.2 REPORTING AND RESPONSE TO RELEASES INVOLVING FREE PRODUCT

A. What initial response actions were performed at this site to address the presence of free product?

PURPOSE OF INITIAL RESPONSE ACTIONS	WERE ACTIONS TAKEN? (Yes/Date or No)	IF "Yes", DESCRIBE THE ACTIONS TAKEN AND THEIR RESULTS. IF "No", INDICATE WHY NOT.
To identify the presence of free product [324.21307(2)(c)]		
To recover free product in a manner that minimizes the spread of contamination into previously uncontaminated zones [324.21307(2)(c)(i)]		
To utilize recovery and disposal techniques appropriate to site conditions [324.21307(2)(c)(i)]		

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
INITIAL ASSESSMENT REPORT (Continued)
REPORTING AND RESPONSE TO RELEASES INVOLVING FREE PRODUCT (Continued)

PURPOSE OF INITIAL RESPONSE ACTIONS	WERE ACTIONS TAKEN? (Yes/Date or No)	IF "Yes", DESCRIBE THE ACTIONS TAKEN AND THEIR RESULTS. IF "No", INDICATE WHY NOT.
To properly treat recovery by-products as required by law (identify the type of treatment applied and the expected effluent quality) [324.21307(2)(c)(i)]		
To properly discharge recovery by-products as required by law (identify the location of all on-site and off-site discharge points and all steps taken to obtain necessary permit) [324.21307(2)(c)(iv)]		
To properly dispose of recovery by-products as required by law [324.21307(2)(c)(i)]		
To handle any flammable products in a safe and competent manner to prevent fires and explosions [324.21307(2)(c)(iii)]		

B. Complete the following table relating to free product recovery:

LOCATION OF OBSERVED FREE PRODUCT (Specify ID No.)	THICKNESS OF FREE PRODUCT OBSERVED (nearest 1/8")	TYPE OF FREE PRODUCT OBSERVED	LNAPL OR DNAPL*?	QUANTITY OF FREE PRODUCT RECOVERED (gallons)
IN WELLS				
IN BOREHOLES				
IN EXCAVATIONS				
OTHER LOCATIONS (Specify)				
TOTAL FREE PRODUCT RECOVERED TO DATE				

*LNAPL = Light Non-Aqueous Phase Liquid; DNAPL = Dense Non-Aqueous Phase Liquid

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INITIAL ASSESSMENT REPORT (Continued)

REPORTING AND RESPONSE TO RELEASES INVOLVING FREE PRODUCT (Continued)

C. Has the extent of any remaining free product been defined? ☐ Yes ☐ No

D. If "Yes", include the extent of the remaining free product on the site map included as Attachment 1.

E. Describe the free product recovery system that was or is being used ☐ or is proposed ☐ (Include a schematic as Attachment 2 if appropriate): _____

F. If "proposed", what is the planned installation date? _____/_____/_____

G. Has the recovered free product been properly disposed? ☐ Yes ☐ No

H. If "No", provide an explanation: _____

I. Provide the name of the person or persons responsible for implementing the free product removal measures:

Company Name _____

Company Address _____

Company Telephone No. ____ (____) _____

Contact Person _____

Contact Telephone No. ____ (____) _____

2.0 SITE CHARACTERIZATION INFORMATION

2.1 SITE AND AREA MAPS

A. Attach an area map (Attachment 3) and a site map (Attachment No. 4), drawn to scale, which include the following if applicable. (If it is not possible to include all required information on one map, additional maps may be used. Use of multiple maps should be minimized.)

- Site boundaries in relation to the surrounding area and the nearest major roads (area map)
- Location of each underground storage tank and associated piping in the leaking underground storage tank system (prior to excavation if tanks have been removed)
- Location of the release and the component of the underground storage tank system from which the release occurred
- Location of any other existing and former underground storage tanks at the site
- Approximate location of fill ports, dispensers, and other pertinent system component
- Location of nearby buildings, roadways, paved areas, or other structures
- Location of nearby surface waters or wetlands
- Location and possible depth of nearby underground sewers and utility lines
- Location of all wells on-site and off-site within 100 feet of the property line
- Soil, groundwater, surface water, sediment or air sample locations, as applicable

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
INITIAL ASSESSMENT REPORT (Continued)

2.2 SOIL CONDITIONS AND CHARACTERISTICS

A. Is soil contamination present?

☒ Yes ☐ No

If "Yes", complete this Section; if "No", skip to Section 2.3.

B. Total volume of soil remediated or disposed to date: 0 yds³

C. Describe any soil remediation or disposal activities performed to date: None

D. Describe steps that have been taken, or will be taken, to secure access to off-site properties, including easements and right-of-ways, to complete the delineation of the extent of the off-site impact of the release to soil:

STEPS TAKEN OR PLANNED TO SECURE ACCESS TO OFF-SITE PROPERTIES	OFF-SITE PROPERTY OWNER'S NAME	OFF-SITE PROPERTY OWNER'S ADDRESS
None		

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INITIAL ASSESSMENT REPORT (Continued)

2.2 SOIL CONDITIONS AND CHARACTERISTICS (Continued)

E. Provide the schedule for completing the delineation of the extent of the off-site impact of the release to soil (*indicate here or include as Attachment No.*

5): _____

F. Attach Field Screening Results (Attachment No. 6) and Laboratory Results (Attachment No. 7) tables showing the results of all soil sampling performed to date for the listed parameters. *(NOTE: The USTD may request copies of the laboratory data sheets, chain-of-custody forms, and all available QA/QC information.)*

G. Provide in the Comparison Table for Soils (Attachment No. 8) the maximum contaminant concentrations detected to date in all soils for each listed parameter. *(NOTE: Enter "ND" with the appropriate method detection limit when the parameter was not detected, and enter "NA" when the chemical was not analyzed. In areas where remediation has occurred, do not include sample results for areas where the soil has been subsequently removed or the characteristics of the soil left in place have been altered due to the remediation.)*

H. Show the maximum concentrations, sample depths, and estimated horizontal extent of contamination in relation to the soil sampling locations on the site map included as Attachment No. 9.

I. Describe the estimated vertical extent and distribution of the soil contaminants using depth-coded site maps (Attachment No. 10), cross sections (Attachment No. 11), and/or boring logs (Attachment No. 12):

J. If there is known soil contamination not related to the release, complete the following:

ON-SITE CONTAMINANTS NOT RELATED TO THE RELEASE	SOURCE OF THIS CONTAMINATION (If Known)	LOCATION OF THIS CONTAMINATION

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
INITIAL ASSESSMENT REPORT (Continued)

2.3 GROUNDWATER CONDITIONS AND CHARACTERISTICS

A. Has groundwater been encountered at the site? ☐ Yes ☒ No

B. If "No", provide the total depth investigated and the date of investigation:

Depth of Investigation: 24 ft BGS
Date of Investigation: 10 / 2 / 96 and
10 / 3 / 96

If "No", skip to Section 2.4; if "Yes", continue with Section 2.3.

- C. Is the groundwater potable? ☐ Yes ☐ No
D. Is the groundwater currently a source of drinking water? ☐ Yes ☐ No
E. Is groundwater being used for a purpose other than potable drinking use? ☐ Yes ☐ No
F. Is more than one groundwater unit present beneath the site? ☐ Yes ☐ No
☐ Unknown

Hydrogeologic Characteristics (*if appropriate and where available*):

- G. Average depth to groundwater (as measured in site well(s)): _____ ft BGS
H. Depth to bottom of water-bearing layer: _____ ft BGS
I. Depth to a potable groundwater unit: _____ ft BGS
J. Attach copies of boring logs (Attachment No. 12) and well construction diagrams (Attachment No. 13) for all monitoring wells.

Groundwater Flow Rate and Direction:

- K. Predominant soil type in water-bearing stratum (*e.g., sand, silt*): _____
L. Effective porosity of water-bearing stratum: _____ cm³ void/cm³ soil
M. Hydraulic conductivity (☐ measured ☐ estimated): _____ cm/sec
N. Lateral hydraulic flow gradient (attach a site map with groundwater flow direction and elevation data as Attachment No. 14 - USGS datum preferred): _____ ft/ft
to _____ (direction)
O. Effective groundwater flow rate: _____ ft/yr
P. Identify hydrogeologic conditions that could influence flow direction (*describe here or attach description as Attachment No. 15*): _____

Q. Is there any indication of a vertical flow gradient? ☐ Yes ☐ No

R. If "Yes", describe: _____

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INITIAL ASSESSMENT REPORT (Continued)

2.3 GROUNDWATER CONDITIONS AND CHARACTERISTICS (Continued)

S. Has the groundwater quality been affected by the release? ☐ Yes ☐ No

If "No", skip to Section 2.4; if "Yes", continue with Section 2.3.

T. Has the groundwater quality in more than one groundwater unit been affected by the release?
☐ Yes ☐ No

U. Describe any groundwater remediation activities performed to date: _____

V. Total volume of groundwater remediated to date: _____ gallons

W. Does the known plume currently extend off-site? ☐ Yes ☐ No
☐ Unknown

X. Describe steps that have been taken, or will be taken, to secure access to off-site properties, including easements and right-of-ways, for the purpose of completing the delineation of the extent of the release to groundwater:

STEPS TAKEN OR PLANNED TO SECURE ACCESS TO OFF-SITE PROPERTIES	OFF-SITE PROPERTY OWNER'S NAME	OFF-SITE PROPERTY OWNER'S ADDRESS

Y. Provide the schedule for completing the delineation of the extent of the off-site impact of the release to groundwater (*indicate here or include as Attachment No. 16*): _____

Z. Attach Field Screening Results (Attachment No. 17) and Laboratory Results (Attachment No. 18) tables showing the results of all groundwater sampling performed to date for the listed parameters. (NOTE: The USTD may request copies of the laboratory data sheets, chain-of-custody forms, and all available QA/QC information.)

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
INITIAL ASSESSMENT REPORT (Continued)

2.3 GROUNDWATER CONDITIONS AND CHARACTERISTICS

AA. Provide in the Comparison Table for Groundwater (Attachment No. 19) the maximum contaminant concentrations detected to date in the on-site or off-site groundwater for each listed parameter. *(NOTE: Enter "ND" with the appropriate method detection limit when the parameter was not detected, and enter "NA" when the chemical was not analyzed.)*

BB. Show the maximum concentrations and the estimated aerial horizontal extent of the contaminated plume in relation to the groundwater sampling locations on the site map and include as Attachment No. 20.

CC. Describe the estimated vertical extent and distribution of the groundwater contaminants using depth-coded cross sections (Attachment No. 21) that show screened intervals of the monitoring wells. Cross sections locations should be included on the site map: _____

DD. Were multiple groundwater sampling events conducted at the site? ☐ Yes ☐ No

EE. If "Yes", include a chronological summary of the results for each sampling location using the data tables provided in Attachment No. 18 and include as Attachment No. 22.

2.4 CONDITIONS AND CHARACTERISTICS IN OTHER ENVIRONMENTAL MEDIA

A. Is contamination present in any environmental media other than soil or groundwater? ☐ Yes ☒ No

NOTE: If "Yes", complete this Section; if "No", skip to Section 3.0.

B. What other environmental media were investigated as part of this corrective action?
(Check all that apply):

- ☐ Air
- ☐ Surface Water
- ☐ Sediments
- ☐ Biota
- ☐ Other (*Specify*): _____

NOTE: For each environmental media checked, answer questions "C" through "K".

C. Total volume of each of the other specified media remediated or disposed to date (*Specify units*): _____

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INITIAL ASSESSMENT REPORT (Continued)

CONDITIONS AND CHARACTERISTICS IN OTHER ENVIRONMENTAL MEDIA (Continued)

D. Describe any remediation, treatment or disposal activities performed to date relative to each of the other specified media: _____

E. Describe steps that have been taken, or will be taken, to secure access to off-site properties, including easements and right-of-ways, to complete the delineation of the extent of the off-site impact of the release to the other specified environmental media:

STEPS TAKEN OR PLANNED TO SECURE ACCESS TO OFF-SITE PROPERTIES	OFF-SITE PROPERTY OWNER'S NAME	OFF-SITE PROPERTY OWNER'S ADDRESS

F. Provide the schedule for completing the delineation of the extent of the off-site impact of the release to the other specified environmental media (*indicate here or include as Attachment No. 23*):

G. Attach Field Screening Results (Attachment No. 24) and Laboratory Results (Attachment No. 25) tables showing the results of all sampling performed to date for the listed parameters in the other specified environmental media. *(NOTE: The USTED may request copies of the laboratory data sheets, chain-of-custody forms, and all available QA/QC information.)*

H. Provide in the Comparison Table for Other Environmental Media (Attachment No. 26) the maximum contaminant concentrations detected to date in each other specified environmental media for each listed parameter. *(NOTE: Enter "ND" with the appropriate method detection limit when the parameter was not detected, and enter "NA" when the chemical was not analyzed. In areas where remediation has occurred, do not include sample results for areas where the material has been subsequently removed or the characteristics of the material left in place have been altered due to the remediation.)*

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
INITIAL ASSESSMENT REPORT (Continued)

CONDITIONS AND CHARACTERISTICS IN OTHER ENVIRONMENTAL MEDIA (Continued)

I. Show the maximum concentrations, sample depths, and estimated extent of contamination in the other specified environmental media (*as appropriate*) in relation to the sampling locations on the site map included as Attachment No. 27.

J. Describe the extent and distribution of the contaminants in the other specified media: _____

K. If there is known contamination in the other specified media not related to the release, complete the following:

ON-SITE CONTAMINANTS NOT RELATED TO THE RELEASE	SOURCE OF THIS CONTAMINATION (If Known)	LOCATION OF THIS CONTAMINATION

3.0 SITE CLASSIFICATION

A. Indicate the current Site Classification Level (*See Attachment No. 10 of the "Guidance Document for Risk-Based Corrective Action at Leaking Underground Storage Tanks"*):

- ☐ Class 1: Immediate threat to human health, safety, or sensitive environmental receptors
- ☐ Class 2: Short-term threat to human health, safety, or sensitive environmental receptors
- ☐ Class 3: Long-term threat to human health, safety, or sensitive environmental receptors
- ☒ Class 4: No demonstrable long-term threat to human health, safety, or sensitive environmental receptors

NOTE: Regardless of the classification level, all reports must be submitted within the legislative time frame unless an alternate schedule is approved in writing by the USTD.

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
INITIAL ASSESSMENT REPORT (Continued)

3.0 SITE CLASSIFICATION (Continued)

B. If "Class 1" is checked above, complete the following table using the instructions contained in the heading as it applies to each of the conditions or scenarios described:

CHECK BOX IF CONDITION IS CURRENTLY PRESENT	DATE OF CLASSIFICATION
IDENTIFY THE EVIDENCE USED TO CONFIRM THAT THE CONDITION IS OR IS NOT PRESENT AND, IF PRESENT, DESCRIBE ALL ACTIONS THAT ARE CURRENTLY BEING PERFORMED TO MITIGATE THE CONDITION	
☐ Explosive levels or concentrations of vapors that could cause acute health effects are present in a residence or facility	/ /
☐ Explosive levels of vapors are present in subsurface utility system(s), but no building or residences are impacted	/ /
☐ Free product is present	/ /
☐ An active public or private water supply well, public water supply line, or public surface water intake is impacted or immediately threatened	/ /
☐ Ambient vapor/particulate concentrations exceed concentrations of concern from an acute exposure, or safety viewpoint	/ /
☐ Sensitive habitat or sensitive resources (sport fish, economically important species, threatened and endangered species, surface water, wetlands, etc.) are impacted and affected	/ /

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INITIAL ASSESSMENT REPORT (Continued)

3.0 SITE CLASSIFICATION (Continued)

C. If "Class 2", "Class 3", or "Class 4" is checked above, complete the following table with respect to the current site classification level using the criteria and prescribed scenarios presented in Attachment No. 10 of the "Guidance Document for Risk-Based Corrective Action at Leaking Underground Storage Tanks":

IDENTIFY THE CURRENT CONDITION(S) THAT LED TO THE CLASSIFICATION	IDENTIFY THE PRESCRIBED INITIAL RESPONSE ACTION AND THE DATE THE ACTION WAS IMPLEMENTED
High PID readings observed during soil boring activities at SB010, SB011, and SB012 but no parameter exceeds residential criteria.	None

4.0 RESULTS OF THE TIER I OR TIER II EVALUATION

4.1 EXPOSURE PATHWAY CHARACTERIZATION

A. Check all that apply to this site:

Potential Source(s)

- ☒ Impacted Soils
- ☐ Dissolved Groundwater Plume
- ☐ Free Phase Liquid Plume
- ☐ Impacted Sediments or Surface Water
- ☐ Other (*Specify*): _____

Potential Transport Mechanism(s)

- ☐ Wind Erosion and Atmospheric Dispersion
- ☐ Volatilization and Atmospheric Dispersion
- ☐ Volatilization and Enclosed-Space Accumulation
- ☒ Leaching and Groundwater Transport
- ☐ Mobile Free-Liquid Migration
- ☐ Stormwater/Surface Water Transport
- ☐ Utility Corridors
- ☐ Other (*Specify*): _____

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INITIAL ASSESSMENT REPORT (Continued)

3.0 EXPOSURE PATHWAY CHARACTERIZATION (Continued)

Potential Exposure Routes(s)

- ☐ Soil Ingestion
- ☒ Direct Contact of Soil with Skin
- ☒ Inhalation of Airborne Particulates
- ☐ Inhalation of Volatiles
- ☒ Potable Water Use
- ☐ Use of Non-Potable Water
- ☐ Other (Specify): _____

Potential Receptor(s)

- ☒ Resident
- ☐ Commercial Worker III*
- ☐ Commercial Worker IV*
- ☐ Industrial Worker
- ☒ Construction Worker
- ☐ Sensitive Habitat
- ☐ Structures
- ☐ Utilities
- ☐ Surface Waters
- ☒ Water Supply Wells
- ☐ Other (Specify): _____

* As defined in Attachment No. 11 to the "Guidance Document for Risk-Based Corrective Action at Leaking Underground Storage Tanks"

NOTE: A pathway must include three necessary elements:

- 1) a source (e.g., contamination);
- 2) a mechanism by which the contamination can become available to result in exposures at the source or via migration to other locations (e.g., free product and contaminated groundwater movement along a buried utility corridor); and
- 3) an individual who may come into contact, ingest, or inhale the contamination at the point of exposure (e.g., a utility maintenance worker digging to repair the line).

Examples of a complete pathway include:

1. inhalation of impacted soils by an on-site construction worker
2. impacted soils leaching into potable ground water and being used by a nearby resident for drinking and bathing
3. inhalation of vapors resulting from the migration of free product by a neighboring industrial worker
4. impacted groundwater discharging to wetlands

B. List the most plausible potential residential exposure pathway(s) for the site: _____

Impacted soil leaching to potable ground water supply and potable water then being used by residents for drinking and bathing.

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
INITIAL ASSESSMENT REPORT (Continued)

4.1 EXPOSURE PATHWAY CHARACTERIZATION (Continued)

C. List the most plausible potential commercial exposure pathway(s) for the site: None

D. List the most plausible potential industrial exposure pathway(s) for the site: Inhalation of impacted soil by on-site construction worker.

E. List the most plausible potential sensitive habitat exposure pathway(s) for the site: None

4.2 OPTIONAL TIER II EVALUATION

A. Has a site-specific Tier II evaluation been conducted for this Initial Assessment Report?

☐ Yes ☒ No

B. If "Yes", identify and justify where alternate assumptions or site-specific information was used in place of the default assumptions as defined in Attachment No. 11 of "Guidance Document For Risk-Based Corrective Action At Leaking Underground Storage Tanks":

ASSUMPTION	DEFAULT USTD TIER I SELECTION	ALTERNATE SELECTION	JUSTIFICATION OR BASIS FOR SUBSTITUTION <i>(Attach sheets if needed)</i>

C. Include the calculations supporting the development of Tier II SSTLs as Attachment No. 28.

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
INITIAL ASSESSMENT REPORT (Continued)

4.3 IDENTIFICATION OF TIER I RISK-BASED SCREENING LEVELS OR TIER II SITE-SPECIFIC TARGET LEVELS AND COMPARISON TO SITE DATA

- A. For each contaminated medium, complete a Tier I RBSL / Tier II SSTL Comparison Table (Attachment No. 8 for soil, Attachment No. 19 for groundwater or Attachment No. 26 for other media, as appropriate) by:

Checking the box associated with the applicable land use scenario;

Checking the boxes associated with the contaminants currently present at the site;

Entering the current maximum detected on-site or off-site concentration for each selected contaminant, along with the corresponding sample identification number and date of sampling;

Entering the lowest applicable RBSL value for soil or groundwater from the Tier I Look-Up Tables (*refer to Attachment No. 11 of the "Guidance Document For Risk-Based Corrective Action At Leaking Underground Storage Tanks"*) for the specific exposure routes present and environmental medium being considered or a corresponding optional Tier II SSTL. [NOTE: Include the exposure route code that identifies the basis for each applicable criterion noted. For example, 12 ug/kg (A) for a cleanup goal based on the direct contact with soil exposure route, and 12 ug/kg (B) for a cleanup goal based on the soil leaching to groundwater exposure route];

Comparing the contaminant-specific maximum concentration to the corresponding RBSL or SSTL criterion; and Identifying and recording whether or not there is an exceedence of the RBSL or the SSTL.

- B. Tier I RBSL / Tier II SSTL Comparison Tables are attached for the following: (*Check all that apply*)

LAND USE	ENVIRONMENTAL MEDIUM		
	SOIL	GROUNDWATER	OTHER (Specify)
Residential	☒	☐	
Commercial III	☐	☐	
Commercial IV	☐	☐	
Industrial	☐	☐	

4.4 PROPOSED FOLLOW-UP ACTIVITIES

- A. Based on the results of the Tier I or optional Tier II evaluation, indicate the follow-up activities proposed for the site:

☐ Site conditions do not exceed Tier I RBSLs or Tier II SSTLs	Proceed with site closure
☒ Site conditions exceed some or all Tier I RBSLs or Tier II SSTLs	Propose interim corrective action and subsequent reevaluation of the site (Complete Section 5.0)
☐ Site conditions exceed some or all Tier I RBSLs or Tier II SSTLs	Propose final corrective action to achieve Tier I RBSLs or Tier II SSTLs (Complete Section 5.0)
☐ Site conditions exceed some or all Tier I RBSLs or Tier II SSTLs	Perform further site-specific Tier II or Tier III evaluation to establish alternative SSTLs that meet the target risk goals (Complete Section 5.0)

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
INITIAL ASSESSMENT REPORT (Continued)

4.4 PROPOSED FOLLOW-UP ACTIVITIES (Continued)

B. Provide justification for the option chosen (*attach additional sheets, if needed*):

Although all soil samples submitted for laboratory analysis had analyte concentrations for BTEX, PNAs, PCBs, cadmium, chromium, and lead below Tier I residential criteria, high PID readings were observed in SB010, SB011, and SB012 for which no soil samples were submitted for laboratory analysis. Further sampling is needed to obtain full site characterization.

5.0 WORK PLAN FOR FURTHER SITE CHARACTERIZATION AND ASSESSMENT ACTIVITY

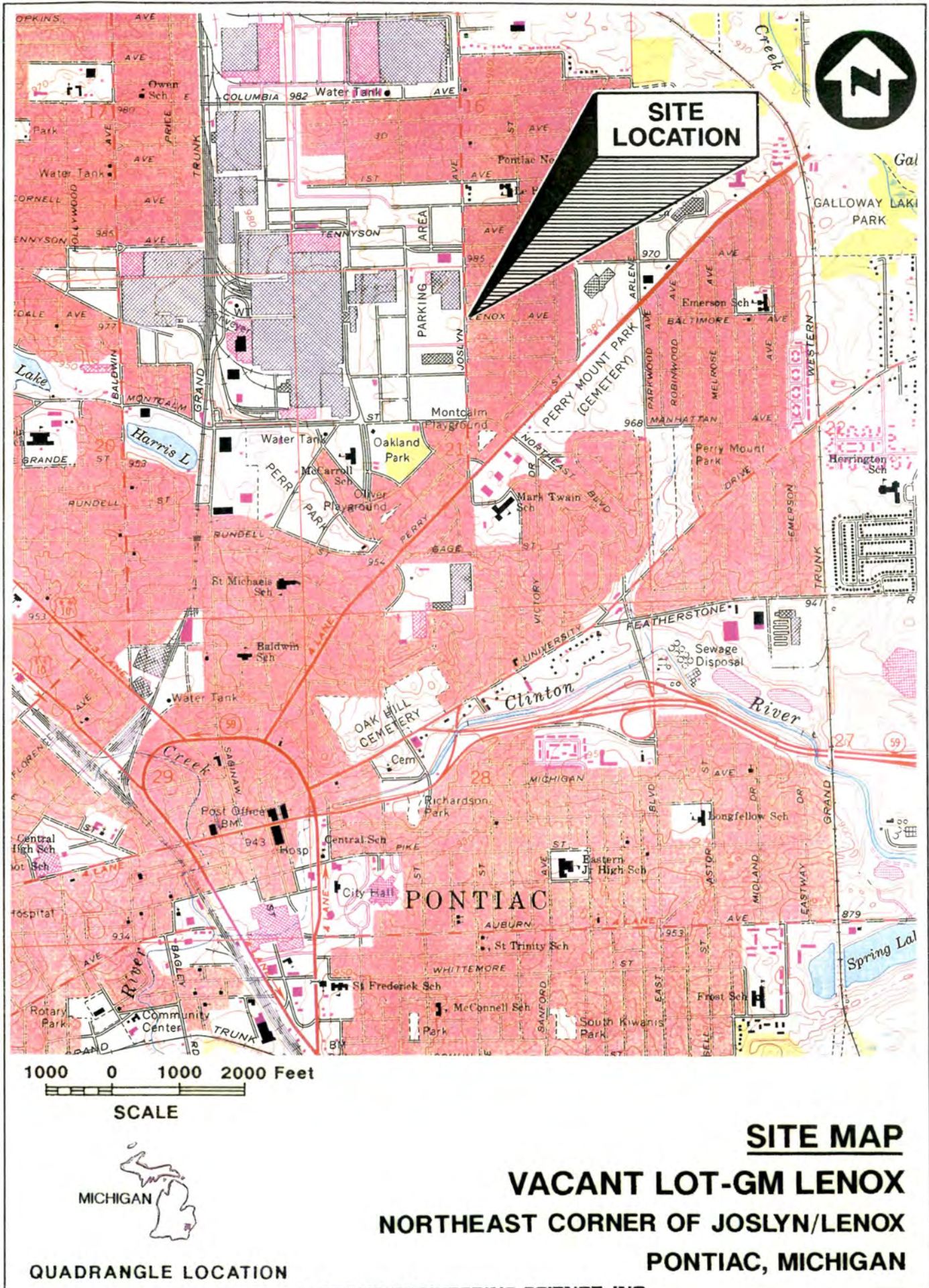
If an interim or final corrective action or a further Tier II evaluation is proposed, additional on-site or off-site characterization work may be required to obtain the information needed to establish alternate protective clean-up levels or to select and implement a cost-effective corrective action program. In these cases, a Work Plan must be developed to describe the proposed additional site characterization activities.

A. Provide a brief Work Plan and implementation schedule (Attachment No. 29) that describes the proposed site characterization activities to be performed to determine the horizontal and vertical extent of contamination, and establish the site conditions needed to prepare a Corrective Action Plan.

The proposed work plan for further site characterization at the GM-Lenox site involves the collection of samples (soil and, if possible, groundwater) from the site perimeter as well as from the suspected zone of highest concentration. It is anticipated that a total of 2-3 borings will enable full characterization of the site.

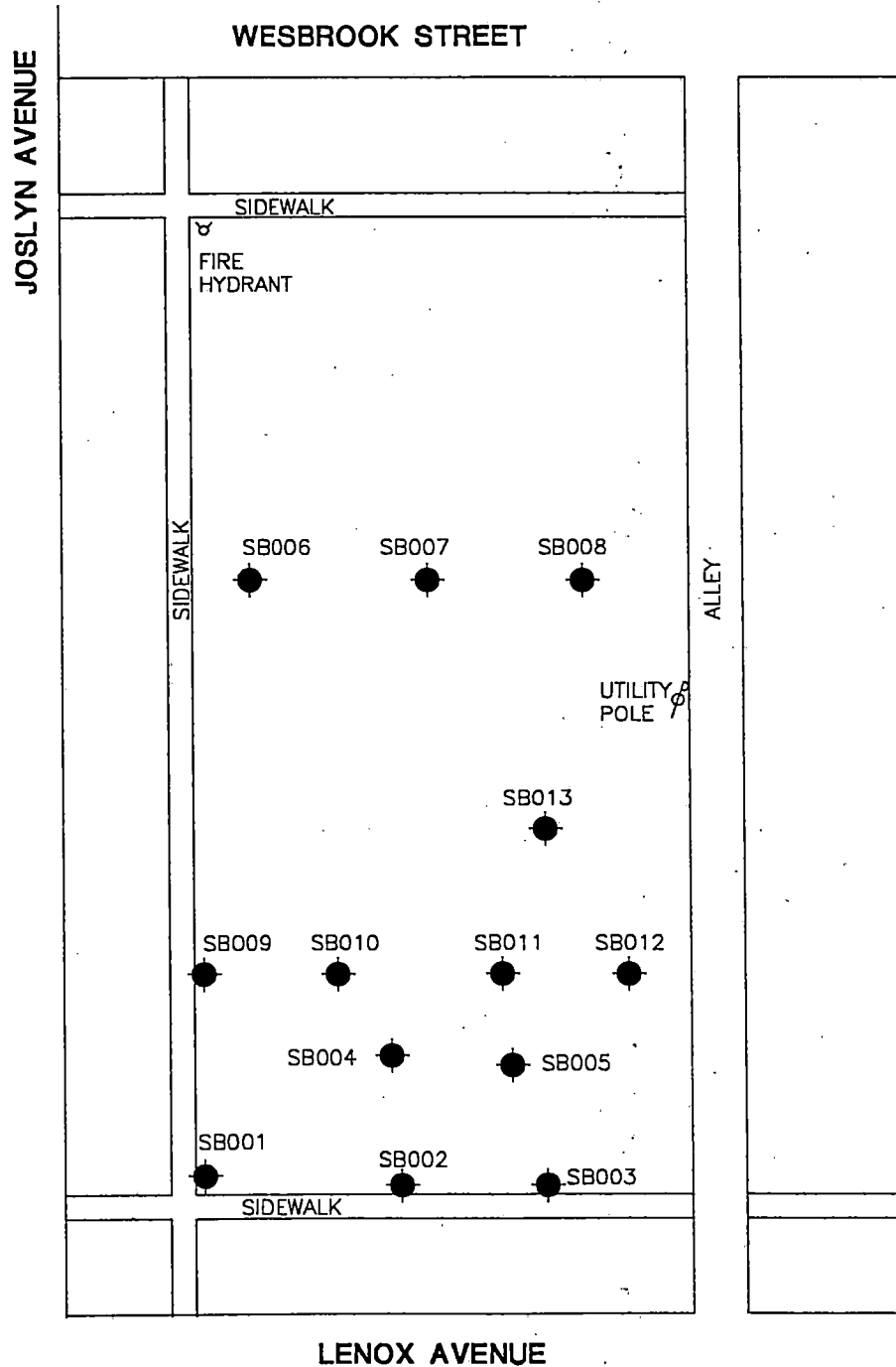
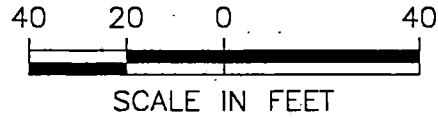
ATTACHMENT 3

SITE MAP



ATTACHMENT 4

AREA MAP



LEGEND:



SOIL BORING

AREA MAP

VACANT LOT-GM LENOX
NORTHEAST CORNER OF JOSLYN/LENOX
PONTIAC, MICHIGAN

ATTACHMENT 6
FIELD SCREENING RESULTS - SOIL

ATTACHMENT NO. 6
FIELD SCREENING RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)
FACILITY ID NUMBER 5-001946

1

ATTACHMENT NO. 6
FIELD SCREENING RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)
FACILITY ID NUMBER 5-001946

2

ATTACHMENT NO. 6
FIELD SCREENING RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)

FIELD SCREENING RESULTS - SOIL

FACILITY NAME Vacant Lot (GM-Lenox)

FACILITY ID NUMBER 5-001946

3

ATTACHMENT NO. 6
FIELD SCREENING RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)

FIELD SCREENING RESULTS - SOIL

FACILITY NAME Vacant Lot (GM-Lenox)

FACILITY ID NUMBER 5-001946

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydromunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

ATTACHMENT NO. 6
FIELD SCREENING RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)

FIELD SCREENING RESULTS - SOIL

FACILITY NAME Vacant Lot (GM-Lenox)

FACILITY ID NUMBER 5-001946

BGS = Below Ground Surface

* Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) If Other (OT), specify here: _____

5

ATTACHMENT NO. 6
FIELD SCREENING RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)

[illegible]

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:*

6

ATTACHMENT NO. 6
FIELD SCREENING RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)
FACILITY ID NUMBER 5-001946

7

ATTACHMENT NO. 6
FIELD SCREENING RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)
FACILITY ID NUMBER 5-001946

** List additional contaminants as appropriate*

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

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ATTACHMENT 7
LABORATORY RESULTS - SOIL

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)**

ATTACHMENT NO. 7

LABORATORY RESULTS-SOIL

FACILITY NAME Vacant Lot (GM-Lenox)

FACILITY ID NUMBER 5-001946

VOLATILES										
Sample ID	SB001		SB001		SB002		SB002		SB003	
Sample Depth (feet BGS)	6-8		10-12		10-12		13-15		14-16	
Date Collected	10/02/96		10/02/96		10/02/96		10/02/96		10/02/96	
Date Extracted	10/08/96		10/10/96		10/10/96		10/10/96		10/09/96	
Date Analyzed	10/08/96		10/10/96		10/10/96		10/10/96		10/09/96	
Analytical Method No.	8020		8020		8020		8020		8020	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Benzene	<5.7	5.7	<5.4	5.4	<5.6	5.6	19	5.6	<5.4	5.4
☒ Toluene	<5.7	5.7	<5.4	5.4	<5.6	5.6	6.0	5.6	<5.4	5.4
☒ Ethylbenzene	<5.7	5.7	<5.4	5.4	<5.6	5.6	37	5.6	<5.4	5.4
☒ Total Xylenes	<17	17	<16	16	<17	17	46	17	<16	16
☐ MTBE										
POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB001		SB001		SB002		SB002		SB003	
Sample Depth (feet BGS)	6-8		10-12		10-12		13-15		14-16	
Date Collected	10/02/96		10/02/96		10/02/96		10/02/96		10/02/96	
Date Extracted	10/13/96		10/13/96		10/13/96		10/13/96		10/13/96	
Date Analyzed	10/22/96		10/22/96		10/22/96		10/22/96		10/22/96	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Acenaphthene	<190	190	<180	180	<180	180	<180	180	<180	180
☒ Acenaphthylene	<190	190	<180	180	<180	180	<180	180	<180	180
☒ Anthracene	<190	190	<180	180	<180	180	<180	180	<180	180
☒ Benzo(a)anthracene	<190	190	<180	180	<180	180	<180	180	<180	180
☒ Benzo(a)pyrene	<190	190	<180	180	<180	180	<180	180	<180	180
☒ Benzo(b)fluoranthene	<190	190	<180	180	<180	180	<180	180	<180	180
☒ Benzo(g,h,i)perylene	<190	190	<180	180	<180	180	<180	180	<180	180
☒ Benzo(k)fluoranthene	<190	190	<180	180	<180	180	<180	180	<180	180

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)
ATTACHMENT NO. 7 (CONTINUED)
LABORATORY RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)
FACILITY ID NUMBER 5-001946

POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB001		SB001		SB002		SB002		SB003	
Sample Depth (feet BGS)	6-8		10-12		10-12		13-15		14-16	
Date Collected	10/02/96		10/02/96		10/02/96		10/02/96		10/02/96	
Date Extracted	10/13/96		10/13/96		10/13/96		10/13/96		10/13/96	
Date Analyzed	10/22/96		10/22/96		10/22/96		10/22/96		10/22/96	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Chrysene	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Dibenzo(a,h)anthracene	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Fluoranthene	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Fluorene	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Indeno(1,2,3- cd)pyrene	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ 2-Methylnaphthalene	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Naphthalene	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Phenanthrene	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Pyrene	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
METALS										
Sample ID	SB001		SB001		SB002		SB002		SB003	
Sample Depth (feet BGS)	6-8		10-12		10-12		13-15		14-16	
Date Collected	10/02/96		10/02/96		10/02/96		10/02/96		10/02/96	
Date Extracted	10/09/96		10/09/96		10/09/96		10/09/96		10/09/96	
Date Analyzed	10/14; 10/15; 10/15/96		10/14; 10/15; 10/15/96		10/14; 10/15; 10/15/96		10/14; 10/15; 10/15/96		10/14; 10/15; 10/15/96	
Analytical Method No.	7131; 6010A; 6010A		7131; 6010A; 6010A		7131; 6010A; 6010A		7131; 6010A; 6010A		7131; 6010A; 6010A	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Cadmium	114	57.3	100	54.5	104	55.7	55.9	55.9	81.7	54.5
☐ Chromium III										
☒ Chromium VI	9120	573	14200	545	17200	557	9380	559	11300	545
☒ Total Lead	4580	573	4800	545	9000	557	4980	559	5070	545

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)
 ATTACHMENT NO. 7 (CONTINUED)
 LABORATORY RESULTS - SOIL
 FACILITY NAME Vacant Lot (GM-Lenox)
 FACILITY ID NUMBER 5-001946

PCBs										
Sample ID	SB001		SB001		SB002		SB002		SB003	
Sample Depth (feet BGS)	6-8		10-12		10-12		13-15		14-16	
Date Collected	10/02/96		10/02/96		10/02/96		10/02/96		10/02/96	
Date Extracted	10/09/96		10/09/96		10/09/96		10/09/96		10/09/96	
Date Analyzed	10/14/96		10/14/96		10/14/96		10/14/96		10/15/96	
Analytical Method No.	8080		8080		8080		8080		8080	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Aroclor 1016	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Aroclor 1221	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Aroclor 1232	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Aroclor 1242	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Aroclor 1248	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Aroclor 1254	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
☒ Aroclor 1260	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180
HALOGENATED HYDROCARBONS										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.										
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Carbon Tetrachloride										
☐ 1,1-Dichloroethane										
☐ 1,2-Dichloroethane										
☐ 1,1-Dichloroethylene										

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)**

ATTACHMENT NO. 7

LABORATORY RESULTS-SOIL

FACILITY NAME Vacant Lot (GM-Lenox)

FACILITY ID NUMBER 5-001946

VOLATILES										
Sample ID	SB003		SB004		SB004		SB005		SB005	
Sample Depth (feet BGS)	16-18		6-8		16-18		10-12		12-14	
Date Collected	10/02/96		10/02/96		10/02/96		10/02/96		10/02/96	
Date Extracted	10/08/96		10/09/96		10/08/96		10/08/96		10/10/96	
Date Analyzed	10/08/96		10/09/96		10/08/96		10/08/96		10/10/96	
Analytical Method No.	8020		8020		8020		8020		8020	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Benzene	<5.6	5.6	<5.6	5.6	20	5.7	11	5.6	58	5.7
☒ Toluene	<5.6	5.6	<5.6	5.6	22	5.7	<5.6	5.6	17	5.7
☒ Ethylbenzene	<5.6	5.6	42	5.6	7.4	5.7	43	5.6	60	5.7
☒ Total Xylenes	<17	17	30	17	35	17	76	17	170	17
☐ MTBE										
POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB003		SB004		SB004		SB005		SB005	
Sample Depth (feet BGS)	16-18		6-8		16-18		10-12		12-14	
Date Collected	10/02/96		10/02/96		10/02/96		10/02/96		10/02/96	
Date Extracted	10/13/96		10/13/96		10/13/96		10/13/96		10/13/96	
Date Analyzed	10/22/96		10/22/96		10/22/96		10/22/96		10/22/96	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Acenaphthene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ Acenaphthylene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ Anthracene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ Benzo(a)anthracene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ Benzo(a)pyrene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ Benzo(b)fluoranthene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ Benzo(g,h,i)perylene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ Benzo(k)fluoranthene	<180	180	<180	180	<190	190	<190	190	<190	190

BGS = Below Ground Surface

* Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) If Other (OT), specify here: _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)
ATTACHMENT NO. 7 (CONTINUED)
LABORATORY RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)
FACILITY ID NUMBER 5-001946

POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB003		SB004		SB004		SB005		SB005	
Sample Depth (feet BGS)	16-18		6-8		16-18		10-12		12-14	
Date Collected	10/02/96		10/02/96		10/02/96		10/02/96		10/02/96	
Date Extracted	10/13/96		10/13/96		10/13/96		10/13/96		10/13/96	
Date Analyzed	10/22/96		10/22/96		10/22/96		10/22/96		10/22/96	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Chrysene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ Dibenzo(a,h)anthracene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ Fluoranthene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ Fluorene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ Indeno(1,2,3- cd)pyrene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ 2-Methylnaphthalene	<180	180	<180	180	<190	190	190	190	<190	190
☒ Naphthalene	<180	180	<180	180	<190	190	300	190	<190	190
☒ Phenanthrene	<180	180	<180	180	<190	190	<190	190	<190	190
☒ Pyrene	<180	180	<180	180	<190	190	<190	190	<190	190
METALS										
Sample ID	SB003		SB004		SB004		SB005		SB005	
Sample Depth (feet BGS)	16-18		6-8		16-18		10-12		12-14	
Date Collected	10/02/96		10/02/96		10/02/96		10/02/96		10/02/96	
Date Extracted	10/09/96		10/09/96		10/09/96		10/09/96		10/09/96	
Date Analyzed	10/14; 10/15; 10/15/96		10/14; 10/15; 10/15/96		10/14; 10/15; 10/15/96		10/14; 10/15; 10/15/96		10/14; 10/15; 10/15/96	
Analytical Method No.	7131; 6010A; 6010A		7131; 6010A; 6010A		7131; 6010A; 6010A		7131; 6010A; 6010A		7131; 6010A; 6010A	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Cadmium	234	224	99.5	55.9	81.8	56.8	96.5	56.1	72.6	56.7
☐ Chromium III										
☒ Chromium VI	11800	559	15400	559	10800	568	17700	561	11100	567
☒ Total Lead	4790	559	6030	559	4730	568	6340	561	5030	567

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)
 ATTACHMENT NO. 7 (CONTINUED)
 LABORATORY RESULTS - SOIL
 FACILITY NAME Vacant Lot (GM-Lenox)
 FACILITY ID NUMBER 5-001946

PCBs										
Sample ID	SB003		SB004		SB004		SB005		SB005	
Sample Depth (feet BGS)	16-18		6-8		16-18		10-12		12-14	
Date Collected	10/02/96		10/02/96		10/02/96		10/02/96		10/02/96	
Date Extracted	10/09/96		10/09/96		10/09/96		10/09/96		10/09/96	
Date Analyzed	10/14/96		10/14/96		10/14/96		10/14/96		10/14/96	
Analytical Method No.	8080		8080		8080		8080		8080	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Aroclor 1016	< 180	180	< 180	180	< 190	190	< 190	190	< 190	190
☒ Aroclor 1221	< 180	180	< 180	180	< 190	190	< 190	190	< 190	190
☒ Aroclor 1232	< 180	180	< 180	180	< 190	190	< 190	190	< 190	190
☒ Aroclor 1242	< 180	180	< 180	180	< 190	190	< 190	190	< 190	190
☒ Aroclor 1248	< 180	180	< 180	180	< 190	190	< 190	190	< 190	190
☒ Aroclor 1254	< 180	180	< 180	180	< 190	190	< 190	190	< 190	190
☒ Aroclor 1260	< 180	180	< 180	180	< 190	190	< 190	190	< 190	190
HALOGENATED HYDROCARBONS										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.										
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Carbon Tetrachloride										
☐ 1,1-Dichloroethane										
☐ 1,2-Dichloroethane										
☐ 1,1-Dichloroethylene										

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)
ATTACHMENT NO. 7
LABORATORY RESULTS-SOIL
FACILITY NAME Vacant Lot (GM-Lenox)
FACILITY ID NUMBER 5-001946

VOLATILES										
Sample ID	SB006		SB006		SB007		SB007		SB008	
Sample Depth (feet BGS)	12-14		14-16		12-14		14-16		12-14	
Date Collected	10/03/96		10/03/96		10/03/96		10/03/96		10/03/96	
Date Extracted	10/08/96		10/09/96		10/08/96		10/10/96		10/10/96	
Date Analyzed	10/08/96		10/09/96		10/08/96		10/10/96		10/10/96	
Analytical Method No.	8020		8020		8020		8020		8020	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Benzene	<5.9	5.9	<5.4	5.4	<5.7	5.7	<5.8	5.8	<5.5	5.5
☒ Toluene	<5.9	5.9	<5.4	5.4	<5.7	5.7	<5.8	5.8	<5.5	5.5
☒ Ethylbenzene	<5.9	5.9	<5.4	5.4	<5.7	5.7	<5.8	5.8	<5.5	5.5
☒ Total Xylenes	<18	18	<16	16	<17	17	<17	17	<17	17
☐ MTBE										
POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB006		SB006		SB007		SB007		SB008	
Sample Depth (feet BGS)	12-14		14-16		12-14		14-16		12-14	
Date Collected	10/03/96		10/03/96		10/03/96		10/03/96		10/03/96	
Date Extracted	10/13/96		10/13/96		10/13/96		10/13/96		10/13/96	
Date Analyzed	10/22/96		10/22/96		10/22/96		10/22/96		10/22/96	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Acenaphthene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Acenaphthylene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Anthracene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Benzo(a)anthracene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Benzo(a)pyrene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Benzo(b)fluoranthene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Benzo(g,h,i)perylene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Benzo(k)fluoranthene	<200	200	<180	180	<190	190	<190	190	<180	180

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)
ATTACHMENT NO. 7 (CONTINUED)
LABORATORY RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)
FACILITY ID NUMBER 5-001946

POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB006		SB006		SB007		SB007		SB008	
Sample Depth (feet BGS)	12-14		14-16		12-14		14-16		12-14	
Date Collected	10/03/96		10/03/96		10/03/96		10/03/96		10/03/96	
Date Extracted	10/13/96		10/13/96		10/13/96		10/13/96		10/13/96	
Date Analyzed	10/22/96		10/22/96		10/22/96		10/22/96		10/22/96	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Chrysene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Dibenzo(a,h)anthracene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Fluoranthene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Fluorene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Indeno(1,2,3- cd)pyrene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ 2-Methylnaphthalene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Naphthalene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Phenanthrene	<200	200	<180	180	<190	190	<190	190	<180	180
☒ Pyrene	<200	200	<180	180	<190	190	<190	190	<180	180
METALS										
Sample ID	SB006		SB006		SB007		SB007		SB008	
Sample Depth (feet BGS)	12-14		14-16		12-14		14-16		12-14	
Date Collected	10/03/96		10/03/96		10/03/96		10/03/96		10/03/96	
Date Extracted	10/11/96		10/11/96		10/11/96		10/11/96		10/11/96	
Date Analyzed	10/17; 10/14; 10/14/96		10/17; 10/14; 10/14/96		10/17; 10/14; 10/14/96		10/17; 10/14; 10/14/96		10/17; 10/14; 10/14/96	
Analytical Method No.	7131; 6010A; 6010A		7131; 6010A; 6010A		7131; 6010A; 6010A		7131; 6010A; 6010A		7131; 6010A; 6010A	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Cadmium	111	59.3	75.3	53.8	61.1	56.5	111	92.5	64.3	55.5
☐ Chromium III										
☒ Chromium VI	13100	296	14200	269	9470	565	19000	289	7410	277
☒ Total Lead	6150	593	4910	538	4010	565	7700	578	4560	555

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)
 ATTACHMENT NO. 7 (CONTINUED)
 LABORATORY RESULTS - SOIL
 FACILITY NAME Vacant Lot (GM-Lenox)
 FACILITY ID NUMBER 5-001946

PCBs										
Sample ID	SB006		SB006		SB007		SB007		SB008	
Sample Depth (feet BGS)	12-14		14-16		12-14		14-16		12-14	
Date Collected	10/03/96		10/03/96		10/03/96		10/03/96		10/03/96	
Date Extracted	10/14/96		10/14/96		10/14/96		10/14/96		10/14/96	
Date Analyzed	10/18/96		10/18/96		10/18/96		10/18/96		10/18/96	
Analytical Method No.	8080		8080		8080		8080		8080	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Aroclor 1016	< 200	200	< 180	180	< 190	190	< 190	190	< 180	180
☒ Aroclor 1221	< 200	200	< 180	180	< 190	190	< 190	190	< 180	180
☒ Aroclor 1232	< 200	200	< 180	180	< 190	190	< 190	190	< 180	180
☒ Aroclor 1242	< 200	200	< 180	180	< 190	190	< 190	190	< 180	180
☒ Aroclor 1248	< 200	200	< 180	180	< 190	190	< 190	190	< 180	180
☒ Aroclor 1254	< 200	200	< 180	180	< 190	190	< 190	190	< 180	180
☒ Aroclor 1260	< 200	200	< 180	180	< 190	190	< 190	190	< 180	180
HALOGENATED HYDROCARBONS										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.										
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Carbon Tetrachloride										
☐ 1,1-Dichloroethane										
☐ 1,2-Dichloroethane										
☐ 1,1-Dichloroethylene										

BGS = Below Ground Surface

* Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) If Other (OT), specify here: _____

MDL = METHOD DETECTION LIMIT

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)**

ATTACHMENT NO. 7

LABORATORY RESULTS-SOIL

FACILITY NAME Vacant Lot (GM-Lenox)

FACILITY ID NUMBER 5-001946

VOLATILES										
Sample ID	SB008		SB009		SB009		SB013		SB013	
Sample Depth (feet BGS)	14-16		12-14		14-16		12-14		14-16	
Date Collected	10/03/96		10/03/96		10/03/96		10/03/96		10/03/96	
Date Extracted	10/10/96		10/09/96		10/09/96		10/09/96		10/09/96	
Date Analyzed	10/10/96		10/09/96		10/09/96		10/09/96		10/09/96	
Analytical Method No.	8020		8020		8020		8020		8020	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Benzene	<5.5	5.5	<6.1	6.1	<5.3	5.3	<5.6	5.6	<5.3	5.3
☒ Toluene	<5.5	5.5	<6.1	6.1	<5.3	5.3	<5.6	5.6	<5.3	5.3
☒ Ethylbenzene	<5.5	5.5	<6.1	6.1	<5.3	5.3	<5.6	5.6	<5.3	5.3
☒ Total Xylenes	<16	16	<18	18	<16	16	<17	17	<16	16
☐ MTBE										
POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB008		SB009		SB009		SB013		SB013	
Sample Depth (feet BGS)	14-16		12-14		14-16		12-14		14-16	
Date Collected	10/03/96		10/03/96		10/03/96		10/03/96		10/03/96	
Date Extracted	10/13/96		10/13/96		10/13/96		10/13/96		10/13/96	
Date Analyzed	10/22/96		10/22/96		10/22/96		10/22/96		10/22/96	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Acenaphthene	<180	180	<200	200	<180	180	<180	180	<170	170
☒ Acenaphthylene	<180	180	<200	200	<180	180	<180	180	<170	170
☒ Anthracene	<180	180	<200	200	<180	180	<180	180	<170	170
☒ Benzo(a)anthracene	<180	180	<200	200	<180	180	<180	180	<170	170
☒ Benzo(a)pyrene	<180	180	<200	200	<180	180	<180	180	<170	170
☒ Benzo(b)fluoranthene	<180	180	<200	200	<180	180	<180	180	<170	170
☒ Benzo(g,h,i)perylene	<180	180	<200	200	<180	180	<180	180	<170	170
☒ Benzo(k)fluoranthene	<180	180	<200	200	<180	180	<180	180	<170	170

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)
ATTACHMENT NO. 7 (CONTINUED)
LABORATORY RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)
FACILITY ID NUMBER 5-001946

POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB008		SB009		SB009		SB013		SB013	
Sample Depth (feet BGS)	14-16		12-14		14-16		12-14		14-16	
Date Collected	10/03/96		10/03/96		10/03/96		10/03/96		10/03/96	
Date Extracted	10/13/96		10/13/96		10/13/96		10/13/96		10/13/96	
Date Analyzed	10/22/96		10/22/96		10/22/96		10/22/96		10/22/96	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Chrysene	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Dibenzo(a,h)anthracene	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Fluoranthene	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Fluorene	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Indeno(1,2,3- cd)pyrene	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ 2-Methylnaphthalene	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Naphthalene	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Phenanthrene	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Pyrene	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
METALS										
Sample ID	SB008		SB009		SB009		SB013		SB013	
Sample Depth (feet BGS)	14-16		12-14		14-16		12-14		14-16	
Date Collected	10/03/96		10/03/96		10/03/96		10/03/96		10/03/96	
Date Extracted	10/11/96		10/11/96		10/11/96		10/11/96		10/11/96	
Date Analyzed	10/17; 10/14; 10/14/96		10/17; 10/14; 10/14/96		10/17; 10/14; 10/14/96		10/17; 10/14; 10/14/96		10/17; 10/14; 10/14/96	
Analytical Method No.	7131; 6010A; 6010A		7131; 6010A; 6010A		7131; 6010A; 6010A		7131; 6010A; 6010A		7131; 6010A; 6010A	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Cadmium	105	87.7	100	61.1	480	320	82.5	55.7	71.6	52.7
☐ Chromium III										
☒ Chromium VI	13200	274	13900	611	9560	267	12000	279	12300	263
☒ Total Lead	5190	548	6340	367	4870	533	4610	557	11000	527

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)
ATTACHMENT NO. 7 (CONTINUED)
LABORATORY RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)
FACILITY ID NUMBER 5-001946

PCBs										
Sample ID	SB008		SB009		SB009		SB013		SB013	
Sample Depth (feet BGS)	14-16		12-14		14-16		12-14		14-16	
Date Collected	10/03/96		10/03/96		10/03/96		10/03/96		10/03/96	
Date Extracted	10/14/96		10/14/96		10/14/96		10/14/96		10/14/96	
Date Analyzed	10/18/96		10/18/96		10/18/96		10/18/96		10/18/96	
Analytical Method No.	8080		8080		8080		8080		8080	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Aroclor 1016	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Aroclor 1221	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Aroclor 1232	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Aroclor 1242	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Aroclor 1248	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Aroclor 1254	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
☒ Aroclor 1260	< 180	180	< 200	200	< 180	180	< 180	180	< 170	170
HALOGENATED HYDROCARBONS										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.										
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Carbon Tetrachloride										
☐ 1,1-Dichloroethane										
☐ 1,2-Dichloroethane										
☐ 1,1-Dichloroethylene										

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION

INITIAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 7

LABORATORY RESULTS-SOIL

FACILITY NAME Vacant Lot (GM-Lenox)

FACILITY ID NUMBER 5-001946

VOLATILES	Dup. of SB013 (12-14')								
Sample ID	SB063								
Sample Depth (feet BGS)	12-14								
Date Collected	10/03/96								
Date Extracted	10/14/96								
Date Analyzed	10/18/96								
Analytical Method No.	8020								
Collection Method*	GP								
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc
☒ Benzene	<5.5	5.5							
☒ Toluene	<5.5	5.5							
☒ Ethylbenzene	<5.5	5.5							
☒ Total Xylenes	<17	17							
☐ MTBE									
POLYNUCLEAR AROMATICS (PNAs)									
Sample ID	SB063								
Sample Depth (feet BGS)	12-14								
Date Collected	10/03/96								
Date Extracted	10/13/96								
Date Analyzed	10/22/96								
Analytical Method No.	8310								
Collection Method*	GP								
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc
☒ Acenaphthene	<180	180							
☒ Acenaphthylene	<180	180							
☒ Anthracene	<180	180							
☒ Benzo(a)anthracene	<180	180							
☒ Benzo(a)pyrene	<180	180							
☒ Benzo(b)fluoranthene	<180	180							
☒ Benzo(g,h,i)perylene	<180	180							
☒ Benzo(k)fluoranthene	<180	180							

BGS = Below Ground Surface

* Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) If Other (OT), specify here: _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)
ATTACHMENT NO. 7 (CONTINUED)
LABORATORY RESULTS - SOIL
FACILITY NAME Vacant Lot (GM-Lenox)
FACILITY ID NUMBER 5-001946

POLYNUCLEAR AROMATICS (PNAs)	Dup. of SB013 (12-14')									
Sample ID	SB063									
Sample Depth (feet BGS)	12-14									
Date Collected	10/03/96									
Date Extracted	10/13/96									
Date Analyzed	10/22/96									
Analytical Method No.	8310									
Collection Method*	GP									
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Chrysene	< 180	180								
☒ Dibenzo(a,h)anthracene	< 180	180								
☒ Fluoranthene	< 180	180								
☒ Fluorene	< 180	180								
☒ Indeno(1,2,3- cd)pyrene	< 180	180								
☒ 2-Methylnaphthalene	< 180	180								
☒ Naphthalene	< 180	180								
☒ Phenanthrene	< 180	180								
☒ Pyrene	< 180	180								
METALS										
Sample ID	SB063									
Sample Depth (feet BGS)	12-14									
Date Collected	10/03/96									
Date Extracted	10/11/96									
Date Analyzed	10/17; 10/14; 10/14/96									
Analytical Method No.	7131; 6010A; 6010A									
Collection Method*	GP									
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Cadmium	77.5	55.4								
☐ Chromium III										
☒ Chromium VI	6120	277								
☒ Total Lead	4680	554								

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION

INITIAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 7 (CONTINUED)

LABORATORY RESULTS - SOIL

FACILITY NAME Vacant Lot (GM-Lenox)

FACILITY ID NUMBER 5-001946

PCBs	Dup. of SB013 (12-14')											
Sample ID	SB063											
Sample Depth (feet BGS)	12-14											
Date Collected	10/03/96											
Date Extracted	10/14/96											
Date Analyzed	10/18/96											
Analytical Method No.	8080											
Collection Method*	GP											
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☒ Aroclor 1016	< 180	180										
☒ Aroclor 1221	< 180	180										
☒ Aroclor 1232	< 180	180										
☒ Aroclor 1242	< 180	180										
☒ Aroclor 1248	< 180	180										
☒ Aroclor 1254	< 180	180										
☒ Aroclor 1260	< 180	180										
HALOGENATED HYDROCARBONS												
Sample ID												
Sample Depth (feet BGS)												
Date Collected												
Date Extracted												
Date Analyzed												
Analytical Method No.												
Collection Method*												
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Carbon Tetrachloride												
☐ 1,1-Dichloroethane												
☐ 1,2-Dichloroethane												
☐ 1,1-Dichloroethylene												

BGS = Below Ground Surface

* Collection Method Codes (*List all that apply*): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) *If Other (OT), specify here:* _____

MDL = METHOD DETECTION LIMIT

ATTACHMENTS 8
TIER I RBSL COMPARISON
TABLE FOR SOILS

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION
INITIAL ASSESSMENT REPORT (Continued)**

ATTACHMENT NO. 8

TIER I RBSL/TIER II OR TIER III SSTL COMPARISON TABLE FOR SOILS

FACILITY NAME Vacant Lot (GM-Lenox)

FACILITY ID NUMBER 5-001946

☒ Residential	☐ Commercial III	☐ Commercial IV	☐ Industrial				
Exposure Codes	A. Direct Contact		B. Soil Leaching to Potable Groundwater				
Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/kg)	Applicable Criterion with Exposure Codes (ug/kg)		Criterion Exceeded? (Yes or No)	
				Tier I RBSL	Tier II/III SSTL	Tier I RBSL	Tier II/III SSTL
VOLATILES							
☒ Benzene	SB005 (12-14')	10/02/96	58	100 B		No	
☒ Toluene	SB004 (16-18')	10/02/96	22	16000 B		No	
☒ Ethylbenzene	SB005 (12-14')	10/02/96	60	1500 B		No	
☒ Total Xylenes	SB005 (12-14')	10/02/96	170	5600 B		No	
☐ MTBE							
POLYNUCLEAR AROMATICS							
☒ Acenaphthene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	300,000 B		No	
☒ Acenaphthylene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	520 B		No	
☒ Anthracene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	4.2E+8 A		No	
☒ Benzo(a)anthracene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	14,000 A		No	
☒ Benzo(a)pyrene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	1,400 A		No	
☒ Benzo(b)fluoranthene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	14,000 A		No	
☒ Benzo(g,h,i)perylene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	1.5E+6 A		No	
☒ Benzo(k)fluoranthene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	140,000 A		No	
☒ Chrysene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	1.4E+6 A		No	
☒ Dibenzo-(a,h)anthracene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	1,400 A		No	
☒ Fluoranthene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	3.0E+6 B		No	
☒ Fluorene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	390,000 B		No	
☒ Indeno(1,2,3- cd)pyrene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	14,000 A		No	
☒ 2-Methylnaphthalene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	5,200 B		No	
☒ Naphthalene	SB005 (10-12')	10/02/96	300	17,000 B		No	
☒ Phenanthrene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	12,000 B		No	
☒ Pyrene	SB006 (12-14'); SB009 (12-14')	10/03/96	< 200	1.8E+6 B		No	

* LIST ADDITIONAL CONTAMINANTS AS APPROPRIATE

BGS = Below Ground Surface

* Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) If Other (OT), specify here: _____

MDL = METHOD DETECTION LIMIT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY-UNDERGROUND TANK DIVISION

INITIAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 8 (CONTINUED)

TIER I RBSL/TIER II OR TIER III SSTL COMPARISON TABLE FOR SOILS

FACILITY NAME Vacant Lot (GM-Lenox)

FACILITY ID NUMBER 5-001946

Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/kg)	Applicable Criterion with Exposure Codes (ug/kg)		Criterion Exceeded? (Yes or No)	
				Tier I RBSL	Tier II/III SSTL	Tier I RBSL	Tier II/III SSTL
METALS							
☒ Cadmium	SB009 (14-16')	10/03/96	480	6000 B		No	
☐ Chromium III							
☒ Chromium VI	SB007 (14-16')	10/03/96	19000	31000 B		No	
☒ Total Lead	SB013 (14-16')	10/03/96	11000	21000 B		No	
PCBs							
☒ Aroclor 1016	SB006 (12-14'); SB009 (12-14')	10/03/96	<200	330 A		No	
☒ Aroclor 1221	SB006 (12-14'); SB009 (12-14')	10/03/96	<200	330 A		No	
☒ Aroclor 1232	SB006 (12-14'); SB009 (12-14')	10/03/96	<200	330 A		No	
☒ Aroclor 1242	SB006 (12-14'); SB009 (12-14')	10/03/96	<200	330 A		No	
☒ Aroclor 1248	SB006 (12-14'); SB009 (12-14')	10/03/96	<200	330 A		No	
☒ Aroclor 1254	SB006 (12-14'); SB009 (12-14')	10/03/96	<200	330 A		No	
☒ Aroclor 1260	SB006 (12-14'); SB009 (12-14')	10/03/96	<200	330 A		No	
HALOGENATED HYDROCARBONS							
☐ Carbon Tetrachloride							
☐ 1,1-Dichloroethane							
☐ 1,2-Dichloroethane							
☐ 1,1-Dichloroethylene							
☐ cis-1,2-Dichloroethylene							
☐ trans-1,2-Dichloroethylene							
☐ Tetrachloroethylene							
☐ 1,1,2-Trichloroethane							
OTHER*							
☐							
☐							

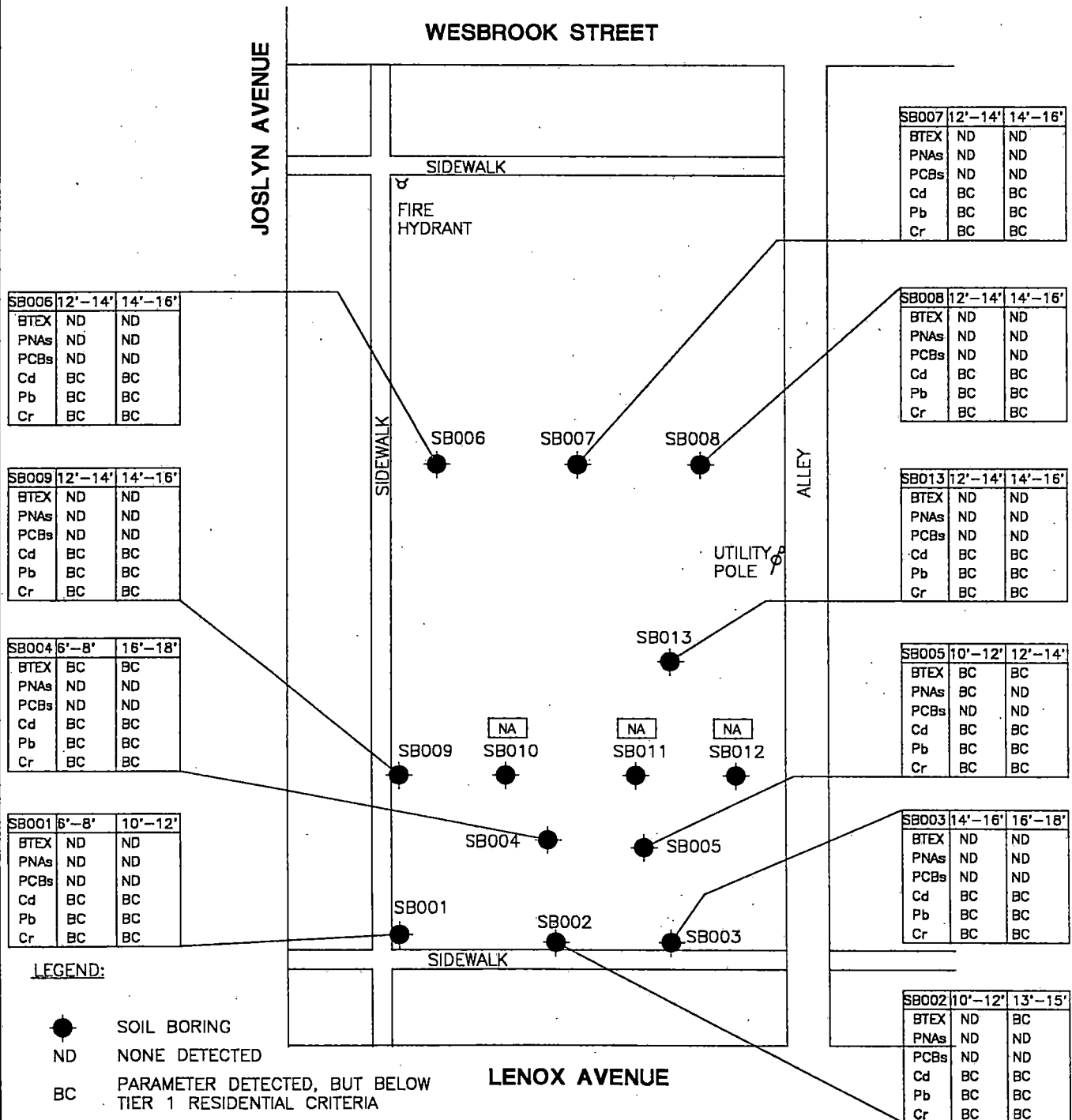
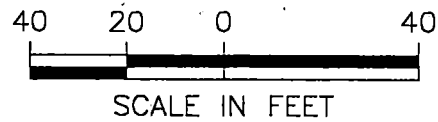
* LIST ADDITIONAL CONTAMINANTS AS APPROPRIATE

BGS = Below Ground Surface

* Collection Method Codes (List all that apply): Grab Sample (GS), Split Spoon (SS), Hand Auger (HA), Geoprobe (GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch (HP) If Other (OT), specify here: _____

MDL = METHOD DETECTION LIMIT

ATTACHMENT 9
SITE PLAN - SOIL



SITE PLAN-SOIL
VACANT LOT-GM LENOX
 NORTHEAST CORNER OF JOSLYN/LENOX
 PONTIAC, MICHIGAN

ATTACHMENT 12
SOIL BORING LOGS

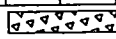
LOCATION MAP		GENERAL MOTORS		PAGE 1 OF 1						
	LOCATION NUMBER ► SB001		LOCATION ► LENOX/JOSLYN							
	DATE ► 10/02/96		WEATHER ► 65F CLOUDY							
	LOGGED BY ► B.REESER		DRILLED BY ► EQL							
	DRILLING METHOD ► GEOPROBE		SAMPLING METHOD ► 4'SAMPLER							
	GRAVEL PACK ► NA		SEAL ► BENTONITE							
CASING ► TYPE NA		DIAMETER NA		LENGTH NA						
SCREEN ► TYPE NA		SLOT NA		DIAMETER NA						
				LENGTH NA						
				HOLE DIA. 4.0"						
				TOTAL DEPTH 12'						
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS	WELL COMPLETION
DRY						0			0-4' SAND FILL. Tan.	
						1				
						2				
						3				
MOIST						4			4-5' CLAY, some sand, fine-coarse. Tan.	
WET						5			5-7' SAND, fine-coarse, little clay. Tan.	
					330	6	100%			
						7			7-8' CLAY, some sand, fine-coarse. Tan.	
DRY						8			8-12' Clay, some sand, fine-coarse. Gray. Friable.	
DRY						9				
					223	10	100%			
						11				
						12			END OF BORING.	
						13				
						14				
						15				
						16				
						17				
						18				
						19				
						20				
EXPLANATION GROUT BENTONITE Disk #96-261 SAND CASING SCREEN WATER LEVEL										

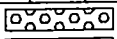
LOCATION MAP 		GENERAL MOTORS				PAGE 1 OF 1					
		LOCATION NUMBER ► SB002		LOCATION ► LENOX/JOSYLN							
		DATE ► 10/02/96		WEATHER ► 65F CLOUDY							
		LOGGED BY ► B. REESER		DRILLED BY ► EQL							
		DRILLING METHOD ► GEOPROBE			SAMPLING METHOD ► 4'SAMPLER						
		GRAVEL PACK ► NA			SEAL ► BENTONITE						
CASING ► TYPE NA		DIAMETER NA		LENGTH NA		HOLE DIA. 4.0"					
SCREEN ► TYPE NA		SLOT NA		DIAMETER NA		LENGTH NA	TOTAL DEPTH 16'				
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPH)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS	WELL COMPLETION	
DRY						0			0-4'	SAND FILL. Tan and brown.	
						1					
						2					
						3					
DRY				0	100%	4			4-8'	CLAY, some sand, fine-coarse. Friable. Mottled tan and gray.	
						5					
						6					
						7					
DRY				0	100%	8			8-13'	Clay, some sand, fine-coarse. Gray. Friable.	
						9					
						10					
						11					
DRY WET				>10000	100%	12			13-14'	SAND, fine-coarse, trace gravel, fine-coarse. Tan with black staining.	
						13					
						14					
						15					
MOIST						16			14-16'	CLAY, some sand, fine-coarse. Gray.	
						17					
						18					
						19					
						20					
END OF BORING.											
EXPLANATION GROUT SAND SCREEN BENTONITE CASING WATER LEVEL											

LOCATION MAP				GENERAL MOTORS				PAGE 1 OF 1				
				LOCATION NUMBER ► SB003		LOCATION ► LENOX/JOSLYN						
				DATE ► 10/02/96		WEATHER ► 75F CLOUDY						
				LOGGED BY ► B. REESER		DRILLED BY ► EQL						
				DRILLING METHOD ► GEOPROBE		SAMPLING METHOD ► 4'SAMPLER						
				GRAVEL PACK ► NA		SEAL ► BENTONITE						
CASING ► TYPE NA				DIAMETER NA		LENGTH NA		HOLE DIA. 4.0"				
SCREEN ► TYPE NA				SLOT NA		DIAMETER NA		LENGTH NA		TOTAL DEPTH 20'		
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS			WELL COMPLETION
DRY						0			0-4'	CLAY. Mottled tan and gray.		
						1						
						2						
						3						
MOIST/WET						4			4-6'	CLAY, some sand, fine-coarse. Mottled tan and gray.		
						5						
DRY					0	6	100%		6-8'	Clay, some sand, fine-coarse. Tan. Friable.		
						7						
DRY						8			8-9'	Clay, some sand, fine-coarse. Brown.		
						9						
DRY						10			9-12'	Clay, some sand, fine-coarse. Gray.		
					0	11	100%					
						12			12-14'	SAND, fine-coarse, some clay. Tan.		
MOIST						13						
						14			14-16'	CLAY, some sand, fine-coarse, trace gravel, fine. Gray.		
DRY					11	15	100%					
						16			16-16.5'	Same as 14'-16' except mottled tan and gray.		
WET					0	17	100%		16.5-20'	Clay, some sand, fine-coarse, trace gravel, fine-coarse. Gray.		
						18						
						19						
MOIST						20			END OF BORING.			

EXPLANATION

Disk #96-261

 GROUT
 BENTONITE

 SAND
 CASING

 SCREEN
 WATER LEVEL

H:\96-LOG\30390S03

		LOCATION MAP				GENERAL MOTORS				PAGE 1 OF 2	
		LOCATION NUMBER ▶ SB004		LOCATION ▶ LENOX/JOSYLN		DATE ▶ 10/02/96		WEATHER ▶ 75F CLOUDY			
		LOGGED BY ▶ B.REESER		DRILLED BY ▶ EQL							
		DRILLING METHOD ▶ GEOPROBE		SAMPLING METHOD ▶ 4'SAMPLER							
		GRAVEL PACK ▶ NA		SEAL ▶ BENTONITE							
CASING ▶ TYPE NA						DIAMETER NA		LENGTH NA		HOLE DIA. 4.0"	
SCREEN ▶ TYPE NA						SLOT NA		DIAMETER NA		TOTAL DEPTH 24'	
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS		WELL COMPLETION
DRY						0			0-4'	SAND and GRAVEL FILL. Tan.	
						1					
						2					
						3					
DRY						4			4-8'	CLAY, some sand, fine-coarse. Mottled tan and gray.	
						5					
						6					
						7					
DRY					5500	8			8-12.4'	Clay, some sand, fine-coarse. Trace Gravel, coarse. Mottled gray and brown. Friable.	
						9					
						10					
						11					
MOIST					932	12			12.4-15'	SAND, fine-coarse, trace gravel, fine, some clay. Tan.	
						13					
						14					
						15					
MOIST					2092	16			15-16'	Sand, fine-coarse, trace gravel, fine, Some clay. Gray.	
						17					
WET MOIST					1377	18			16-17'	SAND. fine-coarse, some clay. Tan.	
						19					
						20					
EXPLANATION GROUT SAND SCREEN BENTONITE CASING WATER LEVEL											

LOCATION MAP 		GENERAL MOTORS				PAGE 2 OF 2				
		LOCATION NUMBER ▶ SB004		LOCATION ▶ LENOX/JOSYLN						
		DATE ▶ 10/02/96		WEATHER ▶ 75F CLOUDY						
		LOGGED BY ▶ B.REESER		DRILLED BY ▶ EQL						
		DRILLING METHOD ▶ GEOPROBE		SAMPLING METHOD ▶ 4'SAMPLER						
		GRAVEL PACK ▶ NA		SEAL ▶ BENTONITE						
CASING ▶ TYPE NA				DIAMETER NA		LENGTH NA	HOLE DIA. 4.0"			
SCREEN ▶ TYPE NA				SLOT NA		DIAMETER NA	LENGTH NA	TOTAL DEPTH 24'		
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS	WELL COMPLETION
					255	20	100%		END OF BORING	
						21				
						22				
						23				
						24				
						25				
						26				
						27				
						28				
						29				
						30				
						31				
						32				
						33				
						34				
						35				
						36				
						37				
						38				
						39				
						40				
EXPLANATION		GROUT		SAND		SCREEN				
Disk #96-261		BENTONITE		CASING		WATER LEVEL				

LOCATION MAP		GENERAL MOTORS				PAGE 1 OF 1				
		LOCATION NUMBER ► SB005		LOCATION ► LENOX/JOSLYN						
		DATE ► 10/02/96		WEATHER ► 65F CLOUDY						
		LOGGED BY ► B. REESER		DRILLED BY ► EQL						
		DRILLING METHOD ► GEOPROBE		SAMPLING METHOD ► 4'SAMPLER						
		GRAVEL PACK ► NA		SEAL ► BENTONITE						
CASING ► TYPE NA				DIAMETER NA		LENGTH NA		HOLE DIA. 4.0"		
SCREEN ► TYPE NA				SLOT NA		DIAMETER NA		LENGTH NA	TOTAL DEPTH 16'	
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS	WELL COMPLETION
DRY						0			0-4' SAND FILL. Tan.	
						1				
						2				
						3				
DRY					182	4			4-8' CLAY, some sand, fine-coarse. Tan.	
						5				
						6				
						7	100%			
DRY						8			8-10' Clay, some sand, fine-coarse. Mottled tan and gray.	
						9				
						10				
						11				
MOIST					717	10			10-11.8' Clay, some sand, fine-coarse. Brown.	
						11	100%			
						12				
						13				
WET					3919	12			11.8-14' SAND, fine-coarse. Gray.	
						13	100%			
						14				
						15				
MOIST						14			14-16' CLAY, some sand, fine-coarse. Gray.	
						15				
						16				
						17				
						18				
						19				
						20			END OF BORING.	

EXPLANATION
 GROUT
 BENTONITE
 SAND
 CASING

SCREEN
 WATER LEVEL

Disk #96-262
H:\96-LOG\30390505

LOCATION MAP 		GENERAL MOTORS				PAGE 1 OF 1				
		LOCATION NUMBER ► SB006		LOCATION ► LENOX/JOSLYN						
		DATE ► 10/03/96		WEATHER ► 40F P.CLOUDY						
		LOGGED BY ► B.REESER		DRILLED BY ► EQL						
		DRILLING METHOD ► GEOPROBE		SAMPLING METHOD ► 4'SAMPLER						
		GRAVEL PACK ► NA		SEAL ► BENTONITE						
CASING ► TYPE NA				DIAMETER NA		LENGTH NA	HOLE DIA. 4.0"			
SCREEN ► TYPE NA				SLOT NA		DIAMETER NA	LENGTH NA	TOTAL DEPTH 16'		
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS	WELL COMPLETION
MOIST						0			0-4' CLAY. Mottled tan and brown.	
						1				
						2				
						3				
MOIST						4			4-8' SAND, fine and CLAY. Mottled tan and gray.	
						5				
						6				
					22	7	100%			
DRY						8			8-10' CLAY, some sand, fine-coarse. Friable. Mottled tan and gray.	
						9				
MOIST						10	100%		10-11' SAND, fine-coarse, some clay. Mottled tan and gray.	
MOIST/WET						11			11-12' SAND, fine, little clay. Tan.	
WET						12				
WET						13	100%		12-13.5' SAND, fine. Tan.	
						14				
MOIST						15	100%		13.5-16' CLAY, some sand, fine-coarse. Gray.	
						16				
						17			END OF BORING.	
						18				
						19				
						20				
EXPLANATION GROUT SAND SCREEN BENTONITE CASING WATER LEVEL										
Disk #96-262 H:\96-LOG\30390506										

LOCATION MAP 		GENERAL MOTORS				PAGE 1 OF 1				
		LOCATION NUMBER ► SB007		LOCATION ► LENOX/JOSLYN						
		DATE ► 10/03/96		WEATHER ► 45F CLEAR						
		LOGGED BY ► B.REESER		DRILLED BY ► EQL						
		DRILLING METHOD ► GEOPROBE		SAMPLING METHOD ► 4'SAMPLER						
		GRAVEL PACK ► NA		SEAL ► BENTONITE						
CASING ► TYPE NA				DIAMETER NA		LENGTH NA	HOLE DIA. 4.0"			
SCREEN ► TYPE NA				SLOT NA		DIAMETER NA	LENGTH NA	TOTAL DEPTH 16'		
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS	WELL COMPLETION
MOIST						0			0-4' CLAY. Mottled tan and brown.	
						1				
						2				
						3				
MOIST						4			4-6' CLAY, some sand, fine-coarse, trace gravel, fine-coarse. Brown.	
						5				
						6				
DRY				192		7	90%		6-8' CLAY, trace sand, fine. Friable. Brown.	
MOIST						8			8-9' SAND, fine-coarse, trace gravel, coarse, trace silt and clay. Gray.	
						9				
						10			9-10' Clay, trace sand, fine and silt. Friable. Gray.	
DRY						11			10-12' CLAY, trace sand, fine and silt. Friable. Tan.	
				109		12	100%			
MOIST/WET						13			12-14' SAND, fine-coarse and CLAY. Tan.	
						14				
MOIST						15			14-16' CLAY, some sand, fine-coarse, trace gravel, fine-coarse. Gray.	
				60		16	100%			
						17			END OF BORING.	
						18				
						19				
						20				
EXPLANATION GROUT SAND SCREEN Disk #96-262 BENTONITE CASING WATER LEVEL										

LOCATION MAP		GENERAL MOTORS		PAGE 1 OF 1						
	LOCATION NUMBER ► SB008		LOCATION ► LENOX/JOSLYN							
	DATE ► 10/03/96		WEATHER ► 45F CLEAR							
	LOGGED BY ► B.REESER		DRILLED BY ► EQL							
	DRILLING METHOD ► GEOPROBE		SAMPLING METHOD ► 4'SAMPLER							
	GRAVEL PACK ► NA		SEAL ► BENTONITE							
CASING ► TYPE NA		DIAMETER NA		LENGTH NA						
SCREEN ► TYPE NA		SLOT NA		DIAMETER NA						
				LENGTH NA						
				TOTAL DEPTH 16'						
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS	WELL COMPLETION
MOIST						0			0-4' CLAY. Mottled tan and brown.	
						1				
						2				
						3				
MOIST						4			4-6' CLAY, some sand, fine-coarse. Mottled tan and gray.	
						5				
MOIST					199	6	100%		6-8' CLAY, little sand, fine-coarse. Tan.	
						7				
						8				
DAMP						9			8-10' CLAY, trace sand, fine-coarse. Tan.	
						10				
DRY					35	11	100%		10-12' CLAY, some sand, fine-coarse. Gray.	
						12				
MOIST/WET					51	13	90%		12-13' SAND, fine-coarse. Gray.	
MOIST/WET						14			13-14' SAND, fine-coarse and CLAY. Gray.	
MOIST					55	15	90%		14-16' CLAY, some sand, fine-coarse. Mottled tan and gray.	
						16				
						17			END OF BORING.	
						18				
						19				
						20				
EXPLANATION GROUT BENTONITE Disk #96-262 SAND CASING SCREEN WATER LEVEL										

LOCATION MAP		GENERAL MOTORS				PAGE 1 OF 1				
		LOCATION NUMBER ► SB009		LOCATION ► LENOX/JOSLYN						
		DATE ► 10/03/96		WEATHER ► 45F CLEAR						
		LOGGED BY ► B.REESER		DRILLED BY ► EQL						
		DRILLING METHOD ► GEOPROBE			SAMPLING METHOD ► 4'SAMPLER					
		GRAVEL PACK ► NA			SEAL ► BENTONITE					
CASING ► TYPE NA		DIAMETER NA		LENGTH NA		HOLE DIA. 4.0"				
SCREEN ► TYPE NA		SLOT NA		DIAMETER NA		LENGTH NA	TOTAL DEPTH 16'			
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS	WELL COMPLETION
DRY						0			0-4' CLAY. Mottled tan and gray.	
						1				
						2				
						3				
						4				
DRY						5			4-6' CLAY, some sand, fine-medium. Mottled tan and gray.	
						6				
MOIST					101	7	100%		6-10' Clay, some sand, fine-medium. Tan.	
						8				
						9				
						10				
DRY					166	11	100%		10-13' Clay, little sand, fine-coarse. Gray.	
						12				
						13				
WET						14			13-15' SAND, fine-coarse, trace gravel, fine-coarse, trace silt and clay. Tan.	
						15	100%			
MOIST					171	16			15-16' CLAY, some sand, fine-coarse. Gray.	
						17			END OF BORING.	
						18				
						19				
						20				

EXPLANATION
 Disk #96-262

GROUT
 BENTONITE

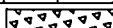
SAND
 CASING

SCREEN
 WATER LEVEL

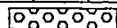
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		LOCATION MAP				GENERAL MOTORS				PAGE <u>1</u> OF <u>1</u>		
		LOCATION NUMBER ► SB010				LOCATION ► LENOX/JOSLYN						
		DATE ► 10/03/96				WEATHER ► 50F CLEAR						
		LOGGED BY ► B.REESER				DRILLED BY ► EQL						
		DRILLING METHOD ► GEOPROBE				SAMPLING METHOD ► 4'SAMPLER						
		GRAVEL PACK ► NA				SEAL ► BENTONITE						
CASING ► TYPE NA		DIAMETER NA		LENGTH NA		HOLE DIA. 4.0"						
SCREEN ► TYPE NA		SLOT NA		DIAMETER NA		LENGTH NA		TOTAL DEPTH 12'				
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS			WELL COMPLETION
DRY						0			0-4'	CLAY. Mottled tan and brown.		
						1						
						2						
						3						
MOIST						4			4-7'	CLAY, some sand, fine-coarse. Tan (reddish).		
						5						
						6						
						7						
DRY					54	7	60%		7-8'	Clay, little sand, fine-coarse. Gray.		
						8						
DAMP						9			8-12'	Clay, little sand, fine-coarse. Tan.		
						10						
						11						
						12						
						13						
						14						
						15						
						16						
						17			11-12'	Black staining in sand lenses within clay.		
18												
19												
20												
END OF BORING.												
EXPLANATION GROUT BENTONITE SAND CASING SCREEN WATER LEVEL												

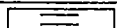
EXPLANATION



GROUT

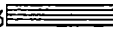


SAND

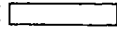


SCREEN

Disk #96-263



BENTONITE



CASING



WATER LEVEL

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LOCATION MAP		GENERAL MOTORS		PAGE <u>1</u> OF <u>1</u>						
		LOCATION NUMBER ▶ SB011		LOCATION ▶ LENOX/JOSLYN						
		DATE ▶ 10/03/96		WEATHER ▶ 50F P.CLOUDY						
		LOGGED BY ▶ B.REESER		DRILLED BY ▶ EQL						
		DRILLING METHOD ▶ GEOPROBE		SAMPLING METHOD ▶ 4'SAMPLER						
		GRAVEL PACK ▶ NA		SEAL ▶ BENTONITE						
CASING ▶ TYPE NA				DIAMETER NA	LENGTH NA					
SCREEN ▶ TYPE NA				SLOT NA	DIAMETER NA					
				LENGTH NA	HOLE DIA. 4.0"					
				TOTAL DEPTH 8'						
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS	WELL COMPLETION
DRY						0			0-4' CLAY. Brown.	
						1				
MOIST					2971	2			4-8' CLAY, some sand, fine-coarse. Mottled tan and gray.	
						3				
						4				
						5	100%			
						6				
						7				
						8				
						9				
						10				
						11				
						12				
						13				
						14				
						15				
						16				
						17				
						18				
						19				
20										
									END OF BORING.	

EXPLANATION GROUT
 BENTONITE
Disk #96-263

SAND
 CASING

SCREEN
 WATER LEVEL

H:\96-LOG\30390511

		LOCATION MAP				GENERAL MOTORS				PAGE 1 OF 1	
		LOCATION NUMBER ► SB012				LOCATION ► LENOX/JOSLYN					
		DATE ► 10/03/96				WEATHER ► 50F P.CLOUDY					
		LOGGED BY ► B.REESER				DRILLED BY ► EQL					
		DRILLING METHOD ► GEOPROBE				SAMPLING METHOD ► 4'SAMPLER					
		GRAVEL PACK ► NA				SEAL ► BENTONITE					
CASING ► TYPE NA						DIAMETER NA		LENGTH NA		HOLE DIA. 4.0"	
SCREEN ► TYPE NA						SLOT NA		DIAMETER NA		TOTAL DEPTH 16'	
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS		WELL COMPLETION
DRY						0			0-4' CLAY. Tan.		
						1					
						2					
						3					
						4					
DRY						5			4-8' CLAY, some sand, fine-coarse. Mottled tan and gray.		
						6					
DRY					15.6	7	100%				
						8					
						9			8-12' NO RECOVERY.		
						10					
						11					
WET					7800	12	100%		12-14' SAND, fine-coarse. Gray.		
						13					
MOIST						14			14-15' CLAY, some sand, fine. Tan.		
WET						15			15-16' SAND, fine-coarse. Gray.		
						16					
						17			END OF BORING.		
						18					
						19					
						20					
EXPLANATION GROUT SAND SCREEN BENTONITE CASING WATER LEVEL											
Disk #96-263 H:\96-LOG\30390S12											

LOCATION MAP		GENERAL MOTORS		PAGE 1 OF 1						
	LOCATION NUMBER ► SB013		LOCATION ► LENOX/JOSLYN							
	DATE ► 10/03/96		WEATHER ► 50F P.CLOUDY							
	LOGGED BY ► B.REESER		DRILLED BY ► EQL							
	DRILLING METHOD ► GEOPROBE			SAMPLING METHOD ► 4'SAMPLER						
	GRAVEL PACK ► NA			SEAL ► BENTONITE						
CASING ► TYPE NA		DIAMETER NA		LENGTH NA						
SCREEN ► TYPE NA		SLOT NA		DIAMETER NA						
				LENGTH NA						
				HOLE DIA. 4.0"						
				TOTAL DEPTH 16'						
MOISTURE CONTENT	SORTING	DENSITY	PLASTICITY	SAMPLE NUMBER	TIP READING (PPM)	DEPTH	SAMPLE RECOVERY	PENETRATION RESISTANCE	LITHOLOGY/REMARKS	WELL COMPLETION
DRY						0			0-4' CLAY. Brown.	
						1				
						2				
						3				
DRY						4			4-8' CLAY, little sand, fine-med. Mottled tan and gray.	
						5				
DRY					28	6	100%			
						7				
						8			8-12' CLAY, some sand, fine-med. Tan.	
						9				
MOIST					54	10	70%			
						11				
WET					N/A	12	95%		12-14' SAND, fine-coarse, trace gravel, fine-coarse. Tan.	
						13				
MOIST					N/A	14	95%		14-16' CLAY, some sand, fine-coarse. Gray.	
						15				
						16			END OF BORING.	
						17				
						18				
						19				
						20				
EXPLANATION		GROUT SAND SCREEN								
Disk #96-263		BENTONITE CASING WATER LEVEL								

Final Assessment Report – Parsons October 1997

LEAKING UNDERGROUND STORAGE TANK FINAL ASSESSMENT REPORT

INSTRUCTIONS: COMPLETION OF THIS REPORT WITH ALL APPLICABLE INFORMATION IS MANDATORY. The Certified Underground Storage Tank Professional (CP) MUST sign below. Failure to submit a report within the stated time period may result in Administrative Penalties as provided for in Part 213, Section 21313a of Act 451, P. A. 1994 as amended.

FACILITY NAME: Vacant Lot (GM - Lenox UST)	FACILITY ID NUMBER: 5-001946
ADDRESS: Northeast Corner of Joslyn and Lenox, Pontiac, MI COUNTY: Oakland	MERA SITE ID NUMBER:
DATE(S) RELEASE DISCOVERED: 11/01/96	CONFIRMED RELEASE NUMBER(S): c-889-96
O/O NAME: General Motors Corporation	MUSTFA CLAIM NUMBER:
O/O ADDRESS: Argonaut "A" - 1004H, 485 W. Milwaukee Ave., Detroit, MI 48202-3220	
Ken Richards	PHONE NUMBER: 313.556.3196

ANSWER ALL QUESTIONS (DO NOT LEAVE BLANKS):

1. Has the UST been emptied? ☒ Yes ☐ No (If no, explain why):
2. Free product present: a. Currently? ☐ YES ☒ NO If YES, total gallons recovered since last report:
b. Previously? ☐ YES ☒ NO If YES, total gallons recovered to date:
3. Have vapors been identified in any confined spaces (basement, sewers)? ☐ YES ☒ NO
4. State the number of homes where drinking water is or was affected as a result of a release from this facility: none
5. Estimated distance and direction from point of release to nearest:
a. Private well: +1 mile south b. Municipal well: +1 mile south c. Surface water/wetland: 5000 ft WSW
7. Totals to date: a. cubic yards of soil remediated: none b. gallons of groundwater remediated: none
8. Michigan RBCA Site Classification (1-4): 4
9. Is an institutional control required for contamination that has migrated or will migrate off-site? ☐ Yes ☒ No
10. Proposed Institutional Control: ☐ None ☐ Notice of Corrective Action ☐ Restrictive Covenant ☐ Other

CERTIFICATION OF REPORT COMPLETION

I, the undersigned CP, hereby attest to the best of my knowledge and belief that the statements in this document and all attachments are true, accurate and complete. I certify that it was submitted to the USTD on 10/29/97.
(date submitted-REQUIRED)

David A. Lomas
CP Original Signature - Required

10/29/97
Date

David A. Lomas
PRINT QC Project Manager's Name

David A. Lomas
PRINT CP's Name

30800 Telegraph rd, Ste. 3858
Address

Bingham Farms, MI 48025

Parsons Engineering Science
Consultant
248.433.2700
Phone Number

248.433.0835
Fax Number

Fedex 87358 01196

OCT 0 1997

UNDERGROUND STORAGE TANK DIVISION OFFICES AND LOCATIONS

Determine in which county the UST is located. Return all completed forms and associated reports to the USTD office listed next to that county in the following table. Addresses for the USTD offices are listed below.

COUNTY	USTD OFFICE	COUNTY	USTD OFFICE	COUNTY	USTD OFFICE	COUNTY	USTD OFFICE
Alcona	Gaylord	Dickinson	Marquette	Lake	Cadillac	Oceana	Grand Rapids
Alger	Marquette	Eaton	Shiawassee	Lapeer	Shiawassee	Ogemaw	Gaylord
Allegan	Plainwell	Emmet	Gaylord	Leelanau	Cadillac	Ontonagon	Marquette
Alpena	Gaylord	Genesee	Shiawassee	Lenawee	Jackson	Osceola	Cadillac
Antrim	Gaylord	Gladwin	Gaylord	Livingston	Shiawassee	Oscoda	Gaylord
Arenac	Gaylord	Gogebic	Marquette	Luce	Marquette	Otsego	Gaylord
Baraga	Marquette	Grand Traverse	Cadillac	Mackinac	Marquette	Ottawa	Grand Rapids
Barry	Plainwell	Gratiot	Shiawassee	Macomb	SE Michigan	Presque Isle	Gaylord
Bay	Saginaw-Bay	Hillsdale	Jackson	Manistee	Cadillac	Roscommon	Gaylord
Benzie	Cadillac	Houghton	Marquette	Marquette	Marquette	Saginaw	Saginaw-Bay
Berrien	Plainwell	Huron	Saginaw-Bay	Mason	Cadillac	Sanilac	Saginaw-Bay
Branch	Jackson	Ingham	Shiawassee	Mecosta	Grand Rapids	Schoolcraft	Marquette
Calhoun	Jackson	Ionia	Grand Rapids	Menominee	Marquette	Shiawassee	Shiawassee
Cass	Plainwell	Iosco	Gaylord	Midland	Saginaw-Bay	St Clair	SE Michigan
Charlevoix	Gaylord	Iron	Marquette	Missaukee	Cadillac	St Joseph	Plainwell
Cheboygan	Gaylord	Isabella	Saginaw-Bay	Monroe	SE Michigan	Tuscola	Saginaw-Bay
Chippewa	Marquette	Jackson	Jackson	Montcalm	Grand Rapids	Van Buren	Plainwell
Clare	Gaylord	Kalamazoo	Plainwell	Montmorency	Gaylord	Washtenaw	Jackson
Clinton	Shiawassee	Kalkaska	Cadillac	Muskegon	Grand Rapids	Wayne	SE Michigan
Crawford	Gaylord	Kent	Grand Rapids	Newaygo	Grand Rapids	Detroit	Detroit
Delta	Marquette	Keweenaw	Marquette	Oakland	SE Michigan	Highland Park	Detroit
						Hamtramck	Detroit
						Wexford	Cadillac

<u>CADILLAC OFFICE</u> 120 W CHAPIN ST CADILLAC MI 49601 616-775-3960 (PHONE) 616-775-1511 (FAX)	<u>DETROIT OFFICE</u> 300 RIVERPLACE, SUITE 3600 DETROIT MI 48207 313-392-6480 (PHONE) 313-392-6488 (FAX)	<u>PLAINWELL OFFICE</u> 1342 SR-89 WEST, SUITE B PLAINWELL MI 49080-1915 616-692-2120 (PHONE) 616-692-3050 (FAX)
<u>GAYLORD OFFICE</u> 1732 W M-32, PO BOX 667 GAYLORD MI 49735 517-731-4920 (PHONE) 517-731-6181 (FAX)	<u>JACKSON OFFICE</u> 301 E LOUIS GLICK HIGHWAY JACKSON MI 49201 517-780-7690 (PHONE) 517-780-7855 (FAX)	<u>SAGINAW-BAY OFFICE</u> 503 N EUCLID AVE SUITE 9 BAY CITY MI 48706 517-686-8025 (PHONE) 517-684-9799 (FAX)
<u>GRAND RAPIDS OFFICE</u> 350 OTTAWA ST NW 6TH FLOOR GRAND RAPIDS MI 49503-2341 616-456-5071 (PHONE) 616-456-1239 (FAX)	<u>MARQUETTE OFFICE</u> 1990 US 41 SOUTH MARQUETTE MI 49855 906-228-6561 (PHONE) 906-228-5245 (FAX)	<u>SHIAWASSEE OFFICE</u> 10650 BENNETT DR MORRICE MI 48857-9792 517-625-5515 (PHONE) 517-625-5000 (FAX)
<u>SE MICHIGAN OFFICE</u> 38980 SEVEN MILE RD LIVONIA MI 48152 313-953-0241 (PHONE) 313-432-1295 (FAX)	<u>HEADQUARTERS</u> 333 S CAPITOL AVE PO BOX 30157 LANSING MI 48909-7657 517-373-8168 (PHONE) 517-335-2245 (FAX)	

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LIST OF ATTACHMENTS

(Include as Required and Check Box if Attached)

Attachments 1, 2, 6-12, 16-18, and 22-28 are to be submitted if applicable.

Attachments 3-5, 13-15, and 19-21 are found in the back of this document and should be completed and submitted when necessary.

**ATTACHMENT DESCRIPTION
NUMBER**

- | ATTACHMENT
NUMBER | DESCRIPTION |
|--|--|
| 1 ☐ | Site Map Showing Extent of Remaining Free Product |
| 2 ☐ | Free Product Recovery System Schematic |
| 3 ☐ | Field Screening Results Table for Soils |
| 4 ☒ | Laboratory Results Table for Soils |
| 5 ☒ | Tier I RBSL / Tier II or Tier III SSTL Comparison Table for Soils |
| 6 ☒ | Site Map Showing Soil Sampling Locations, Maximum Contaminant Concentrations, and Sampling Depths |
| 7 ☐ | Site Map(s) Showing Vertical and Horizontal Distribution of Contaminants in Soil |
| 8 ☐ | Cross Sections Showing the Vertical and Horizontal Distribution of Soil Contaminants |
| 9 ☒ | Soil Boring Logs |
| 10 ☐ | Well Construction Diagrams |
| 11 ☐ | Groundwater Flow Map Showing Water Level Measurement Locations |
| 12 ☐ | Description of Hydrogeologic Factors That Could Influence Groundwater Flow |
| 13 ☐ | Field Screening Results Table for Groundwater |
| 14 ☒ | Laboratory Results Table for Groundwater |
| 15 ☒ | Tier I RBSL / Tier II or Tier III SSTL Comparison Table for Groundwater |
| 16 ☒ | Site Map Showing Groundwater Sampling Locations, Maximum Contaminant Concentrations, and Location of Contaminant Plume |
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| 26 ☐ | Performance Monitoring Plan |
| 27 ☐ | Implementation Schedule for the Corrective Action |
| 28 ☐ | Map Locating the Individuals and Population Segments Provided Public Notice |

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

1.0 REPORTING AND RESPONSE TO RELEASES INVOLVING FREE PRODUCT

A. Has free product been encountered subsequent to submission of the Initial Assessment Report?
☐ Yes ☒ No

If "No", skip to Section 2.0. If "Yes", continue with question "B" below.

B. Date and Time Free Product Was Discovered: _____ / _____ / _____
AM / PM

C. Date and Time Free Product Fax
Transmittal Sheet Submitted:
_____ / _____ / _____ AM / PM

D. Has there ever been free product in the on-site or off-site soils? ☐ Yes
☐ No

E. Is there currently free product in the on-site or off-site soils? ☐ Yes
☐ No

F. Is there currently free product in or around buried underground utilities? ☐ Yes
☐ No

G. Has there ever been free product on/in the groundwater? ☐ Yes
☐ No

H. Is there currently free product on/in the groundwater? ☐ Yes
☐ No

I. What initial response actions were performed at this site to address the presence of free product?

PURPOSE OF INITIAL RESPONSE ACTIONS	WERE ACTIONS TAKEN? (Yes/Date or No)	IF "Yes", DESCRIBE THE ACTIONS TAKEN AND THEIR RESULTS IF "No", INDICATE WHY NOT
To identify the presence of free product [324.21307(2)(c)]		
To recover free product in a manner that minimizes the spread of contamination into previously uncontaminated zones [324.21307(2)(c)(i)]		
To utilize recovery and disposal techniques appropriate to site conditions [324.21307(2)(c)(i)]		
To properly treat recovery by- products as required by law (identify the type of treatment applied and the expected effluent quality) [324.21307(2)(c)(i)]		

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

1.0 REPORTING AND RESPONSE TO RELEASES INVOLVING FREE PRODUCT (Continued)

PURPOSE OF INITIAL RESPONSE ACTIONS	WERE ACTIONS TAKEN? (Yes/Date or No)	IF "Yes", DESCRIBE THE ACTIONS TAKEN AND THEIR RESULTS. IF "No", INDICATE WHY NOT
To properly dispose of recovery by-products as required by law [324.21307(2)(c)(i)]		
To handle any flammable products in a safe and competent manner to prevent fires and explosions [324.21307(2)(c)(iii)]		

J. Complete the following table relating to free product recovery:

LOCATION OF OBSERVED FREE PRODUCT (Specify ID No.)	THICKNESS OF FREE PRODUCT OBSERVED (nearest 1/8")	TYPE OF FREE PRODUCT OBSERVED	LNAPL OR DNAPL*?	QUANTITY OF FREE PRODUCT RECOVERED (gallons)
IN WELLS				
IN BOREHOLES				
IN EXCAVATIONS				
OTHER LOCATIONS (Specify)				
TOTAL FREE PRODUCT RECOVERED TO DATE				

*LNAPL = Light Non-Aqueous Phase Liquid; DNAPL = Dense Non-Aqueous Phase Liquid

K. Has the extent of free product been defined?

☐ No

☐ Yes

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

1.0 REPORTING AND RESPONSE TO RELEASES INVOLVING FREE PRODUCT (Continued)

L. If "Yes", include the extent of free product on the site map included as Attachment No. 1.

M. Describe the free product recovery system that was or is being used ☐ or is proposed ☐
(include a schematic as Attachment No. 2, if appropriate): _____

N. If the free product recovery system is currently "proposed", provide the planned installation date:

____/____/____

O. Has the recovered free product been properly disposed?

☐ Yes

☐ No

P. If "No", specify: _____

Q. Provide the name of the person or persons responsible for implementing the free product removal measures:

Company Name _____

Company Address _____

Company Telephone No. ____ (____) _____

Contact Person _____

Contact Telephone No. ____ (____) _____

2.0 DELINEATION OF THE EXTENT OF CONTAMINATION

A. Were additional site assessment activities conducted subsequent to the submission of the Initial Assessment Report? ☒ Yes ☐ No

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

2.0 DELINEATION OF THE EXTENT OF CONTAMINATION (Continued)

B. If "Yes", what environmental media were further investigated? (Check all that apply):

☒ Soil ☒ Groundwater ☐ Air ☐ Surface

Water

☐ Sediments ☐ Biota ☐ Other (Specify):

C. Was the Work Plan implemented as outlined in the Initial Assessment Report? ☒

Yes ☐
No

D. If "No", describe the changes made to the sampling and analysis plan in detail and provide justification for why they were made (attach additional sheets, as needed):

2.1 SITE AND AREA MAPS (Note that all utilities are in the alleyway.)

Area and site map(s), drawn to scale, may be used to effectively present a variety of information required to be included in this Final Assessment Report. It may not be possible to include all required information on one map. Multiple maps may be attached, with each highlighting a different type of information. However, use of multiple maps should be minimized. Placement of information on the site map(s) should be done in a clear and legible manner. The area map should show the location of the site boundaries in relation to the nearest major roads.

The base site map on which to display information required for the Final Assessment Report should include the following, as appropriate:

- *Location of each underground storage tank and associated piping in the leaking underground storage tank system (prior to excavation if tanks have been removed)*
- *Location of the release and the component of the underground storage tank system from which the release occurred*
- *Location of any other existing and former underground storage tanks at the site*
- *Approximate location of fill ports, dispensers, and other pertinent system components*
- *Location of nearby buildings, roadways, paved areas, or other structures*
- *Location of nearby surface waters or wetlands*
- *Location and depth of nearby underground sewers and utility lines*
- *Location of all wells within 100 feet of the property boundary*

2.2 SOIL CONDITIONS AND CHARACTERISTICS

A. Is soil contamination present?

☒ Yes

☐ No

NOTE: If "Yes", complete questions "B" through "H". If "No", skip to Section 2.3.

B. Total volume of soil remediated or disposed to date:

 0 yds³

C. Describe any soil remediation or disposal activities performed to date: _____

D. Attach Field Screening Results (Attachment No. 3) and Laboratory Results (Attachment No. 4) tables showing the results of all soil sampling performed to date for the listed parameters.

(NOTE: The USTD may request copies of the laboratory data sheets, chain-of-custody forms, and all available QA/QC information.)

E. Provide in the Comparison Table for Soils (included as Attachment No. 5) the maximum contaminant concentrations detected to date in the remaining soils for each listed parameter.

(NOTE: Enter "ND" with the appropriate method detection limit when the parameter was not detected, and enter "NA" when the chemical was not analyzed. In areas where remediation has occurred, do not include sample results for areas where the soil has been subsequently removed or the characteristics of the soil left in place have been altered due to the remediation.)

F. Show the maximum concentrations, sample depths, and horizontal extent of soil contamination in relation to the soil sampling locations on a site map. *(Include as Attachment No. 6.)*

G. Describe the vertical extent and distribution of the soil contaminants using depth-coded site maps (Attachment No. 7), cross sections (Attachment No. 8), and/or boring logs (Attachment No. 9):

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

2.2 SOIL CONDITIONS AND CHARACTERISTICS (Continued)

H. Was any on-site soil contamination not related to the release discovered during the site characterization activities performed subsequent to the submission of the Initial Assessment Report?

☐ Yes
☒ No

If "Yes", answer question "I"; otherwise, skip to Section 2.3.

I. Provide the following information:

ON-SITE CONTAMINANTS NOT RELATED TO THE RELEASE	SOURCE OF THIS CONTAMINATION (If Known)	LOCATION OF THIS CONTAMINATION

2.3 GROUNDWATER CONDITIONS AND CHARACTERISTICS

A. Has groundwater been encountered at the site? ☒ Yes
☐ No Note that it took more than two hours to recover 1 liter of water from SB014, therefore water is not available in useful quantities and it is not considered an aquifer.

B. If "No", provide the total depth investigated and the date of investigation:

Depth of Investigation: _____ ft BGS
Date of Investigation: _____ / _____ / _____

If "No", skip to Section 2.4; otherwise, continue with Section 2.3.

C. Is the groundwater potable? ☐ Yes ☒ No
D. Is the groundwater currently a source of drinking water? ☐ Yes ☒ No
E. Is groundwater being used for a purpose other than potable drinking use? ☐ Yes ☒ No
F. Is more than one groundwater unit present beneath the site? ☐ Yes ☐ No
☒ Unknown

Hydrogeologic Characteristics (if appropriate):

G. Average depth to groundwater (as measured in site well(s)): _____ 16-18 ft BGS
H. Depth to bottom of water-bearing layer: _____ ft BGS
I. Depth to a potable groundwater unit: _____ ft BGS
J. Attach copies of boring logs (Attachment No. 9) and well construction diagrams (Attachment No. 10) for all monitoring wells.

Groundwater Flow Rate and Direction:

K. Predominant soil type in water-bearing stratum (e.g., sand, silt): sand seams
L. Effective porosity of water-bearing stratum _____ cm³ void/cm³ soil

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

2.3 GROUNDWATER CONDITIONS AND CHARACTERISTICS (Continued)

M. Hydraulic conductivity (☐ measured ☐ estimated): _____
cm/sec

N. Lateral hydraulic flow gradient (*attach a site map with groundwater flow direction and elevation data as Attachment No. 11 - USGS datum preferred*): _____
ft/ft

O. Effective groundwater flow rate: _____ to _____ (direction)
ft/yr

P. Identify hydrogeologic conditions that could influence flow direction (*describe here or attach description as Attachment No. 12*) _____

Q. Is there any indication of a vertical flow gradient? ☐ Yes ☒ No

R. If "Yes", describe: _____

S. Has the groundwater been affected by the release? ☒ Yes ☐ No

If "No", skip to Section 2.4; otherwise, continue with Section 2.3.

T. Has there been more than one groundwater unit contaminated by the release?
☐ Yes ☒ No

U. If "Yes", attach additional sheets answering questions "G" through "R" for each groundwater unit.

V. Describe any groundwater remediation activities performed to date: _____

See 2.3A

W. Total volume of groundwater remediated to date: _____ 0 _____ gallons

X. Does the known plume currently extend off-site? ☐ Yes ☐ No ☒ Unknown

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

2.3 GROUNDWATER CONDITIONS AND CHARACTERISTICS (Continued)

Y. Attach Field Screening Results (Attachment No. 13) and Laboratory Results (Attachment No. 14) tables showing the results of all groundwater sampling performed to date for the listed parameters. *(NOTE: The USTD may request copies of the laboratory data sheets, chain-of-custody forms, and all available QA/QC information.)*

Z. Provide in the Comparison Table for Groundwater (Attachment No. 15) the maximum contaminant concentrations detected to date in the on-site or off-site groundwater for each listed parameter. *(NOTE: Enter "ND" with the appropriate method detection limit when the parameter was not detected, and enter "NA" when the chemical was not analyzed. In areas where remediation has occurred, do not include sample results for areas where the groundwater has been subsequently altered due to remediation.)*

AA. Show the maximum concentrations and the estimated aerial horizontal extent of the contaminated plume in relation to the groundwater sampling locations on the site map and include as Attachment No. 16.

BB. Describe the vertical extent and distribution of the groundwater contaminants using depth-coded cross sections (Attachment No. 17) that show screened intervals of the monitoring wells. Cross sections locations should be included on the site map: _____

CC. Were multiple groundwater sampling events conducted at the site? ☐ Yes
☒ No

DD. If "Yes", include a chronological summary of the results for each sampling location using the data tables provided in Attachment No. 14 and include as Attachment No. 18.

2.4 CONDITIONS AND CHARACTERISTICS IN OTHER ENVIRONMENTAL MEDIA

A. Is contamination present in any environmental media other than soil or groundwater? ☐ Yes ☒ No

NOTE: If "Yes", answer questions "B" through "I". If "No", skip to Section 3.0.

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)
2.4 CONDITIONS AND CHARACTERISTICS IN OTHER ENVIRONMENTAL MEDIA (Continued)

B. What other environmental media were investigated as part of this corrective action?

(Check all that apply):

☐ Air

☐ Surface Water

☐ Sediment

☐ Biota

☐ Other (*Specify*): _____

NOTE: For each environmental media checked, answer questions "C" through "I".

C. Total volume of each of the other specified media remediated or disposed to date
(Specify units): _____

D. Describe any remediation, treatment or disposal activities performed to date relative to each of the other specified media: _____

E. Attach Field Screening Results (Attachment No. 19) and Laboratory Results (Attachment No. 20) tables showing the results of all sampling performed to date for the listed parameters in the other specified environmental media. *(NOTE: The USTD may request copies of the laboratory data sheets, chain-of-custody forms, and all available QA/QC information.)*

F. Provide in the Comparison Table for Other Environmental Media (Attachment No. 21) the maximum contaminant concentrations detected to date in each other specified environmental media for each listed parameter. *(NOTE: Enter "ND" with the appropriate method detection limit when the parameter was not detected, and enter "NA" when the chemical was not analyzed. In areas where remediation has occurred, do not include sample results for areas where the material has been subsequently removed or the characteristics of the material left in place have been altered due to the remediation.)*

G. Show the maximum concentrations, sample depths, and extent of contamination in the other specified environmental media *(as appropriate)* in relation to the sampling locations on the site map included as Attachment No. 22.

H. Describe the extent and distribution of the contaminants in the other specified media: _____

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

2.4 CONDITIONS AND CHARACTERISTICS IN OTHER ENVIRONMENTAL MEDIA (Continued)

I. If there is known contamination in the other specified media not related to the release, complete the following:

ON-SITE CONTAMINANTS NOT RELATED TO THE RELEASE	SOURCE OF THIS CONTAMINATION (If Known)	LOCATION OF THIS CONTAMINATION

3.0 SITE CLASSIFICATION

A. Indicate the current Site Classification Level (*See Attachment No. 10 of the "Guidance Document for Risk-Based Corrective Action at Leaking Underground Storage Tanks"*):

- ☐ Class 1: Immediate threat to human health, safety, or sensitive environmental receptors
- ☐ Class 2: Short-term threat to human health, safety, or sensitive environmental receptors
- ☐ Class 3: Long-term threat to human health, safety, or sensitive environmental receptors
- ☒ Class 4: No demonstrable long-term threat to human health, safety, or sensitive environmental receptors

NOTE: Regardless of the classification level, all reports must be submitted within the legislative time frame unless an alternate schedule is approved in writing by the USTD.

B. Date of most recent classification or reclassification:

10/24/97

C. Is this classification a reclassification performed subsequent to the submission of the Initial Assessment Report? ☐ Yes ☒ No

D. If "Yes", describe the conditions that have changed significantly since the prior classification to justify the reclassification: _____

4.0

RESULTS OF THE TIER II OR TIER III EVALUATION

4.1

CONFIRMATION OF EXPOSURE PATHWAYS AND SCENARIOS

A. Have any of the following site characteristics or conditions, transport mechanisms, exposure routes, or potential receptors at the site or the surrounding area been newly identified to be present or changed significantly in character since the submission of the Initial Assessment Report? ☐ Yes ☒ No

B. If "Yes", check all that are newly identified or significantly changed since the submission of the Initial Assessment Report:

Site Characteristics or Conditions

- ☐ Neighboring Land Use or Local Zoning Changes
- ☐ New or Discontinued Uses of Groundwater At or Near the Site
- ☐ Changes in On-Site Facility Operations
- ☐ Construction of New Structures or Utilities At or Near the Site

Potential Transport Mechanism(s)

- ☐ Wind Erosion and Atmospheric Dispersion
- ☐ Volatilization and Atmospheric Dispersion
- ☐ Volatilization and Enclosed-Space Accumulation
- ☒ Leaching and Groundwater Transport
- ☐ Mobile Free-Liquid Migration
- ☐ Stormwater/Surface Water Transport
- ☐ Utility Corridors
- ☐ Other (*Specify*):

Potential Exposure Route(s)

- ☐ Soil Ingestion
- ☐ Direct Contact of Soil with Skin
- ☐ Inhalation of Airborne Particulates
- ☐ Inhalation of Volatiles
- ☐ Potable Water Use
- ☐ Use of Non-Potable Water
- ☐ Other (*Specify*):

Potential Receptor(s)

- ☐ Resident
- ☐ Commercial Worker III*
- ☐ Commercial Worker IV*
- ☐ Industrial Worker
- ☐ Construction Worker
- ☐ Sensitive Habitat
- ☐ Structures
- ☐ Utilities

FINAL ASSESSMENT REPORT (Continued)

4.1 CONFIRMATION OF EXPOSURE PATHWAYS AND SCENARIOS (Continued)

☐ Surface Waters ☐ Water Supply Wells ☐ Other

(Specify): _____

* As defined in Attachment No. 11 to the "Guidance Document for Risk-Based Corrective Action at Leaking Underground Storage Tanks"

C. For each item checked above, briefly describe the change and its potential impact on the selection of exposure route(s) and potential receptors for the Tier II or Tier III evaluation relative to the Tier I or Tier II evaluation included in the Initial Assessment Report (*use additional attached sheets, if necessary*): There is not enough groundwater available to justify the potable water exposure pathway or even the direct contact exposure pathway.

NOTE: A pathway must include three necessary elements:

- 1) a source (e.g., contamination);
- 2) a mechanism by which the contamination can become available to result in exposures at the source or via migration to other locations (e.g., free product and contaminated groundwater movement along a buried utility corridor); and
- 3) an individual who may come into contact, ingest, or inhale the contamination at the point of exposure (e.g., a utility maintenance worker digging to repair the line).

Examples include:

- 1) inhalation of soils by an on-site construction worker
- 2) impacted soils leaching into potable ground water and being used by a nearby resident for drinking and bathing
- 3) inhalation of vapors resulting from the migration of free product by a neighboring industrial worker
- 4) groundwater discharging to wetlands

D. List the most plausible potential residential exposure pathway(s) for the site: A house with a basement built immediately adjacent to the impacted zone. This is not really plausible, as the lot is expected to be commercially used and the soil type is not conducive to vapor movement.

E. List the most plausible potential commercial exposure pathway(s) for the site: None - all soil results over the direct contact criteria for soil and water.

F. List the most plausible potential industrial exposure pathway(s) for the site: None - all soil results over the direct contact criteria for soil and water.

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

4.1 CONFIRMATION OF EXPOSURE PATHWAYS AND SCENARIOS (Continued)

G. List the most plausible potential sensitive habitat exposure pathway(s) for the site:
none

**4.2 JUSTIFICATION FOR ALTERNATE ASSUMPTIONS OR MODELING
PARAMETER SELECTIONS**

A. Has a site-specific Tier II or Tier III evaluation been conducted for this Final Assessment Report?

No

B. If "Yes", identify and justify where alternate assumptions or site-specific information was used in place of the default assumptions as defined in Attachment No. 11 of the "Guidance Document For Risk-Based Corrective Action At Leaking Underground Storage Tanks". *(If a Tier II evaluation was performed and described in the Initial Assessment Report, explicitly indicate where different assumptions or site-specific information were used in this Tier II or Tier III evaluation and why the change was justified.)*

ASSUMPTION	DEFAULT TIER I OR PRIOR TIER II SELECTION	ALTERNATE SELECTION	JUSTIFICATION OR BASIS FOR SUBSTITUTION <i>(Attach sheets if needed)</i>

C. Include the calculations supporting the development of the relevant Tier I RBSLs and Tier II or Tier III SSTLs as Attachment No. 23.

4.3 IDENTIFICATION OF TIER I RISK-BASED SCREENING LEVELS OR TIER II / TIER III SITE-SPECIFIC TARGET LEVELS AND COMPARISON TO SITE DATA

A. For each contaminated medium, complete a Tier I RBSL / Tier II or Tier III SSTL Comparison Table (Attachment No. 5 for soil, Attachment No. 15 for groundwater and Attachment No. 21 for other media, as appropriate) by:

1. Checking the box associated with the applicable land use scenario;
2. Checking the boxes associated with the contaminants currently present at the site;
3. Entering the current maximum detected on-site or off-site concentration for each selected contaminant, along with the corresponding sample identification number and date of sampling;
4. Entering the lowest applicable RBSL value from the Tier I Look-Up Tables (*refer to Attachment No. 11 of the "Guidance Document For Risk-Based Corrective Action At Leaking Underground Storage Tanks"*) for the specific exposure routes present and environmental medium being considered or a corresponding optional Tier II SSTL. *[NOTE: Include the exposure route code that identifies the basis for each applicable criterion noted. For example, 12 ug/kg (A) for a cleanup goal based on the direct contact with soil exposure route, and 12 ug/kg (B) for a cleanup goal based on the soil leaching to groundwater exposure route];*
5. Comparing the contaminant-specific maximum concentration to the corresponding RBSL or SSTL criterion; and
6. Identifying and recording whether or not there is an exceedence of the RBSL or the SSTL.

B. Tier I RBSL / Tier II or Tier III SSTL Comparison Tables are attached for the following (*Check all that apply*):

LAND USE	ENVIRONMENTAL MEDIUM		
	SOIL	GROUNDWATER	OTHER (<i>Specify</i>)
Residential	☒	☒	☐
Commercial III	☐	☐	☐
Commercial IV	☐	☐	☐
Industrial	☐	☐	☐

4.4 **PROPOSED FOLLOW-UP ACTIVITIES**

A. Based on the results of the Tier II or III evaluation, indicate the follow-up activities proposed for the site:

☐ Site conditions do not exceed the relevant Tier I RBSLs or the calculated Tier II/ Tier III SSTLs do not rely on institutional controls	Proceed with site closure. No further sections of Final Assessment Report need to be completed.
☒ Site conditions exceed some or all of the relevant Tier I RBSLs or Tier II/Tier III SSTLs	Propose final corrective action to achieve Tier I RBSLs or Tier II/Tier III SSTLs. Continue with Section 5.0.

5.0 **FEASIBILITY ANALYSIS**

A. As appropriate, given the site conditions, complete the following comparison table of the potentially applicable corrective actions that were considered for the facility to reduce the volume, toxicity and/or mobility of the released regulated substances (*both on-site and off-site, as applicable*), noting the principal advantages and disadvantages of each listed alternative. (*Indicate explicitly, where appropriate, the relative estimated net present value cost of each alternative corrective action, its indicated effectiveness and feasibility, and the time needed to implement and complete the alternative. Attach additional sheets, if necessary.*)

CORRECTIVE ACTION ALTERNATIVES	PRINCIPAL ADVANTAGES	PRINCIPAL DISADVANTAGES
See Section 6.1A		

5.0 FEASIBILITY ANALYSIS (Continued)

B. Identify and briefly describe the preferred alternative. *(Attach additional sheets, if needed. Document the rationale for selecting this option by discussing how the selected remedial action will:*

- *Be protective of human health and the environment*
 - *Comply with applicable or relevant and appropriate requirements*
 - *Meet the requirements of the Risk-Based Corrective Action process*
 - *Be a permanent solution (to the maximum extent possible)*
 - *Be cost-effective)*
-
-
-
-

C. Has a pilot study been conducted to demonstrate the performance of any component or subsystem associated with the corrective action? ☐ Yes ☐ No

D. If "Yes", describe the pilot study or testing that was conducted and present the results *(attach additional sheets, if necessary)*:

E. If a pilot study or testing was not conducted, explain why they were not needed:

6.0 CORRECTIVE ACTION PLAN

6.1 DESCRIPTION OF THE CORRECTIVE ACTION

A. Describe the overall program and the primary components of the selected corrective action to be implemented at the facility *(attach additional sheets, if necessary)*:

Corrective action alternatives are to be further studied and a Corrective Action Plan will be submitted as an addendum to the FAR within 120 days.

B. Include a schematic drawing of the remedial system to be employed (Attachment No. 24).

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

6.1 DESCRIPTION OF THE CORRECTIVE ACTION (Continued)

C. Include maps depicting capture zones/zones of influence, system layout, and anticipated system rates (Attachment No. 25).

D. From Attachment No. 12 to the "Guidance Document for Risk-Based Corrective Action at Leaking Underground Storage Tanks" (*entitled "Guidance for Parameters, Analytical Methods, Sample Handling, Quality Control, and Cleanup Limits for Petroleum Hydrocarbon Releases"*), specify and justify the indicator parameters to be used (*if applicable*) to evaluate the implementation of the Corrective Action Plan. (*For each indicator parameter, identify the corresponding cleanup goal and the basis of the cleanup goal.*)

INDICATOR PARAMETER / Rationale for Selection	IDENTIFIED CLEANUP GOAL	UNITS (ug/kg or ug/l)	BASIS OF THE CLEANUP GOAL

6.2 AMBIENT AIR QUALITY MONITORING ACTIVITIES

A. Will ambient air quality be monitored during the implementation of the corrective action?

☐ Yes ☐ No

B. If "No", explain why air monitoring is not needed: _____

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

6.2 AMBIENT AIR QUALITY MONITORING ACTIVITIES (Continued)

C. If "Yes", describe the air quality monitoring to be conducted during the corrective action:

PARAMETERS TO BE MONITORED	ACTION LEVEL (Basis for Action Level)	MONITORING DEVICE TO BE USED	MONITORING FREQUENCY	PROCEDURE TO BE FOLLOWED IF ACTION LEVEL EXCEEDED

6.3 PLANS FOR OPERATION AND MAINTENANCE

A. Does any equipment or system associated with the corrective action need to be operated or maintained in order for the RBSLs or SSTLs to be met? ☐ Yes ☐ No

(NOTE: The USTD may request that operation and maintenance information and procedures for this equipment or systems be developed as identified in Section 21309(2)(b).)

6.4 PLANS FOR PERFORMANCE MONITORING

A. Does meeting the cleanup goals depend on the performance of a treatment system or a system for controlling the further release or migration of contaminants? ☐ Yes ☐ No

If "No", skip to Section 6.5.

B. Identify the environmental media to be monitored during the corrective action
(Check all that apply):

ENVIRONMENTAL MEDIA TO BE MONITORED	ON-SITE	OFF-SITE
Soil		
Groundwater		
Surface Water		
Other (Specify): _____		

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

6.4 PLANS FOR PERFORMANCE MONITORING (Continued)

C. Provide the following information regarding the plan for performance monitoring which is included as Attachment No. 26:

REQUIRED INFORMATION OR CONTENTS	INCLUDED IN THE MONITORING PLAN? (Yes or No)	IDENTIFY SECTION(S) / PAGE(S) WITHIN THE MONITORING PLAN WHERE THE SPECIFIED INFORMATION IS PRESENTED
Location of monitoring points (Include a site map with locations marked) [324.21309a(2)(c)(i)]		
Monitoring frequency and schedule [324.21309a(2)(c)(iii)]		
Monitoring methodology and sample collection procedures [324.21309a(2)(c)(iv)]		
Monitoring parameters to be used as indicators, and the rationale for their selection [324.21309a(2)(c)(v)]		
Laboratory name, analytical method to be employed, method detection limits, and practical quantitation limits [324.21309a(2)(c)(vi)]		
Quality assurance/ quality control (QA/QC) procedures and measures to be employed [324.21309a(2)(c)(vii)]		
Description of how the monitoring data will be presented and analyzed to demonstrate the effectiveness of the corrective action [324.21309a(2)(c)(viii) and (xi)]		
Operation and maintenance provisions for the monitoring activities [324.21309a(2)(c)(x)]		
Any contingency planning to address ineffective monitoring [324.21309a(2)(c)(ix)]		
Other information requested by USTD [324.21309a(2)(c)(xii)] (<i>Specify, if applicable</i>): _____ _____ _____ _____		

NOTE: The USTD must be notified immediately if ineffective corrective action is indicated by monitoring activities.

A. Attach the schedule for implementing the corrective action (Include as Attachment No. 27. Reflect sufficient detail, a breakdown of the overall program into subcomponents, and the identification of key interim milestones (e.g., proposed submittal dates for Public Notice, Notice of Corrective Action, etc.) to demonstrate that the corrective action is implementable and has been adequately planned.)

6.6 NOTICES AND RESTRICTIONS

If "No", skip to Section 6.7; otherwise, answer questions "B" through "F" below.

☐ Restrictive Covenant [324.21310a(2)] ☐ Other Mechanisms [324.21310a(3)]

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6.6 NOTICES AND RESTRICTIONS (Continued)

D. If "No", provide an explanation: _____

E. Describe all land use and/or resource limitations associated with the planned corrective action: _____

F. Identify the individuals or segments of the public to be provided notice of the proposed land use restrictions or limitations to be placed on resource use. *(Include a map showing location(s) of the individuals or segments of the public to be notified, if appropriate, as Attachment No. 28):*

6.7 FINANCIAL ASSURANCE MECHANISM

A. Has a financial assurance agreement, as provided for in R29.2161 to R29.2169 of the Michigan Administrative Code, been included for approval by the USTD to assure the effectiveness and integrity of the corrective action? ☐ Yes ☒ No

B. If "No", provide an explanation: Corrective Action Alternative not yet selected

If "Yes", provide the following:

C. Date the financial assurance mechanism was submitted to USTD:

_____/_____/_____

D. Amount of the financial assurance mechanism: _____ \$

E. Coverage of the financial assurance mechanism
(check all that apply):

☐ Monitoring
☐ Oversight

☐ Operation and Maintenance
☐ Other

(Specify): _____

6.8

PERMITTING AND APPROVAL REQUIREMENTS

A. Will the corrective action result in any discharge during its implementation?

☐ Yes ☐ No

If "No", no more information is necessary; if "Yes", continue with questions "B" and "C".

B. Describe the activity(s) representing the source of the discharge: _____

C. Provide the following information regarding the planned discharges:

SOURCE OF THE DISCHARGE	LOCATION OF THE DISCHARGE POINT (Attach a Site Map, if applicable)	WILL TREATMENT BE PERFORMED PRIOR TO DISCHARGE? IF SO, DESCRIBE.	ARE PERMITS REQUIRED FOR DISCHARGE? IF SO, DESCRIBE WHAT STEPS HAVE BEEN TAKEN TO OBTAIN THEM.

ATTACHMENT 4
SOIL ANALYTICAL RESULTS

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 4

LABORATORY RESULTS SOIL

FACILITY NAME GM - LENOX UST

FACILITY NUMBER 5-001946

VOLATILES										
Sample ID	SB014		SB014		SB015		SB015		SB016	
Sample Depth (feet BGS)	10-12		16-18		10-12		14-16		10-12	
Date Collected	10/10/97		10/10/97		10/10/97		10/10/97		10/10/97	
Date Extracted										
Date Analyzed										
Analytical Method No.	8020A		8020A		8020A		8020A		8020A	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Benzene	43	6	ND	6	2100	6	1500	6	7	6
☐ Toluene	68	6	ND	6	400	6	1000	6	ND	6
☐ Ethylbenzene	270	6	10	6	3600	6	120	6	120	6
☐ Total Xylenes	560	6	29	6	8100	6	183	6	69	6
☐ MTBE										
POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB014		SB014		SB015		SB015		SB016	
Sample Depth (feet BGS)	10-12		16-18		10-12		14-16		10-12	
Date Collected	10/10/97		10/10/97		10/10/97		10/10/97		10/10/97	
Date Extracted	10/17/97		10/17/97		10/17/97		10/17/97		10/17/97	
Date Analyzed	10/21/97		10/21/97		10/21/97		10/21/97		10/21/97	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Acenaphthene	ND	1100	ND	1100	1600	1100	ND	1100	ND	1100
☐ Acenaphthylene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Anthracene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Benzo(a)anthracene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Benzo(a)pyrene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Benzo(b)fluoranthene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Benzo(g,h,i)perylene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Benzo(k)fluoranthene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100

BGS=Below Ground Surface

*Collection Method Codes (list all that apply); Grab Sample (GS), Split Spoon(SS), Hand Auger(HA), Geoprobe(GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch(HP)

If Other (OT), Specify here: _____

MDL= Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 4 (Continued page 2 of 4)

LABORATORY RESULTS SOIL

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB014		SB014		SB015		SB015		SB016	
Sample Depth (feet BGS)	10-12		16-18		10-12		14-16		10-12	
Date Collected	10/10/97		10/10/97		10/10/97		10/10/97		10/10/97	
Date Extracted	10/17/97		10/17/97		10/17/97		10/17/97		10/17/97	
Date Analyzed	10/21/97		10/21/97		10/21/97		10/21/97		10/21/97	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Chrysene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Dibenzo(a,h)anthracene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Fluoranthene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Fluorene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Indeno(1,2,3- cd)pyrene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Naphthalene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Phenanthrene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Pyrene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
METALS										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.	7421		7421		7421		7421		7421	
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Cadmium										
☐ Chromium III										
☐ Chromium VI										
☐ Total Lead	7630	110	5670	110	8030	120	4460	110	4420	110

BGS=Below Ground Surface

*Collection Method Codes (list all that apply); Grab Sample (GS), Split Spoon(SS), Hand Auger(HA), Geoprobe(GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch(HP)

If Other (OT), Specify here: _____

MDL= Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 4 (Continued page 3 of 4)

LABORATORY RESULTS SOIL

FACILITY NAME GM-LENOX UST

FACILITY NUMBER 5-001946

PCBs										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.										
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Aroclor 1016										
☐ Aroclor 1221										
☐ Aroclor 1232										
☐ Aroclor 1242										
☐ Aroclor 1248										
☐ Aroclor 1254										
☐ Aroclor 1280										
HALOGENATED HYDROCARBONS										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.										
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Carbon Tetrachloride										
☐ 1,1-Dichloroethane										
☐ 1,2-Dichloroethane										
☐ 1,1-Dichloroethylene										

BGS=Below Ground Surface

*Collection Method Codes (list all that apply); Grab Sample (GS), Split Spoon(SS), Hand Auger(HA), Geoprobe(GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch(HP)

If Other (OT), Specify here: _____

MDL= Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 4 (Continued page 4 of 4)

LABORATORY RESULTS SOIL

FACILITY NAME GM- LENOX UST

FACILITY NUMBER 5-001946

HALOGENATED HYDROCARBONS										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.										
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ cis-1,2-Dichloroethylene										
☐ trans-1,2-ichloroethylene										
☐ Tetrachloroethylene										
☐ 1,1,2-Trichloroethane										
OTHER (Specify)										
Sample ID	SB014		SB014		SB015		SB015		SB016	
Sample Depth (feet BGS)	10-12		16-18		10-12		14-16		10-12	
Date Collected	10/10/97		10/10/97		10/10/97		10/10/97		10/10/97	
Date Extracted	10/17/97		10/17/97		10/17/97		10/17/97		10/17/97	
Date Analyzed	10/21/97		10/21/97		10/21/97		10/21/97		10/21/97	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ 1-METHYLNAPHTHALENE	ND	1100	ND	1100	1400	1100	ND	1100	ND	1100
☐ 2-METHYLNAPHTHALENE	ND	1100	ND	1100	9100	1100	ND	1100	ND	1100
☐										
☐										
☐										
☐										
☐										

BGS=Below Ground Surface

*Collection Method Codes (list all that apply); Grab Sample (GS), Split Spoon(SS), Hand Auger(HA), Geoprobe(GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch(HP)

If Other (OT), Specify here: _____

MDL= Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 4

LABORATORY RESULTS SOIL

FACILITY NAME, GM - LENOX UST _____

FACILITY NUMBER 5-001946

VOLATILES										
Sample ID	SB016		SB017		SB017		SB018		SB018	
Sample Depth (feet BGS)	14-16		8-10		16-18		10-12		14-16	
Date Collected	10/10/97		10/10/97		10/10/97		10/10/97		10/10/97	
Date Extracted										
Date Analyzed										
Analytical Method No.	8020A		8020A		8020A		8020A		8020A	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Benzene	ND	5	200	25	ND	5	ND	5	ND	5
☐ Toluene	ND	5	440	25	ND	5	ND	5	ND	5
☐ Ethylbenzene	ND	5	3100	25	ND	5	ND	5	ND	5
☐ Total Xylenes	ND	5	11092	25	ND	5	ND	5	ND	5
☐ MTBE										
POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB016		SB017		SB017		SB018		SB018	
Sample Depth (feet BGS)	14-16		8-10		16-18		10-12		14-16	
Date Collected	10/10/97		10/10/97		10/10/97		10/10/97		10/10/97	
Date Extracted	10/17/97		10/17/97		10/17/97		10/17/97		10/17/97	
Date Analyzed	10/21/97		10/21/97		10/21/97		10/21/97		10/21/97	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Acenaphthene	ND	1100	ND	1100	1600	1100	ND	1100	ND	1100
☐ Acenaphthylene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Anthracene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Benzo(a)anthracene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Benzo(a)pyrene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Benzo(b)fluoranthene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Benzo(g,h,i)perylene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Benzo(k)fluoranthene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100

BGS=Below Ground Surface

*Collection Method Codes (list all that apply); Grab Sample (GS), Split Spoon(SS), Hand Auger(HA), Geoprobe(GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch(HP)

If Other (OT), Specify here: _____

MDL= Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 4 (Continued page 2 of 4)

LABORATORY RESULTS SOIL

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB016		SB017		SB017		SB018		SB018	
Sample Depth (feet BGS)	14-16		8-10		16-18		10-12		14-16	
Date Collected	10/10/97		10/10/97		10/10/97		10/10/97		10/10/97	
Date Extracted	10/17/97		10/17/97		10/17/97		10/17/97		10/17/97	
Date Analyzed	10/21/97		10/21/97		10/21/97		10/21/97		10/21/97	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Chrysene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Dibenzo(a,h)anthracene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Fluoranthene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Fluorene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Indeno(1,2,3-cd)pyrene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Naphthalene	ND	1100	1700	1100	ND	1100	ND	1100	ND	1100
☐ Phenanthrene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
☐ Pyrene	ND	1100	ND	1100	ND	1100	ND	1100	ND	1100
METALS										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.	7421		7421		7421		7421		7421	
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Cadmium										
☐ Chromium III										
☐ Chromium VI										
☐ Total Lead	5330	110	8380	120	4780	110	6340	110	5000	110

BGS=Below Ground Surface

*Collection Method Codes (list all that apply); Grab Sample (GS), Split Spoon(SS), Hand Auger(HA), Geoprobe(GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch(HP)

If Other (OT), Specify here: _____

MDL= Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 4 (Continued page 3 of 4)

LABORATORY RESULTS SOIL

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

PCBs										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.										
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Aroclor 1016										
☐ Aroclor 1221										
☐ Aroclor 1232										
☐ Aroclor 1242										
☐ Aroclor 1248										
☐ Aroclor 1254										
☐ Aroclor 1280										
HALOGENATED HYDROCARBONS										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.										
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Carbon Tetrachloride										
☐ 1,1-Dichloroethane										
☐ 1,2-Dichloroethane										
☐ 1,1-Dichloroethylene										

BGS=Below Ground Surface

*Collection Method Codes (list all that apply); Grab Sample (GS), Split Spoon(SS), Hand Auger(HA), Geoprobe(GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch(HP)

If Other (OT), Specify here: _____

MDL= Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 4 (Continued page 4 of 4)

LABORATORY RESULTS SOIL

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

HALOGENATED HYDROCARBONS										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.										
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ cis-1,2-Dichloroethylene										
☐ trans-1,2-ichloroethylene										
☐ Tetrachloroethylene										
☐ 1,1,2-Trichloroethane										
OTHER (Specify)										
Sample ID	SB014		SB014		SB015		SB015		SB016	
Sample Depth (feet BGS)	10-12		16-18		10-12		14-16		10-12	
Date Collected	10/10/97		10/10/97		10/10/97		10/10/97		10/10/97	
Date Extracted	10/17/97		10/17/97		10/17/97		10/17/97		10/17/97	
Date Analyzed	10/21/97		10/21/97		10/21/97		10/21/97		10/21/97	
Analytical Method No.	8310		8310		8310		8310		8310	
Collection Method*	GP		GP		GP		GP		GP	
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ 1-METHYLNAPHTHALENE	ND	1100	2800	1200	1400	1100	ND	1100	ND	1100
☐ 2-METHYLNAPHTHALENE	ND	1100	13000	1200	9100	1100	ND	1100	ND	1100
☐										
☐										
☐										
☐										
☐										

BGS=Below Ground Surface

*Collection Method Codes (list all that apply); Grab Sample (GS), Split Spoon(SS), Hand Auger(HA), Geoprobe(GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch(HP)

If Other (OT), Specify here: _____

MDL= Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 4

LABORATORY RESULTS SOIL

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

VOLATILES											
Sample ID	SB019			SB019							
Sample Depth (feet BGS)	8-10			10-12							
Date Collected	10/10/97			10/10/97							
Date Extracted											
Date Analyzed											
Analytical Method No.	8020A			8020A							
Collection Method*	GP			GP							
CONSTITUENT (ug/kg)	Conc	MDL		Conc	MDL		Conc	MDL		Conc	MDL
☐ Benzene	ND	5		ND	5						
☐ Toluene	ND	5		ND	5						
☐ Ethylbenzene	ND	5		ND	5						
☐ Total Xylenes	25	5		ND	5						
☐ MTBE											
POLYNUCLEAR AROMATICS (PNAs)											
Sample ID	SB019			SB019							
Sample Depth (feet BGS)	8-10			10-12							
Date Collected	10/10/97			10/10/97							
Date Extracted	10/17/97			10/17/97							
Date Analyzed	10/20/97			10/20/97							
Analytical Method No.	8310			8310							
Collection Method*	GP			GP							
CONSTITUENT (ug/kg)	Conc	MDL		Conc	MDL		Conc	MDL		Conc	MDL
☐ Acenaphthene	ND	1100		ND	1100						
☐ Acenaphthylene	ND	1100		ND	1100						
☐ Anthracene	ND	1100		ND	1100						
☐ Benzo(a)anthracene	ND	1100		ND	1100						
☐ Benzo(a)pyrene	ND	1100		ND	1100						
☐ Benzo(b)fluoranthene	ND	1100		ND	1100						
☐ Benzo(g,h,i)perylene	ND	1100		ND	1100						
☐ Benzo(k)fluoranthene	ND	1100		ND	1100						

BGS=Below Ground Surface

*Collection Method Codes (list all that apply): Grab Sample (GS), Split Spoon(SS), Hand Auger(HA), Geoprobe(GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch(HP)

If Other (OT), Specify here: _____

MDL= Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 4 (Continued page 2 of 4)

LABORATORY RESULTS SOIL

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB019		SB019							
Sample Depth (feet BGS)	8-10		10-12							
Date Collected	10/10/97		10/10/97							
Date Extracted	10/17/97		10/17/97							
Date Analyzed	10/20/97		10/20/97							
Analytical Method No.	8310		8310							
Collection Method*	GP		GP							
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Chrysene	ND	1100	ND	1100						
☐ Dibenzo(a,h)anthracene	ND	1100	ND	1100						
☐ Fluoranthene	ND	1100	ND	1100						
☐ Fluorene	ND	1100	ND	1100						
☐ Indeno(1,2,3- cd)pyrene	ND	1100	ND	1100						
☐ Naphthalene	ND	1100	ND	1100						
☐ Phenanthrene	ND	1100	ND	1100						
☐ Pyrene	ND	1100	ND	1100						
METALS										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Analytical Method No.										
Collection Method*										
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Cadmium										
☐ Chromium III										
☐ Chromium VI										
☐ Total Lead	9420	110	5810	110						

BGS=Below Ground Surface

*Collection Method Codes (list all that apply); Grab Sample (GS), Split Spoon(SS), Hand Auger(HA), Geoprobe(GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch(HP)

If Other (OT), Specify here: _____

MDL= Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 4 (Continued page 3 of 4)

LABORATORY RESULTS SOIL

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

PCBs											
Sample ID											
Sample Depth (feet BGS)											
Date Collected											
Date Extracted											
Date Analyzed											
Analytical Method No.											
Collection Method*											
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	
☐ Aroclor 1016											
☐ Aroclor 1221											
☐ Aroclor 1232											
☐ Aroclor 1242											
☐ Aroclor 1248											
☐ Aroclor 1254											
☐ Aroclor 1280											
HALOGENATED HYDROCARBONS											
Sample ID											
Sample Depth (feet BGS)											
Date Collected											
Date Extracted											
Date Analyzed											
Analytical Method No.											
Collection Method*											
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	
☐ Carbon Tetrachloride											
☐ 1,1-Dichloroethane											
☐ 1,2-Dichloroethane											
☐ 1,1-Dichloroethylene											

BGS=Below Ground Surface

*Collection Method Codes (list all that apply); Grab Sample (GS), Split Spoon(SS), Hand Auger(HA), Geoprobe(GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch(HP)

If Other (OT), Specify here: _____

MDL= Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 4 (Continued page 4 of 4)

LABORATORY RESULTS SOIL

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

HALOGENATED HYDROCARBONS											
Sample ID											
Sample Depth (feet BGS)											
Date Collected											
Date Extracted											
Date Analyzed											
Analytical Method No.											
Collection Method*											
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	
☐ cis-1,2-Dichloroethylene											
☐ trans-1,2-ichloroethylene											
☐ Tetrachloroethylene											
☐ 1,1,2-Trichloroethane											
OTHER (Specify)											
Sample ID SB019 SB019											
Sample Depth (feet BGS) 8-10 10-12											
Date Collected 10/10/97 10/10/97											
Date Extracted 10/17/97 10/17/97											
Date Analyzed 10/20/97 10/20/97											
Analytical Method No. 8310 8310											
Collection Method* GP GP											
CONSTITUENT (ug/kg)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	
☐ 1-METHYLNAPHTHALENE	ND	1100	ND	1100							
☐ 2-METHYLNAPHTHALENE	ND	1100	ND	1100							
☐											
☐											
☐											
☐											
☐											

BGS=Below Ground Surface

*Collection Method Codes (list all that apply); Grab Sample (GS), Split Spoon(SS), Hand Auger(HA), Geoprobe(GP), Continuous Corer (CC), Soil Gas (SG), Cone Penetrometer (CP), Hydropunch(HP)

If Other (OT), Specify here: _____

MDL= Method Detection Limit

ATTACHMENT 5
TIER I COMPARISON TABLES FOR SOILS
RESIDENTIAL LEACHING TO GROUNDWATER
RESIDENTIAL DIRECT CONTACT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 5

TIER I RBSL/TIER II OR TIER III SSTL COMPARISON TABLE FOR SOILS LEACHING TO GROUNDWATER FOR RESIDENTIAL

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

☒ Residential ☐ Industrial ☐ Commercial III ☐ Commercial IV

Exposure Codes

A. Direct Contact		B. Soil Leaching to Potable Groundwater					
Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/kg)	Applicable Criterion with Exposure Codes (ug/kg)		Criterion Exceeded? (Yes or No)	
				Tier I RBSL	Tier II/III SSTL	Tier I RBSL	Tier II/III SSTL
VOLATILES							
☐ Benzene	SB014	10/10/97	7200	100 B		YES	
☐ Toluene	SB014	10/10/97	6200	16000 B		NO	
☐ Ethylbenzene	SB014	10/10/97	12000	1500 B		YES	
☐ Total Xylenes	SB014	10/10/97	30000	5600 B		YES	
☐ MTBE							
POLYNUCLEAR AROMATICS							
☐ Acenaphthene	SB015	10/10/97	1600	300000 B		NO	
☐ Acenaphthylene	SB014	10/10/97	ND			NO	
☐ Anthracene	SB014	10/10/97	ND			NO	
☐ Benzo(a)anthracene	SB014	10/10/97	ND			NO	
☐ Benzo(a)pyrene	SB014	10/10/97	ND			NO	
☐ Benzo(b)fluoranthene	SB014	10/10/97	ND			NO	
☐ Benzo(g,h,i)perylene	SB014	10/10/97	ND			NO	
☐ Benzo(k)fluoranthene	SB014	10/10/97	ND			NO	
☐ Chrysene	SB014	10/10/97	ND			NO	
☐ Dibenzo-(a,h)anthracene	SB014	10/10/97	ND			NO	
☐ Fluoranthene	SB014	10/10/97	ND			NO	
☐ Fluorene	SB014	10/10/97	ND			NO	
☐ Indeno(1,2,3- cd)pyrene	SB014	10/10/97	ND			NO	
☐ Naphthalene	SB017	10/10/97	1700	17000 B		NO	
☐ Phenanthrene	SB014	10/10/97	ND			NO	
☐ Pvrene	SB014	10/10/97	ND			NO	

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 5 (Continued Page 2 of 2)

TIER I RBSL/TIER II OR TIER III SSTL COMPARISON TABLE FOR SOILS LEACHING TO GROUNDWATER FOR RESIDENTIAL

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/kg)	Applicable Criterion with Exposure Codes (ug/kg)		Criterion Exceeded? (Yes or No)	
				Tier I RBSL	Tier II/III SSTL	Tier I RBSL	Tier II/III SSTL
METALS							
☐ Cadmium							
☐ Chromium III							
☐ Chromium VI							
☐ Total Lead	SB019	10/10/97	9420	21000 B		NO	
PCBs							
☐ Aroclor 1016							
☐ Aroclor 1221							
☐ Aroclor 1232							
☐ Aroclor 1242							
☐ Aroclor 1248							
☐ Aroclor 1254							
☐ Aroclor 1280							
HALOGENATED HYDROCARBONS							
☐ Carbon Tetrachloride							
☐ 1,1-Dichloroethane							
☐ 1,2-Dichloroethane							
☐ 1,1-Dichloroethylene							
☐ cis-1,2-Dichloroethylene							
☐ trans-1,2-Dichloroethylene							
☐ Tetrachloroethylene							
☐ 1,1,2-Trichloroethane							
OTHER*							
☐ 1-METHYLNAPHTHALENE	SB017	10/10/97	2800	NONE			
☐ 2-METHYLNAPHTHALENE	SB017	10/10/97	13000	5200 B		YES	
☐							

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 5

TIER I RBSL/TIER II OR TIER III SSTL COMPARISON TABLE FOR SOILS - DIRECT CONTACT RESIDENTIAL

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

☒ Residential ☐ Industrial ☐ Commercial III ☐ Commercial IV

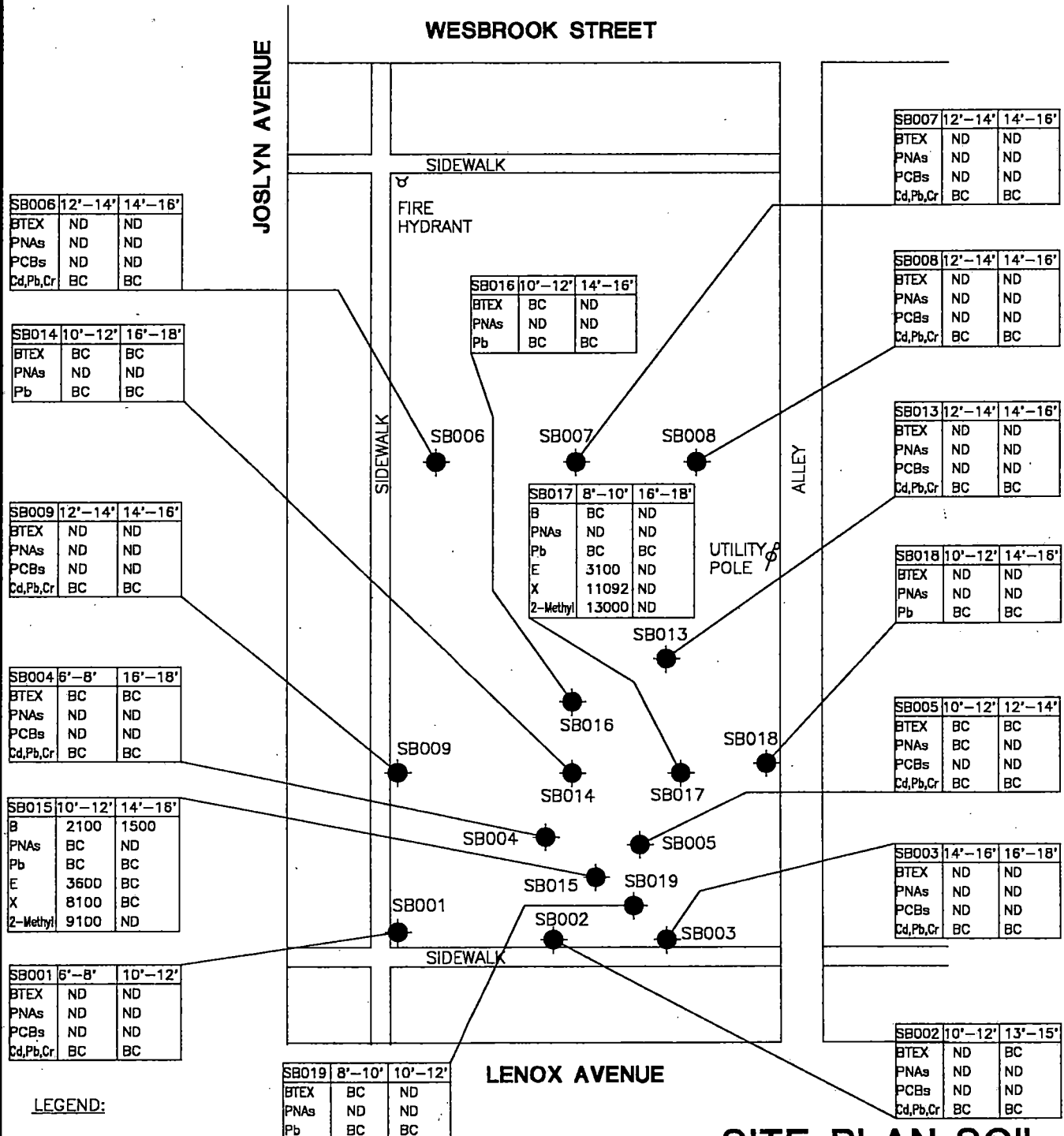
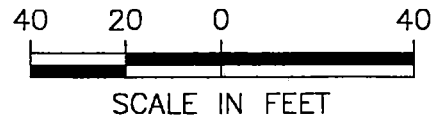
Exposure Codes

A. Direct Contact		B. Soil Leaching to Potable Groundwater					
Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/kg)	Applicable Criterion with Exposure Codes (ug/kg)		Criterion Exceeded? (Yes or No)	
				Tier I RBSL	Tier II/III SSTL	Tier I RBSL	Tier II/III SSTL
VOLATILES				A			
☐ Benzene	SB014	10/10/97	7200	88000		NO	
☐ Toluene	SB014	10/10/97	6200	62000		NO	
☐ Ethylbenzene	SB014	10/10/97	12000	380000		NO	
☐ Total Xylenes	SB014	10/10/97	30000	40000		NO	
☐ MTBE							
POLYNUCLEAR AROMATICS							
☐ Acenaphthene	SB015	10/10/97	1600	300000 B		NO	
☐ Acenaphthylene	SB014	10/10/97	ND			NO	
☐ Anthracene	SB014	10/10/97	ND			NO	
☐ Benzo(a)anthracene	SB014	10/10/97	ND			NO	
☐ Benzo(a)pyrene	SB014	10/10/97	ND			NO	
☐ Benzo(b)fluoranthene	SB014	10/10/97	ND			NO	
☐ Benzo(g,h,i)perylene	SB014	10/10/97	ND			NO	
☐ Benzo(k)fluoranthene	SB014	10/10/97	ND			NO	
☐ Chrysene	SB014	10/10/97	ND			NO	
☐ Dibenzo-(a,h)anthracene	SB014	10/10/97	ND			NO	
☐ Fluoranthene	SB014	10/10/97	ND			NO	
☐ Fluorene	SB014	10/10/97	ND			NO	
☐ Indeno(1,2,3- cd)pyrene	SB014	10/10/97	ND			NO	
☐ Naphthalene	SB017	10/10/97	1700	17000 B		NO	
☐ Phenanthrene	SB014	10/10/97	ND			NO	
☐ Pyrene	SB014	10/10/97	ND			NO	

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION
FINAL ASSESSMENT REPORT (Continued)
 ATTACHMENT NO. 5 (Continued Page 2 of 2)
 TIER I RBSL/TIER II OR TIER III SSTL COMPARISON TABLE FOR SOILS - DIRECT CONTACT RESIDENTIAL
 FACILITY NAME GM LENOX UST
 FACILITY NUMBER 5-001946

Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/kg)	Applicable Criterion with Exposure Codes (ug/kg)		Criterion Exceeded? (Yes or No)	
				Tier I RBSL	Tier II/III SSTL	Tier I RBSL	Tier II/III SSTL
METALS							
☐ Cadmium							
☐ Chromium III							
☐ Chromium VI							
☐ Total Lead	SB019	10/10/97	9420	21000 A		NO	
PCBs							
☐ Aroclor 1016							
☐ Aroclor 1221							
☐ Aroclor 1232							
☐ Aroclor 1242							
☐ Aroclor 1248							
☐ Aroclor 1254							
☐ Aroclor 1280							
HALOGENATED HYDROCARBONS							
☐ Carbon Tetrachloride							
☐ 1,1-Dichloroethane							
☐ 1,2-Dichloroethane							
☐ 1,1-Dichloroethylene							
☐ cis-1,2-Dichloroethylene							
☐ trans-1,2-Dichloroethylene							
☐ Tetrachloroethylene							
☐ 1,1,2-Trichloroethane							
OTHER*							
☐ 1-METHYLNAPHTHALENE	SB017	10/10/97	2800	NONE			
☐ 2-METHYLNAPHTHALENE	SB017	10/10/97	13000	15000000 A		NO	
☐							

ATTACHMENT 6
SOIL MAP



SITE PLAN-SOIL

VACANT LOT-GM LENOX
NORTHEAST CORNER OF JOSLYN/LENOX
PONTIAC, MICHIGAN

ATTACHMENT 9
SOIL BORING LOGS

PARSONS

ENGINEERING SCIENCE

LOG OF BORING SB014

(Page 1 of 1)

GM / Lenox
Pontiac, Michigan

Drilling Date : 10 October 1997
Drilling Company : Fibertec
Method : Geoprobe
Hole Diameter : 2.25"

Weather : Sunny, 50F
Geologist : NLM
Screen type/diam. : NA
Scr. Length/slot : NA

Depth in feet	Samples	Recovery %	BLOWS	PID (ppm)	PID (ppm)	DESCRIPTION	GRAPHIC	USCS	Well: SB014 Elev.: NA
0					0 3300	2 inches of SOD. CLAY, silty, brown, moist.			
2	1	60%	--	0.0					
4						Same as above.			
6	2	100%	--	0.0					
8						Same as above.			
10	3	100%	--	0.0		Top 75% CLAY, same as above. Bottom 25% medium sand, heavily stained.		CL	
12	4	60%	--	3289		CLAY, some gray, moist sand.			
14	5	100%	--	20					
16	6	100%	--	80		CLAY, silty gray, moist.			
18	7	100%	--	0.0					
20						End of boring at 18 feet.			Bentonite grout

PARSONS

ENGINEERING SCIENCE

LOG OF BORING SB015

(Page 1 of 1)

GM / Lenox
Pontiac, Michigan

Drilling Date : 10 October 1997
Drilling Company : Fibertec
Method : Geoprobe
Hole Diameter : 2.25"

Weather : Sunny, 50F
Geologist : NLM
Screen type/diam. : NA
Scr. Length/slot : NA

Depth in feet	Samples	Recovery %	BLOWS	PID (ppm)	PID (ppm)	DESCRIPTION	GRAPHIC	USCS	Well: SB015 Elev.: NA
					0 1500				
0						2 inches SOD.			
2									
4									
6	1	100%	--	2.0		CLAY, silty, brown, dry-moist.			
8	2	100%	--	5.0		CLAY, silty, gray, dry-moist.		CL	
10	3	100%	--	1465		Top half same as above. Bottom sand (Tank pit fill) gravel stained black.			
12									
14	4	100%	--	15		CLAY, silty, some fine sand, gray.			
16						End of boring at 16 feet.			Bentonite grout
18									
20									

PARSONS

ENGINEERING SCIENCE

LOG OF BORING SB016

(Page 1 of 1)

GM / Lenox
Pontiac, Michigan

Drilling Date : 10 October 1997
Drilling Company : Fibertec
Method : Geoprobe
Hole Diameter : 2.25"

Weather : Sunny, 50F
Geologist : NLM
Screen type/diam. : NA
Scr. Length/slot : NA

Depth in feet	Samples	Recovery %	BLOWS	PID (ppm)	PID (ppm)			DESCRIPTION	GRAPHIC	USCS	Well: SB016 Elev.: NA
					0	10	20				
0								2 inches SOD.			
2											
4											
6											
8	1	100%	--	5.0				CLAY, silty, brown, dry-moist.		CL	
10	2	100%	--	15.0				CLAY, silty, brown, dry-moist. Bottom half tank pit fill.			
12											
14	3	100%	--	0.0				CLAY, silty, gray, wet, some sand.			
16								End of boring at 16 feet.			Bentonite grout
18											
20											

PARSONS

ENGINEERING SCIENCE

LOG OF BORING SB017

(Page 1 of 1)

GM / Lenox
Pontiac, Michigan

Drilling Date : 10 October 1997
Drilling Company : Fibertec
Method : Geoprobe
Hole Diameter : 2.25"

Weather : Sunny, 50F
Geologist : NLM
Screen type/diam. : NA
Scr. Length/slot : NA

Well: SB017
Elev.: NA

Depth in feet	Samples	Recovery %	BLOWS	PID (ppm)	PID (ppm)	DESCRIPTION	GRAPHIC	USCS
					0 50			
0								
2								
4								
6								
8						CLAY, silty, brown, dry-moist.		
10	1	80%	--	50		No Recovery		CL
12						60% or top half - tank pit fill. Fine gravel, brown, wet.		
14	2	60%	--	48		CLAY, silty, gray, trace sand, moist-wet.		
16						CLAY, silty, trace sand, wet.		
18	3	100%	--	0.0				
20						End of boring at 18 feet.		Bentonite grout

GM / Lenox
Pontiac, Michigan

Drilling Date : 10 October 1997
Drilling Company : Fibertec
Method : Geoprobe
Hole Diameter : 2.25"

Weather : Sunny, 50F
Geologist : NLM
Seen type/diam. : NA
Scr. Length/slot : NA

Depth in feet	Samples	Recovery %	BLOWS	PID (ppm)	PID (ppm)			DESCRIPTION	GRAPHIC	USCS	Well: SB018 Elev.: NA
					0	10	20				
0								2 inches SOD.			
2											
4											
6											
8	1	100%	--	0.0				CLAY, silty, brown, dry.			
10	2	100%	--	0.0				CLAY, silty, gray, dry-moist.			
12	3	100%	--	0.0				CLAY, silty, gray, moist-dry.			
14											
16								End of boring at 16 feet.			Bentonite grout
18											
20											

PARSONS

ENGINEERING SCIENCE

LOG OF BORING SB019

(Page 1 of 1)

GM / Lenox
Pontiac, Michigan

Drilling Date : 10 October 1997
Drilling Company : Fibertec
Method : Geoprobe
Hole Diameter : 2.25"

Weather : Sunny, 50F
Geologist : NLM
Screen type/diam. : NA
Scr. Length/slot : NA

Depth in feet	Samples	Recovery %	BLOWS	PID (ppm)	PID (ppm)	DESCRIPTION	GRAPHIC	USCS	Well: SB019 Elev.: NA
					0 10 20				
0						2 inches SOD.			
2									
4									
6									
8						CLAY, silty, brown-gray, dry.		CL	
10	1	100%	--	0.0					
12	2	100%	--	0.0		SAND, fine-medium, trace gravel, brown, wet.		SP	
14									
16									
18									
20						End of boring at 12 feet.			



Bentonite grout

ATTACHMENT 14
WATER ANALYTICAL RESULTS

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 14

LABORATORY RESULTS GROUNDWATER

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

VOLATILES											
Sample ID	SB014										
Sample Depth (feet BGS)	16-18										
Date Collected	10/10/97										
Date Extracted											
Date Analyzed											
Collection Method*	GP										
Analytical Method No.	8020A										
CONSTITUENT (ug/l)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	
☐ Benzene	7200	100									
☐ Toluene	6200	100									
☐ Ethylbenzene	12000	100									
☐ Total Xylenes	30000	100									
☐ MTBE											
POLYNUCLEAR AROMATICS (PNAs)											
Sample ID	SB014										
Sample Depth (feet BGS)	16-18										
Date Collected	10/10/97										
Date Extracted											
Date Analyzed											
Collection Method*	GP										
Analytical Method No.	8310										
CONSTITUENT (ug/l)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	
☐ Acenaphthene	ND	100									
☐ Acenaphthylene	610	100									
☐ Anthracene	ND	100									
☐ Benzo(a)anthracene	ND	100									
☐ Benzo(a)pyrene	ND	100									
☐ Benzo(b)fluoranthene	ND	100									
☐ Benzo(g,h,i)perylene	ND	100									
☐ Benzo(k)fluoranthene	ND	100									
☐ Chrysene	ND	100									
☐ Dibenzo(a,h)anthracene	ND	100									

BGS = Below Ground Surface

* If Applicable

** Footnote and define all Collection Method Codes used in this table:

MDL = Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 14 (Continued Page 2 of 4)

LABORATORY RESULTS GROUNDWATER

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

POLYNUCLEAR AROMATICS (PNAs)										
Sample ID	SB014									
Sample Depth (feet BGS)	16-18									
Date Collected	10/10/97									
Date Extracted										
Date Analyzed										
Collection Method*	GP									
Analytical Method No.	8310									
CONSTITUENT (ug/l)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Fluoranthene	ND	100								
☐ Fluorene	ND	100								
☐ Indeno(1,2,3- cd)pyrene	ND	100								
☐ Naphthalene	1400	100								
☐ Phenanthrene	ND	100								
☐ Pyrene	ND	100								
METALS - FILTERED										
Sample ID										
Sample Depth (feet BGS)										
Date Collected										
Date Extracted										
Date Analyzed										
Collection Method*										
Analytical Method No.										
CONSTITUENT (ug/l)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ Cadmium										
☐ Chromium III										
☐ Chromium VI										
☐ Total Lead										

BGS = Below Ground Surface

* If Applicable

** Footnote and define all Collection Method Codes used in this table:

MDL = Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 14 (Continued Page 3 of 4)

LABORATORY RESULTS GROUNDWATER

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

PCBs											
Sample ID											
Sample Depth (feet BGS)											
Date Collected											
Date Extracted											
Date Analyzed											
Collection Method*											
Analytical Method No.											
CONSTITUENT (ug/l)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	
☐ Aroclor 1016											
☐ Aroclor 1221											
☐ Aroclor 1232											
☐ Aroclor 1242											
☐ Aroclor 1248											
☐ Aroclor 1254											
☐ Aroclor 1280											
HALOGENATED HYDROCARBONS											
Sample ID											
Sample Depth (feet BGS)											
Date Collected											
Date Extracted											
Date Analyzed											
Collection Method*											
Analytical Method No.											
CONSTITUENT (ug/l)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	
☐ Carbon Tetrachloride											
☐ 1,1-Dichloroethane											
☐ 1,2-Dichloroethane											
☐ 1,1-Dichloroethylene											
☐ cis-1,2-Dichloroethylene											
☐ trans-1,2-Dichloroethylene											

BGS = Below Ground Surface

* If Applicable

** Footnote and define all Collection Method Codes used in this table:

MDL = Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 14 (Continued Page 4 of 4)

LABORATORY RESULTS GROUNDWATER

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

HALOGENATED HYDROCARBONS										
☐ Tetrachloroethylene										
☐ 1,1,2-Trichloroethane										
OTHER (Specify)										
Sample ID	SB014									
Sample Depth (feet BGS)	16-18									
Date Collected	10/10/97									
Date Extracted										
Date Analyzed										
Collection Method*	GP									
Analytical Method No.	8310									
CONSTITUENT (ug/l)	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
☐ 1-METHYLNAPHTHALENE	2200	100								
☐ 2-METHYLNAPHTHALENE	1200	100								
☐										
☐										
☐										
☐										
☐										
☐										
☐										
☐										
☐										
☐										
☐										
☐										
☐										

BGS = Below Ground Surface

* If Applicable

** Footnote and define all Collection Method Codes used in this table:

MDL = Method Detection Limit

ATTACHMENT 15
TIER I COMPARISON TABLE FOR WATER
RESIDENTIAL DIRECT CONTACT

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 15

TIER I RBSL/TIER II OR TIER III SSTL COMPARISON TABLE FOR GROUNDWATER

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

☒ Residential ☐ Commercial ☐ Industrial

Exposure Codes

A. Potable

B. Groundwater/Surface Water Interface

C. DIRECT CONTACT

Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/l)	Applicable Criterion with Exposure Code (ug/l)		Criterion Exceeded? (Yes or No)	
				Tier I RBSL	Tier II/III SSTL	Tier I RBSL	Tier II/III SSTL
VOLATILES				C			
☐ Benzene	SB014	10/10/97	7200	9300 C		NO	
☐ Toluene	SB014	10/10/97	6200	526000 C		NO	
☐ Ethylbenzene	SB014	10/10/97	12000	169000 C		NO	
☐ Total Xylenes	SB014	10/10/97	30000	186000 C		NO	
☐ MTBE							
POLYNUCLEAR AROMATICS (PNAs)							
☐ Acenaphthene	SB014	10/10/97	ND				
☐ Acenaphthylene	SB014	10/10/97	610	3930 C		NO	
☐ Anthracene	SB014	10/10/97	ND				
☐ Benzo(a)anthracene	SB014	10/10/97	ND				
☐ Benzo(a)pyrene	SB014	10/10/97	ND				
☐ Benzo(b)fluoranthene	SB014	10/10/97	ND				
☐ Benzo(g,h,i)perylene	SB014	10/10/97	ND				
☐ Benzo(k)fluoranthene	SB014	10/10/97	ND				
☐ Chrysene	SB014	10/10/97	ND				
☐ Dibenzo- (a,h)anthracene	SB014	10/10/97	ND				
☐ Fluoranthene	SB014	10/10/97	ND				
☐ Fluorene	SB014	10/10/97	ND				
☐ Indeno(1,2,3-cd)pyrene	SB014	10/10/97	ND				
☐ Naphthalene	SB014	10/10/97	1400	1700000 C		NO	
☐ Phenanthrene	SB014	10/10/97	ND				
☐ Pyrene	SB014	10/10/97	ND				

BGS = Below Ground Surface

* If Applicable

** Footnote and define all Collection Method Codes used in this table:

MDL = Method Detection Limit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - UNDERGROUND STORAGE TANK DIVISION

FINAL ASSESSMENT REPORT (Continued)

ATTACHMENT NO. 15

TIER I RBSL/TIER II OR TIER III SSTL COMPARISON TABLE FOR GROUNDWATER

FACILITY NAME GM LENOX UST

FACILITY NUMBER 5-001946

Contaminant	Sample ID with Maximum Detected Concentration	Corresponding Sample Date	Maximum Detected Concentration (ug/l)	Applicable Criterion with Exposure Code (ug/l)		Criterion Exceeded? (Yes or No)	
				Tier I RBSL	Tier II/III SSTL	Tier I RBSL	Tier II/III SSTL
METALS - FILTERED							
☐ Cadmium							
☐ Chromium III							
☐ Chromium VI							
☐ Total Lead							
PCBs							
☐ Aroclor 1016							
☐ Aroclor 1221							
☐ Aroclor 1232							
☐ Aroclor 1242							
☐ Aroclor 1248							
☐ Aroclor 1254							
☐ Aroclor 1280							
HALOGENATED HYDROCARBONS							
☐ Carbon Tetrachloride							
☐ 1,1-Dichloroethane							
☐ 1,2-Dichloroethane							
☐ 1,1-Dichloroethylene							
☐ cis-1,2-Dichloroethylene							
☐ trans-1,2-Dichloroethylene							
☐ Tetrachloroethylene							
☐ 1,1,2-Trichloroethane							
OTHER *							
☐ 2-METHYLNAPHTHALENE	SB014	10/10/97	1200	24600 C		NO	

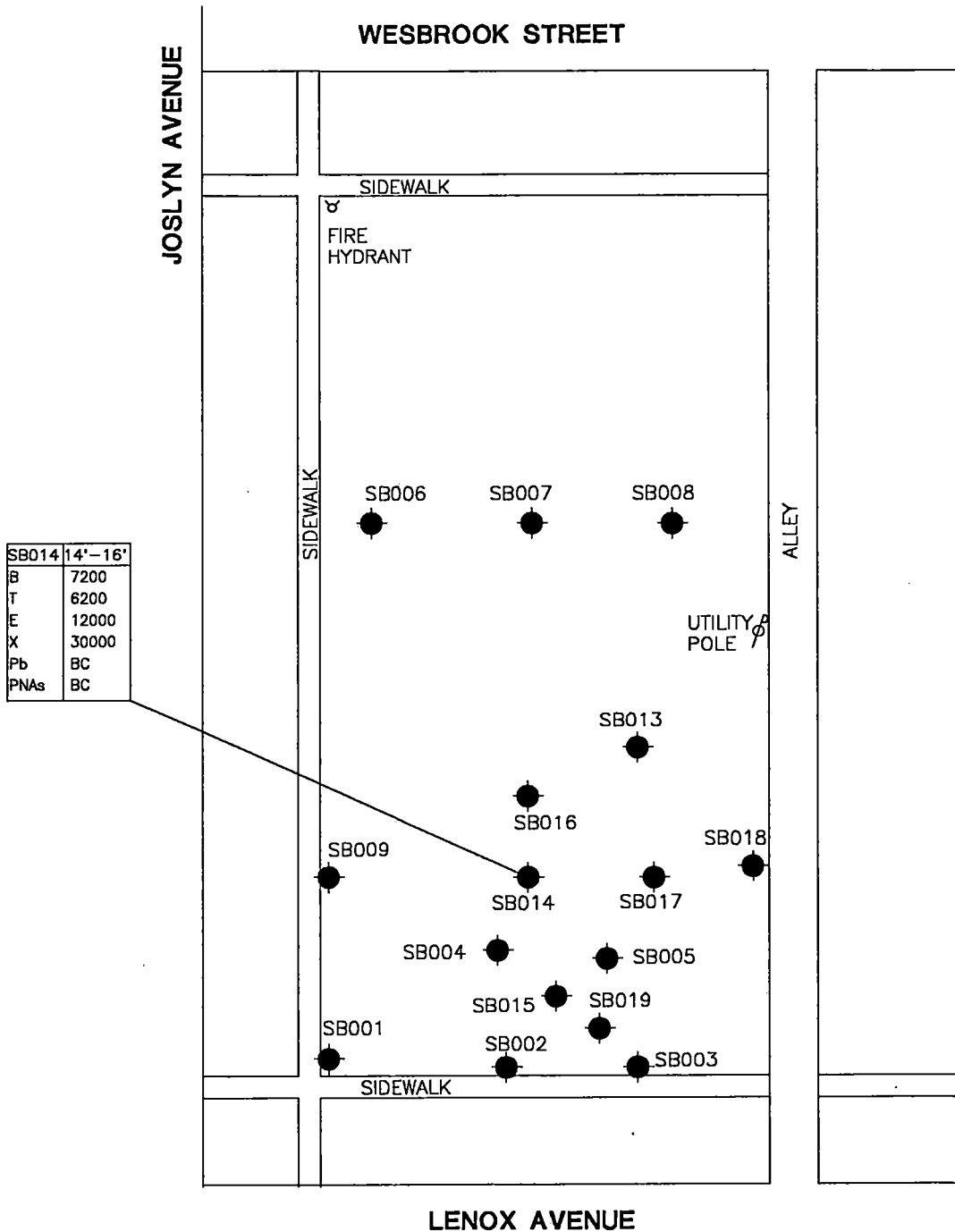
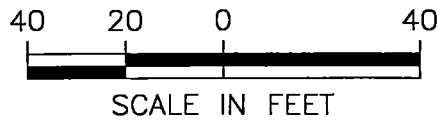
BGS = Below Ground Surface

* If Applicable

** Footnote and define all Collection Method Codes used in this table:

MDL = Method Detection Limit

ATTACHMENT 16
GROUND WATER MAP



LEGEND:

- SOIL BORING
- ND NONE DETECTED
- BC PARAMETER DETECTED, BUT BELOW TIER 1 RESIDENTIAL CRITERIA

SITE PLAN-WATER
VACANT LOT-GM LENOX
NORTHEAST CORNER OF JOSLYN/LENOX
PONTIAC, MICHIGAN

32453C01

PARSONS ENGINEERING SCIENCE, INC.

732453

Closure Report – CRA October 1998

**LEAKING UNDERGROUND STORAGE TANK
CLOSURE REPORT**

INSTRUCTIONS: COMPLETION OF THIS REPORT WITH ALL APPLICABLE INFORMATION IS MANDATORY. The Certified Underground Storage Tank Professional (CP) MUST sign below. Failure to submit this report within the stated time period may result in administrative penalties as provided for in Part 213, Section 21313a of Act 451, P.A. 1994 as amended.

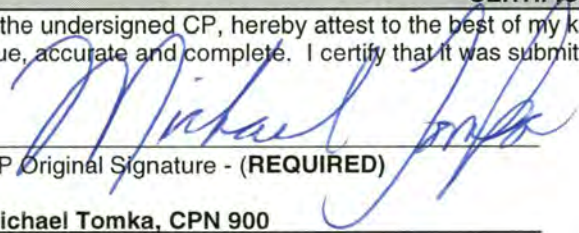
FACILITY NAME: Vacant Lot - GM Lenox		FACILITY ID NUMBER: 5-001946
ADDRESS: Northeast Corner of Joslyn and Lenox		
CITY: Pontiac	ZIP: 48340	COUNTY: Oakland
DATE(S) RELEASE DISCOVERED: November 1, 1996		CONFIRMED RELEASE NUMBER(S): C-889-96
O/O NAME: General Motors Corporation		
O/O ADDRESS: 485 W. Milwaukee, Mail Code: 482-310-004, Detroit		STATE: Michigan ZIP: 48202-3220
CONTACT PERSON: Dr. Ken Richards		PHONE NUMBER: (313) 556-3196

ANSWER ALL QUESTIONS (DO NOT LEAVE BLANKS):

- a. Has the UST been emptied? ☒ Yes ☐ No (If no, explain why):
b. Has the UST system been properly closed? ☒ Yes ☐ No (If no, explain why):
- Free product present: a. Currently? ☐ YES ☒ NO If YES, total gallons recovered since last report:
b. Previously? ☐ YES ☒ NO If YES, total gallons recovered to date:
- Have vapors been identified in any confined spaces (basement, sewers, etc.)? ☐ YES ☒ NO
- State the number of homes where drinking water is or was affected as a result of a release from this facility: **None**
- Estimated distance and direction from point of release to nearest:
a. Private well: **>1 mile south** b. Municipal well: **>1 mile south** c. Surface water/wetland: **5,000 feet WSW**
- Since last report: a. cubic yards of soil remediated: **0** b. gallons of groundwater remediated: **0**
- Totals to date: a. cubic yards of soil remediated: **0** b. gallons of groundwater remediated: **0**
- Michigan RBCA Site Classification (1-4): **4** Previous RBCA Site Classification (1-4):
- Has contamination migrated off-site above Tier 1 Residential RBSLs ☐ YES ☒ NO
If YES, have off-site impacted parties been notified ☐ YES ☐ NO (per Section 21309a(3) of Part 213)
- Is an institutional control required for contamination that has migrated or will migrate off-site? ☐ Yes ☒ No

CERTIFICATION OF REPORT COMPLETION

I, the undersigned CP, hereby attest to the best of my knowledge and belief that the statements in this document and all attachments are true, accurate and complete. I certify that it was submitted to the Storage Tank Division (STD) on October 30, 1998
Date Submitted (REQUIRED)

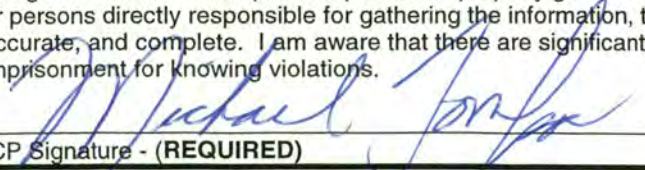
 CP Original Signature - (REQUIRED)	<u>Glenn Turchan, P. Eng.</u> Date PRINT QC Project Manager's Name
<u>Michael Tomka, CPN 900</u> PRINT CP's Name	<u>Conestoga-Rovers & Associates, Inc. Z0261</u> CONSULTANT
<u>11100 Metro Airport Center Drive, Suite 160</u> <u>Romulus, Michigan 48174</u> ADDRESS	<u>(734) 942-0909</u> <u>(734) 942-1858</u> TELEPHONE NO. FAX NO.

CERTIFICATION OF CLOSURE

- Type of RBCA Evaluation: ☒ Tier 1 ☐ Tier 2 ☐ Tier 3
- Closure report based on which type of land use?: ☒ Residential ☐ Commercial III ☐ Commercial IV ☐ Industrial
- Institutional Controls: ☒ None ☐ Notice of Corrective Action ☐ Restrictive Covenant ☐ Other

I certify under penalty of law that corrective actions associated with the above referenced release at this facility were completed in accordance with Part 213, Act 451, P.A. 1994 as amended, and current departmental guidance and procedures available at the time the work was completed.

I further certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

 CP Signature - (REQUIRED)	<u>10/30/98</u> Date
---	-------------------------

STORAGE TANK DIVISION SEMI DISTRICT OFFICE
NOV 2 1998

PLEASE RETURN THIS COMPLETED REPORT AND ASSOCIATED ATTACHMENTS TO THE APPROPRIATE STD DISTRICT OFFICE, LISTED ON THE BACK OF THIS PAGE.

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - STORAGE TANK DIVISION
CLOSURE REPORT (Continued)

STORAGE TANK DIVISION OFFICES AND LOCATIONS

Determine in which county/city the UST is located. Return all completed forms and associated reports to the STD office listed next to that county/city in the following table. Addresses for the STD offices are listed below.

COUNTY	STD OFFICE	COUNTY	STD OFFICE	COUNTY	STD OFFICE	COUNTY	STD OFFICE
Alcona	Gaylord	Dickinson	Marquette	Lake	Cadillac	Oceana	Grand Rapids
Alger	Marquette	Eaton	Shiawassee	Lapeer	Shiawassee	Ogemaw	Gaylord
Allegan	Plainwell	Emmet	Gaylord	Leelanau	Cadillac	Ontonagon	Marquette
Alpena	Gaylord	Genesee	Shiawassee	Lenawee	Jackson	Osceola	Cadillac
Antrim	Gaylord	Gladwin	Gaylord	Livingston	Shiawassee	Oscoda	Gaylord
Arenac	Gaylord	Gogebic	Marquette	Luce	Marquette	Otsego	Gaylord
Baraga	Marquette	Grand Traverse	Cadillac	Mackinac	Marquette	Ottawa	Grand Rapids
Barry	Plainwell	Gratiot	Shiawassee	Macomb	SE Michigan	Presque Isle	Gaylord
Bay	Saginaw-Bay	Hillsdale	Jackson	Manistee	Cadillac	Roscommon	Gaylord
Benzie	Cadillac	Houghton	Marquette	Marquette	Marquette	Saginaw	Saginaw-Bay
Berrien	Plainwell	Huron	Saginaw-Bay	Mason	Cadillac	Sanilac	Saginaw-Bay
Branch	Jackson	Ingham	Shiawassee	Mecosta	Grand Rapids	Schoolcraft	Marquette
Calhoun	Jackson	Ionia	Grand Rapids	Menominee	Marquette	Shiawassee	Shiawassee
Cass	Plainwell	Iosco	Gaylord	Midland	Saginaw-Bay	St Clair	SE Michigan
Charlevoix	Gaylord	Iron	Marquette	Missaukee	Cadillac	St Joseph	Plainwell
Cheboygan	Gaylord	Isabella	Saginaw-Bay	Monroe	SE Michigan	Tuscola	Saginaw-Bay
Chippewa	Marquette	Jackson	Jackson	Montcalm	Grand Rapids	Van Buren	Plainwell
Clare	Gaylord	Kalamazoo	Plainwell	Montmorency	Gaylord	Washtenaw	Jackson
Clinton	Shiawassee	Kalkaska	Cadillac	Muskegon	Grand Rapids	Wayne	SE Michigan
Crawford	Gaylord	Kent	Grand Rapids	Newaygo	Grand Rapids	Wexford	Cadillac
Delta	Marquette	Keweenaw	Marquette	Oakland	SE Michigan		
CITY	STD OFFICE	CITY	STD OFFICE	CITY	STD OFFICE		
Detroit	Detroit	Highland Park	Detroit	Hamtramck	Detroit		

<u>CADILLAC OFFICE</u> 120 W CHAPIN ST CADILLAC MI 49601-2158 616-775-3960 (PHONE) 616-775-1511 (FAX)	<u>DETROIT OFFICE</u> 300 RIVERPLACE, SUITE 3600 DETROIT MI 48207 313-392-6480 (PHONE) 313-392-6488 (FAX)	<u>PLAINWELL OFFICE</u> 1342 SR-89 WEST, SUITE B PLAINWELL MI 49080-1915 616-692-2120 (PHONE) 616-692-3050 (FAX)
<u>GAYLORD OFFICE</u> 1732 W M-32, PO BOX 667 GAYLORD MI 49735-0667 517-731-4920 (PHONE) 517-731-6181 (FAX)	<u>JACKSON OFFICE</u> 301 E LOUIS GLICK HIGHWAY JACKSON MI 49201-1556 517-780-7690 (PHONE) 517-780-7855 (FAX)	<u>SAGINAW-BAY OFFICE</u> 503 N EUCLID AVE SUITE 1 BAY CITY MI 48706-2965 517-686-8025 (PHONE) 517-684-9799 (FAX)
<u>GRAND RAPIDS OFFICE</u> 350 OTTAWA ST NW 6TH FLOOR GRAND RAPIDS MI 49503-2341 616-456-5071 (PHONE) 616-456-1239 (FAX)	<u>MARQUETTE OFFICE</u> 1990 US 41 SOUTH MARQUETTE MI 49855-9198 906-228-6561 (PHONE) 906-228-5245 (FAX)	<u>SHIAWASSEE OFFICE</u> 10650 BENNETT DR MORRICE MI 48857-9792 517-625-5515 (PHONE) 517-625-5000 (FAX)
<u>SE MICHIGAN OFFICE</u> 38980 SEVEN MILE RD LIVONIA MI 48152-1006 734-953-8905 (PHONE) 734-432-1295 (FAX)	<u>HEADQUARTERS</u> 333 S CAPITOL AVE PO BOX 30157 LANSING MI 48909-7657 517-373-8168 (PHONE) 517-335-2245 (FAX)	

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - STORAGE TANK DIVISION
CLOSURE REPORT (Continued)

Instructions - Utilize the following checklist to ensure that all required information is provided in the Closure Report. Include this checklist as the table of contents. The order in which the information is provided is at your discretion. Each page of the report (including the cover sheet, table of contents, appendices, figures, etc.) should be consecutively numbered. The location column should be completed with the appropriate page number for each item. You may reference previously submitted materials by specifying the location within that document. Maps, tables, figures, etc. should be combined as appropriate.

All information required by Part 213 to be included in the Closure Report **must** be provided, and all sections of the report must be completed. If any items are not applicable to the site, provide a justification regarding the absence of this information in the appropriate section of the report.

If an Initial Assessment Report (IAR) and/or a Final Assessment Report (FAR) have not been submitted for this release, provide all required information from the IAR and/or FAR not included below.

Section	Table of Contents	Page
1.0	<u>PROJECT CHRONOLOGY</u>	
A.	Provide the date and time the confirmed release(s) was/were discovered and reported.	1
B.	Provide the IAR submittal date.	1
C.	Provide the FAR submittal date.	1
D.	Provide dates for any other submittals.	1
2.0	<u>SUMMARY OF CORRECTIVE ACTION ACTIVITIES PERFORMED</u>	
2.1	IMMEDIATE RESPONSE ACTION IMPLEMENTATION	
	If an IAR has not been previously submitted, provide all information requested in Section 1.0 of the IAR	1
2.2	FREE PRODUCT DISCOVERY AND REMOVAL	
	If free product has not been discovered, then proceed to Section 2.3.	
A.	Describe initial response actions performed at this site to address the presence of free product as specified in Sections 21307(2)(c) and (f), and (3)(b) and (c), 21308a(1)(b)(xviii). Refer to the STD Operational Memorandum No. 7, <i>Identification, Reporting, and Recovery of Free Product at LUST Sites</i> .	2
B.	Attach a final STD Free Product Recovery Status Report (EQP 3850) if not previously submitted.	2
2.3	SITE ASSESSMENT ACTIVITIES	
A.	If an IAR has not been previously submitted, provide all information requested in Section 3.0 of the IAR.	2
B.	If a FAR has not been previously submitted, provide all information requested in Section 2.0 of the FAR.	2

Section	Table of Contents	Page
2.4	SITE CLASSIFICATION	
A.	Indicate the current Site Classification Level, in accordance with STD Operational Memorandum No. 5, <i>Leaking Underground Storage Tank (LUST) Site Classification System</i> .	7
B.	Provide a justification for this classification. Identify the current conditions that are the basis of the classification.	7
C.	Indicate whether the site classification has changed since the submission of the last report.	7
2.5	TIERED EVALUATIONS AND CLEANUP GOALS	
A.	Indicate whether a site-specific Tier II or Tier III evaluation has been conducted for this site.	7
B.	If applicable, identify and justify where alternate assumptions or site-specific information were used in place of the default assumptions as defined in the STD Operational Memorandum No. 4, <i>Tier 1 Lookup Tables for Risk-Based Corrective Action at Leaking Underground Storage Tank (LUST) Sites</i> .	7
	NOTE: If a Tier II evaluation was performed and described in the IAR or the FAR, explicitly indicate where different assumptions or site-specific information were used in this Tier II or Tier III evaluation and why the change was justified.	
C.	Provide the calculations and reference citations supporting the development of the relevant Tier II or Tier III SSTLs.	7
D.	Provide a table which compares the maximum remaining contaminant concentrations for each required parameter for all media to the appropriate RBSLs (as provided in the STD Operational Memorandum No. 4), and/or the calculated SSTLs. Identify all applicable land use scenario(s).	7
2.6	MODELING	
	Provide all modeling documentation. Refer to the STD Operational Memorandum No. 10 <i>Presentation of Tier 2 and 3 Groundwater Modeling Evaluations</i> .	8
2.7	NOTICES AND RESTRICTIONS	
	If the closure does not require the use of institutional controls to restrict land or resource use, then proceed to Section 2.8.	
	NOTE: Draft copies of all Restrictive Covenants and Notices of Corrective Action for off-site institutional controls must be submitted to the STD for approval prior to filing. Refer to Operational Memorandum No. 12, <i>Institutional Controls and Public Notice Requirements and Procedures</i> .	

Section	Table of Contents	Page
A.	Submit copies of all notices or restrictions which have been filed, and provide proof of filing these notices or restrictions. If the person filing is not the property owner, attach a copy of the written permission for the filing from the property owner.	8
B.	Identify the individuals or segments of the public which have been provided with notice of the proposed land use restrictions or limitations to be placed on resource use. Include the names and addresses of the affected parties (unless large segments of the public will be provided notice, e.g., users of a municipal water supply system). Include proof that notice was provided to the affected parties.	8
C.	Provide a map depicting the location(s) of the individuals or segments of the noticed public.	8
D.	Describe any alternate mechanism utilized to restrict exposure to regulated substances as defined in Section 324.21310a(3), and justify how this mechanism reliably restricts exposure to the regulated substances.	8
2.8	PERMITS	
	List all discharge permits and/or permit exemptions that were required for the corrective action, and include the type of permit, permit number, application date, approval date and termination date.	9
2.9	CORRECTIVE ACTION PLAN	
A.	Summarize the corrective action activities that resulted in release closure. Include the operating history of any active treatment systems.	9
B.	Summarize the types of monitoring activities performed, including the media and parameters monitored.	9
C.	Attach performance monitoring data.	9
D.	Describe and justify changes to the previously submitted Corrective Action Plan.	9
E.	Provide the total volume of soil remediated, and include disposal location and proof of disposal (e.g., invoices, not load tickets) for all soils excavated subsequent to submittal of the last report, if appropriate.	9
F.	Provide the total volume of groundwater actively remediated to date, and include disposal documentation, if appropriate.	9
3.0	<u>CLOSURE VERIFICATION SAMPLING</u>	
3.1	SOIL CLOSURE VERIFICATION	
	NOTE: Verification sampling must be conducted whenever contaminated soils are identified but not remediated, including when contaminated soil is returned to an excavation after the removal of a UST.	
A.	Describe the soil verification sampling strategy applied at the site by providing the	

Section	Table of Contents	Page
	following:	
1.	A scaled site map which identifies the former extent of the soil contamination, and the soil verification sampling locations relative to existing site features. (<i>Multiple chemical contaminants and multiple sample depths should be addressed on the minimum number of site maps needed to convey the information with clarity and legibility.</i>)	9
2.	For a corrective action involving excavation, a scaled drawing(s) showing the floor and walls of the excavation and the associated sampling locations. The drawing should also depict the subsurface stratigraphy, soil types, fractures, discolored soil locations, adjoining conduits or potential migration pathways, and locations of former and existing UST system components, as appropriate.	9
3.	A description of how the number and location of samples collected for soil verification purposes was established. If your sampling strategy differs from the MDEQ <i>Verification of Soil Remediation Guidance Document</i> and STD Operational Memorandum No. 9, <i>Groundwater and Soil Closure Verification Guidance</i> , provide justification.	9
4.	A list of the analytical parameters used to verify the soil remediation.	10
5.	A justification if all soil verification samples were not analyzed, preserved, and handled in accordance with the STD Operational Memorandum No. 14 <i>Analytical Parameters and Methods, Sample Handling, and Preservation for Petroleum Releases</i> .	10
B.	Provide a table with laboratory data showing the results of all verification soil sampling performed to date for the required parameters. Refer to the STD Operational memorandum No. 14 <i>Analytical Parameters and Methods, Sample Handling, and Preservation for Petroleum Releases</i> . The table should include the following:	10
1.	Sample ID	
2.	Sample depth	
3.	Date of collection	
4.	Dates of extraction and analysis	
5.	Method Detection Limits	
6.	Analytical method	
	(NOTE: The STD may request copies of the laboratory data sheets, chain-of-custody forms, and all available QA/QC information.)	
C.	Provide copies of all soil boring logs not previously submitted.	10
3.2	GROUNDWATER CLOSURE VERIFICATION	
A.	Describe the groundwater verification sampling strategy applied at the site by providing the following:	
1.	A scaled site map which identifies the former extent of groundwater contamination, the groundwater verification sampling locations relative to existing site features, and the groundwater flow direction(s). (<i>Multiple chemical contaminants and multiple aquifer/sample depths should be addressed on the minimum number of site maps needed to convey the information with clarity and legibility.</i>)	10
2.	A description of how the sampling frequency and duration of sampling for groundwater verification purposes was established. If your sampling strategy differs from the STD Operational Memorandum No. 9.	

Section	Table of Contents	Page
3.	A list of the analytical parameters used to verify groundwater closure	10
4.	A justification if all groundwater verification samples were not analyzed, preserved, and handled in accordance with the STD Operational Memorandum No. 14 <i>Analytical Parameters and Methods, Sample Handling, and Preservation for Petroleum Releases.</i>	10
B.	Provide a table with laboratory data showing the results of all verification groundwater sampling performed to date for the required parameters. Refer to the STD Operational Memorandum No. 14 <i>Analytical Parameters and Methods, Sample Handling, and Preservation for Petroleum Releases.</i> The table should include the following:	11
1.	Sample ID	
2.	Sampling depth or screened interval	
3.	Date of collection	
4.	Dates of extraction and analysis	
5.	Method Detection Limits	
6.	Analytical method	
	(NOTE: The STD may request copies of the laboratory data sheets, chain-of-custody forms, and all available QA/QC information.)	
C.	Attach copies of the following:	
1.	Boring logs not previously submitted.	11
2.	Well construction diagrams not previously submitted.	11
3.	Potentiometric surface maps for each groundwater verification sampling event.	11
4.	Elevation data (USGS datum preferred), including top-of-casing and grade elevations, and depth to groundwater for each groundwater verification sampling event.	11
3.3	CLOSURE VERIFICATION FOR OTHER MEDIA	
A.	Describe the verification sampling strategy for other media applied at the site.	11
B.	Provide a scaled site map which identifies the verification sampling locations relative to existing site features and boundaries, if appropriate.	11
C.	Provide a table with the laboratory data showing the results of all verification sampling performed to date in the other specified environmental media.	11

(NOTE: The STD may request copies of the laboratory data sheets, chain-of-custody forms, and all available QA/QC information.)

Section	List of Attachments	Page
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FIGURES

Figure 1	Site Location
Figure 2	Site Plan
Figure 3	Sample and Cross-Section Locations
Figure 4	Cross-Section A-A'
Figure 5	Cross-Section B-B'

TABLES

Table 1	Comparison Table for Soil Verification
Table 2	Summary of Groundwater Sampling
Table 3	Comparison Table for Groundwater Verification

APPENDICES

Appendix A	Stratigraphic Logs
Appendix B	Summary of Additional Groundwater Investigations

1.0 PROJECT CHRONOLOGY

- A. Provide the date and time the confirmed release(s) was/were discovered and reported. During Site investigation activities, which included soil sampling, a release was discovered on November 1, 1996. A release was reported on November 1, 1996 at 5:45 PM.**
- B. Provide the IAR submittal date. The IAR was submitted on January 30, 1997, by Parsons Engineering Science, Inc. (Parsons).**
- C. Provide the FAR submittal date. An incomplete FAR was submitted on October 29, 1997, by Parsons.**
- D. Provide dates for any other submittals. Additional Site assessment activities were conducted by Conestoga-Rovers & Associates, Inc. (CRA) subsequent to the submission of the FAR submitted by Parsons in October 1997 (Parsons FAR). Appendix B provides the results of the additional activities.**

2.0 SUMMARY OF CORRECTIVE ACTION ACTIVITIES PERFORMED

2.1 IMMEDIATE RESPONSE ACTION IMPLEMENTATION

If an IAR has not been previously submitted, provide all information requested in Section 1.0 of the IAR, as follows:

Not Applicable.

- A. Provide the date and time the release(s) was/were discovered and reported.**
- B. Indicate what portion of the underground storage tank (UST) system is, or is believed to be, the source of the release.**
- C. Describe how the release was discovered.**
- D. Describe any tank tightness testing performed in response to this release and provide the following:**
 - 1. Date of the testing;**
 - 2. Method of testing; and**
 - 3. Results of the testing.**
- E. List all former and existing USTs at this facility including the following information for each of these tanks:**
 - 1. Tank ID Number (as registered);**
 - 2. Contents (past/present, if gasoline specify grade and whether leaded or unleaded);**
 - 3. Size of the UST;**

4. Whether the tank was identified as a leaking underground storage tank (LUST); and
 5. Whether the tank has been emptied and/or removed. If a LUST, provide an explanation if not emptied or removed.
- F. Describe the initial response actions which were performed at this site, as specified in Sections 21307(2)(a) through (c), and (3)(a) and (b).

2.2 FREE PRODUCT DISCOVERY AND REMOVAL

If free product has not been discovered, then proceed to Section 2.3.

No free product was observed.

- A. Describe initial response actions performed at this site to address the presence of free product as specified in Sections 21307(2)(c) and (f), and (3)(b) and (c), 21308a(1)(b)(*xviii*). Refer to the STD Operational Memorandum No. 7, *Identification, Reporting, and Recovery of Free Product at LUST Sites*.
- B. Attach a final STD Free Product Recovery Status Report (EQP 3850) if not previously submitted.

2.3 SITE ASSESSMENT ACTIVITIES

- A. If an IAR has not been previously submitted, provide all information requested in Section 3.0 of the IAR. **Not applicable.**
- B. If a FAR has not been previously submitted, provide all information requested in Section 2.0 of the FAR. **See below for revised Section 2.0 of the FAR.**

2.3.1 SCALED SITE MAPS

- A. Provide a scaled area map (or maps) which includes the following:
 1. Site boundaries in relation to the surrounding area and the nearest major roads; **See Figure 1.**
 2. Location and depth of nearby underground sewers and utility lines; **See Figure 2.**
 3. Location of nearby surface waters or wetlands; **See Figure 1.**
 4. Location and screened depth of all off-site wells (municipal, residential, production, irrigation, etc.) within two years groundwater travel time of the property line, which may be dependent on the pumping rates of the identified well(s); and **No wells are located within two years groundwater travel time (within 6 feet of the Site boundary).**
 5. Location of all nearby delineated well-head protection areas. **No well-head protection areas are located in Pontiac, Michigan.**

B. Provide a scaled site map (or maps) which includes the following:

1. Location of fill ports, piping, dispensers, and other pertinent system components for all UST systems currently or formerly at the facility (*prior to excavation if tanks have been removed*; **Former UST location is unknown.**
2. Location of the release and the component of the LUST system from which the release occurred; **Release location is unknown.**
3. Location of adjacent buildings, roadways, paved areas, or other structures; **See Figures 1 and 2.**
4. Location of all on-site wells and screened intervals; **See Figure 3 and Appendix A.**
5. Location of soil, groundwater, surface water, sediment, or air samples, as applicable; and **See Figure 3.**
6. Excavation dimensions and sample locations if applicable. **Not applicable.**

2.3.2 SCALED CROSS-SECTIONAL DIAGRAMS

- A. Provide scaled cross-sectional diagrams of buried utility corridors, including the pipe diameter, the type of backfill, and the trench depth. **No utilities are located on the Site.**
- B. Provide scaled cross-sectional diagrams depicting the soil lithology and the contaminant distribution, including sampling intervals and boring depths. **See Figures 4 and 5.**
- C. Provide scaled cross-sectional diagrams depicting the site hydrogeology, including the groundwater potentiometric surface, the monitoring well screened intervals, and sampling intervals. **See Figures 4 and 5.**

2.3.3 DELINEATION OF THE EXTENT OF CONTAMINATION

- A. Indicate whether additional site assessment activities were conducted subsequent to the submission of the IAR. If so, describe which environmental media were investigated (e.g., soil, groundwater, surface water, air). **Additional Site assessment activities were conducted by CRA subsequent to the submission of the Parsons FAR. Appendix B provides the results of the additional activities.**
- B. Describe the assessment activities conducted. Indicate whether the Work Plan was implemented as outlined in the IAR. If not, describe any changes made, and provide a justification. **Additional Site assessment activities were conducted by CRA subsequent to the submission of the Parsons FAR. Appendix B provides the results of the additional activities.**

2.3.4 SOIL CONDITIONS AND CHARACTERISTICS

- A. Describe the soils encountered in the vadose zone. Shallow soils at the Site consist of sand and clay. See Figures 4 and 5.**
- B. Describe any soil contamination which has been detected. Soil contamination was incorrectly identified in the Parsons FAR. Using information contained in Attachment No. 4 of the Parsons FAR, no soil concentrations are identified above Tier I Residential Direct Contact Values.**
- C. Describe any soil remediation or disposal activities performed subsequent to submittal of the last report, including the volume of soil remediated or disposed to date. Indicate the disposal location, and provide proof of disposal (e.g., invoices, not load tickets). No soil remediation or disposal activities were performed.**
- D. Provide a site diagram which depicts the horizontal and vertical extent of on-site and off-site soil contamination. Include the maximum concentrations and sample depths. See Attachment No. 6 of the Parsons FAR. CRA has not conducted any subsequent soil sampling.**
- E. Provide the volume of impacted soil remaining in the vadose zone. Soil contamination was incorrectly identified in the Parsons FAR. Using information contained in Attachment No. 4 of the Parsons FAR, no soil concentrations are identified above Tier I Residential Direct Contact Values.**
- F. Provide a table with field screening and laboratory data showing the results of all soil sampling performed to date for the required parameters. Refer to the STD Operational Memorandum No. 14, *Analytical Parameters and Methods, Sampling Handling, and Preservation for Petroleum Releases*. The table should include the following: See Attachment No. 4 of the Parsons FAR.**
 - 1. Sample ID;
 - 2. Sample Depth;
 - 3. Date of collection;
 - 4. Dates of extraction and analysis;
 - 5. Method Detection Limits; and
 - 6. Analytical method or field screening instrument.
- G. Provide a table which compares the maximum remaining soil contaminant concentrations for each required parameter to the appropriate RBSLs as provided in STD Operational Memorandum No. 4, *Tier I Lookup Tables for Risk-Based Corrective Action at Leaking Underground Storage Tank Sites*. If residential leaching to groundwater RBSLs are not utilized for comparison, provide an explanation. See Table 1. It should be noted that Attachment No. 5 of the Parsons FAR contained incorrect values. Residential leaching to groundwater RBSLs are not utilized for comparison because the potable groundwater pathway has been eliminated (see Appendix B).**
- H. Provide soil boring logs not previously submitted. See Appendix A.**

- I. Identify any known soil contamination not related to the release, and the source if known. **Not applicable.**

2.3.5 GROUNDWATER CONDITIONS AND CHARACTERISTICS

A. Describe the site hydrogeology, and include the following:

1. Depth to groundwater and method of determination; **Depth to groundwater is approximately 12 feet, based on static water levels of on-Site monitoring wells.**
2. Whether the groundwater is potable and/or not in an aquifer. Provide the basis for this determination. Refer to STD Operational Memorandum No. 11 *Criteria to Eliminate the Potable Groundwater Pathway*; **The groundwater is not potable and is not in an aquifer (see Appendix B).**
3. Whether the groundwater is currently used as a source of drinking water, either residential or municipal; **The groundwater is not used as a source of drinking water.**
4. Whether groundwater is being used for a purpose other than drinking water; **The groundwater is not being used for any other purpose.**
5. Whether more than one groundwater unit is present beneath the site; **Unknown.**
6. Depth to bottom of water-bearing layer; **The bottom of the sand seam is approximately 15 feet below ground surface (bgs).**
7. Predominant soil type in water-bearing stratum (*e.g., sand, silt*); **A sand seam is confined between two clay layers.**
8. Effective porosity of water-bearing stratum (in $\text{cm}^3_{\text{void}}/\text{cm}^3_{\text{matrix}}$), and describe how it was determined; **Effective porosity is estimated to be approximately 0.30.**
9. Hydraulic conductivity, and describe how it was determined; **Hydraulic conductivity was calculated during aquifer pumping tests to be 4.56 E-05 ft/min.**
10. Groundwater flow rate and direction; **Groundwater flow is towards the southeast, at approximately 6.08 E-06 ft/min.**
11. Lateral component of the hydraulic gradient; **The lateral component is approximately 0.04.**
12. Hydrogeologic conditions that could influence flow direction; **Not Applicable.**
13. Magnitude and direction of the vertical component of the hydraulic gradient. **Not Applicable.**

B. Attach copies to the following:

1. Boring logs not previously submitted; **See Appendix A.**
2. Well construction diagrams not previously submitted; **See Appendix A.**
3. Potentiometric surface map; and **See Figures 4 and 5.**
4. Elevation data (USGS datum preferred), including top-of-casing and grade elevations, and depth to groundwater. **See Appendix A.**

C. Provide scaled maps and cross-sectional diagrams, showing the screened and/or sampling interval, which depict the extent of impact and the maximum concentrations. **See Figures 4 and 5.**

- D. Indicate whether more than one groundwater unit has been impacted. It is unknown whether more than one groundwater unit is present. However, a clay confining layer extends throughout the Site.
- E. Describe any groundwater remediation activities performed subsequent to submittal of the IAR, including the total volume of groundwater remediated and the disposition of this groundwater. No groundwater remediation activities were performed.
- F. Indicate whether the plume currently extends off-site or is expected to migrate off-site. Groundwater is not impacted above the applicable Tier I RBSLs.
- G. Provide a table with field screening and laboratory data showing the results of all groundwater sampling performed to date for the required parameters. Refer to the STD Operational Memorandum No. 14, *Analytical Parameters and Methods, Sample Handling, and Preservation for Petroleum Releases*. The table should include the following: See Table 2.
1. Sample ID;
 2. Sample depth and/or screened interval;
 3. Date of collection;
 4. Dates of extraction and analysis;
 5. Method Detection Limits; and
 6. Analytical method or field screening instrument.
- H. Provide a table which compares the maximum remaining groundwater contaminant concentrations for each required parameter to the appropriate RBSLs as provided in STD Operational Memorandum No. 4. If residential health-based/aesthetic drinking water criteria are not utilized for comparison, provide an explanation. See Table 3. Residential health-based/aesthetic drinking water criteria are not utilized for comparison because the potable groundwater pathway has been eliminated (see Appendix B).
- I. Provide a chronological summary of the results for each sampling location. See Table 2.
- J. Identify any known groundwater contamination not related to the release, and the source if known. Not applicable.

2.3.6 CONDITIONS AND CHARACTERISTICS IN OTHER ENVIRONMENTAL MEDIA

Other environmental media not impacted.

- A. Describe the evaluations conducted to determine if other environmental media have been impacted.

- B. Describe the extent and distribution of any contamination present in any environmental media other than soil or groundwater.
- C. Describe any actions taken in response to contamination in other environmental media.
- D. Provide a table with the field screening and laboratory data showing the results of all sampling performed to date in the other specified environmental media.
- E. Identify any known contamination in the other specified media not related to the release, and the source if known.

2.4 SITE CLASSIFICATION

- A. Indicate the current Site Classification Level, in accordance with STD Operational Memorandum No. 5, *Leaking Underground Storage Tank (LUST) Site Classification System*. **Class 4.**
- B. Provide a justification for this classification. Identify the current conditions that are the basis of the classification. **There is no demonstratable long-term threat to human health, safety, or sensitive environmental receptors.**
- C. Indicate whether the site classification has changed since the submission of the last report. **No change.**

2.5 TIERED EVALUATIONS AND CLEANUP GOALS

- A. Indicate whether a site-specific Tier II or Tier III evaluation has been conducted for this site. **Tier II or Tier III evaluations were not conducted.**
- B. If applicable, identify and justify where alternate assumptions or site-specific information were used in place of the default assumptions as defined in the STD Operational Memorandum No. 4, *Tier 1 Lookup Tables for Risk-Based Corrective Action at Leaking Underground Storage Tank (LUST) Sites*. **Not applicable.**

NOTE: If a Tier II evaluation was performed and described in the IAR or the FAR, explicitly indicate where different assumptions or site-specific information were used in this Tier II or Tier III evaluation and why the change was justified.

- C. Provide the calculations and reference citations supporting the development of the relevant Tier II or Tier III SSTLs. **Not applicable.**
- D. Provide a table which compares the maximum remaining contaminant concentrations for each required parameter for all media to the appropriate RBSLs (as provided in the STD Operational Memorandum No. 4), and/or the calculated SSTLs. Identify all applicable land use scenario(s). **See Tables 1 and 3.**

2.6 MODELING

Provide all modeling documentation. Refer to the STD Operational Memorandum No. 10, *Presentation of Tier 2 and 3 Groundwater Modeling Evaluations*. **Not applicable.**

2.7 NOTICES AND RESTRICTIONS

If the closure does not require the use of institutional controls to restrict land or resource use, then proceed to Section 2.8.

No institutional controls to restrict land or resource use required.

NOTE: Draft copies of all Restrictive Covenants and Notices of Corrective Action for off-site institutional controls must be submitted to the STD for approval prior to filing. Refer to Operational Memorandum No. 12, *Institutional Controls and Public Notice Requirements and Procedures*.

- A. Submit copies of all notices or restrictions which have been filed, and provide proof of filing these notices or restrictions. If the person filing is not the property owner, attach a copy of the written permission for the filing from the property owner.
- B. Identify the individuals or segments of the public which have been provided with notice of the proposed land use restrictions or limitations to be placed on resource use. Include the names and addresses of the affected parties (unless large segments of the public will be provided notice, e.g., users of a municipal water supply system). Include proof that notice was provided to the affected parties.
- C. Provide a map depicting the location(s) of the individuals or segments of the noticed public.
- D. Describe any alternate mechanism utilized to restrict exposure to regulated substances as defined in Section 324.21310a(3), and justify how this mechanism reliably restricts exposure to the regulated substances.

2.8 PERMITS

List all discharge permits and/or permit exemptions that were required for the corrective action, and include the type of permit, permit number, application date, approval date and termination date. **No permits required.**

2.9 CORRECTIVE ACTION PLAN

- A. Summarize the corrective action activities that resulted in release closure. Include the operating history of any active treatment systems. **No corrective action activities required.**
- B. Summarize the types of monitoring activities performed, including the media and parameters monitored. **See Appendix B.**
- C. Attach performance monitoring data. **Not applicable.**
- D. Describe and justify changes to the previously submitted Corrective Action Plan. **Not applicable.**
- E. Provide the total volume of soil remediated, and include disposal location and proof of disposal (e.g., invoices, not load tickets) for all soils excavated subsequent to submittal of the last report, if applicable. **No soil was remediated or disposed of.**
- F. Provide the total volume of groundwater actively remediated to date, and include disposal documentation, if appropriate. **No groundwater was actively remediated.**

3.0 CLOSURE VERIFICATION SAMPLING

3.1 SOIL CLOSURE VERIFICATION

NOTE: Verification sampling must be conducted whenever contaminated soils are identified but not remediated, including when contaminated soil is returned to an excavation after the removal of a UST.

- A. Describe the soil verification sampling strategy applied at the site by providing the following: **See the Parsons FAR. CRA has not conducted any subsequent soil sampling.**
 - 1. A scaled site map which identifies the former extent of the soil contamination, and the soil verification sampling locations relative to existing site features. *(Multiple chemical contaminants and multiple sample depths should be addressed on the minimum number of site maps needed to convey the information with clarity and legibility);*
 - 2. For a corrective action involving excavation, a scaled drawing(s) showing the floor and walls of the excavation and the associated sampling locations. The drawing should also depict the subsurface stratigraphy, soil types, fractures, discolored soil

- locations, adjoining conduits or potential migration pathways, and locations of former and existing UST system components as appropriate;
3. A description of how the number and location of samples collected for soil verification purposes was established. If your sampling strategy differs from the MDEQ *Verification of Soil Remediation Guidance Document* and STD Operational Memorandum No. 9, *Groundwater and Soil Closure Verification Guidance*, provide justification;
 4. A list of the analytical parameters used to verify the soil remediation; and
 5. A justification if all soil verification samples were not analyzed, preserved, and handled in accordance with the STD Operational Memorandum No. 14, *Analytical Parameters and Methods, Sample Handling, and Preservation for Petroleum Releases*.
- B. Provide a table with laboratory data showing the results of all verification soil sampling performed to date for the required parameters. Refer to the STD Operational Memorandum No. 14, *Analytical Parameters and Methods, Sample Handling, and Preservation for Petroleum Releases*. The table should include the following: See Table 1.
1. Sample ID;
 2. Sample depth;
 3. Date of collection;
 4. Dates of extraction and analysis;
 5. Method Detection Limits; and
 6. Analytical method.
- C. Provide copies of all soil boring logs not previously submitted. See Appendix A.

3.2 GROUNDWATER CLOSURE VERIFICATION

- A. Describe the groundwater verification sampling strategy applied at the site by providing the following:
1. A scaled site map which identifies the former extent of groundwater contamination, the groundwater verification sampling locations relative to existing site features, and the groundwater flow direction(s). (*Multiple chemical contaminants and multiple aquifer/sample depths should be addressed on the minimum number of site maps needed to convey the information with clarity and legibility*); See Figure 3.
 2. A description of how the sampling frequency and duration of sampling for groundwater verification purposes was established. If your sampling strategy differs from the STD Operational Memorandum No. 9, *Groundwater Soil Closure Verification Guidance*, provide justification; **Groundwater sampling indicated no concentrations above the applicable Tire I Residential RBSLs.**
 3. A list of the analytical parameters used to verify groundwater closure; and See Appendix B.
 4. A justification if all groundwater verification samples were not analyzed, preserved, and handled in accordance with the STD Operational Memorandum No. 14, *Analytical Parameters and Methods, Sample Handling, and Preservation for*

Petroleum Releases. Groundwater verification samples were analyzed, preserved, and handled in accordance with STD Operational Memorandum No. 14.

B. Provide a table with laboratory data showing the results of all verification groundwater sampling performed to date for the required parameters. Refer to the STD Operational Memorandum No. 14, *Analytical Parameters and Methods, Sample Handling, and Preservation for Petroleum Releases*. The table should include the following: **See Table 2.**

1. Sample ID;
2. Sampling depth or screened interval;
3. Date of collection;
4. Dates of extraction and analysis;
5. Method Detection Limits; and
6. Analytical method.

C. Attach copies of the following:

1. Boring logs not previously submitted; **See Appendix A.**
2. Well construction diagrams not previously submitted; **See Appendix A.**
3. Potentiometric surface maps for each groundwater verification sampling event; and **See Figures 4 and 5.**
4. Elevation data (USGS datum preferred), including top-of-casing and grade elevations, and depth to groundwater for each groundwater verification sampling event. **See Appendix A.**

3.3 CLOSURE VERIFICATION FOR OTHER MEDIA

Not applicable.

- A. Describe the verification sampling strategy for other media applied at the site.
- B. Provide a scaled site map which identifies the verification sampling locations relative to existing site features and boundaries, if appropriate.
- C. Provide a table with the laboratory data showing the results of all verification sampling performed to date in the other specified environmental media.

JOSLYN AVENUE

STM
SAN

STM
SAN

STM
SAN

STM
SAN

WESBROOK STREET

GRASS

SIDEWALK

GRASS

SIDEWALK

GRASS

ALLEY (PAVED)

PROPERTY LINE



0 20 40ft

LEGEND

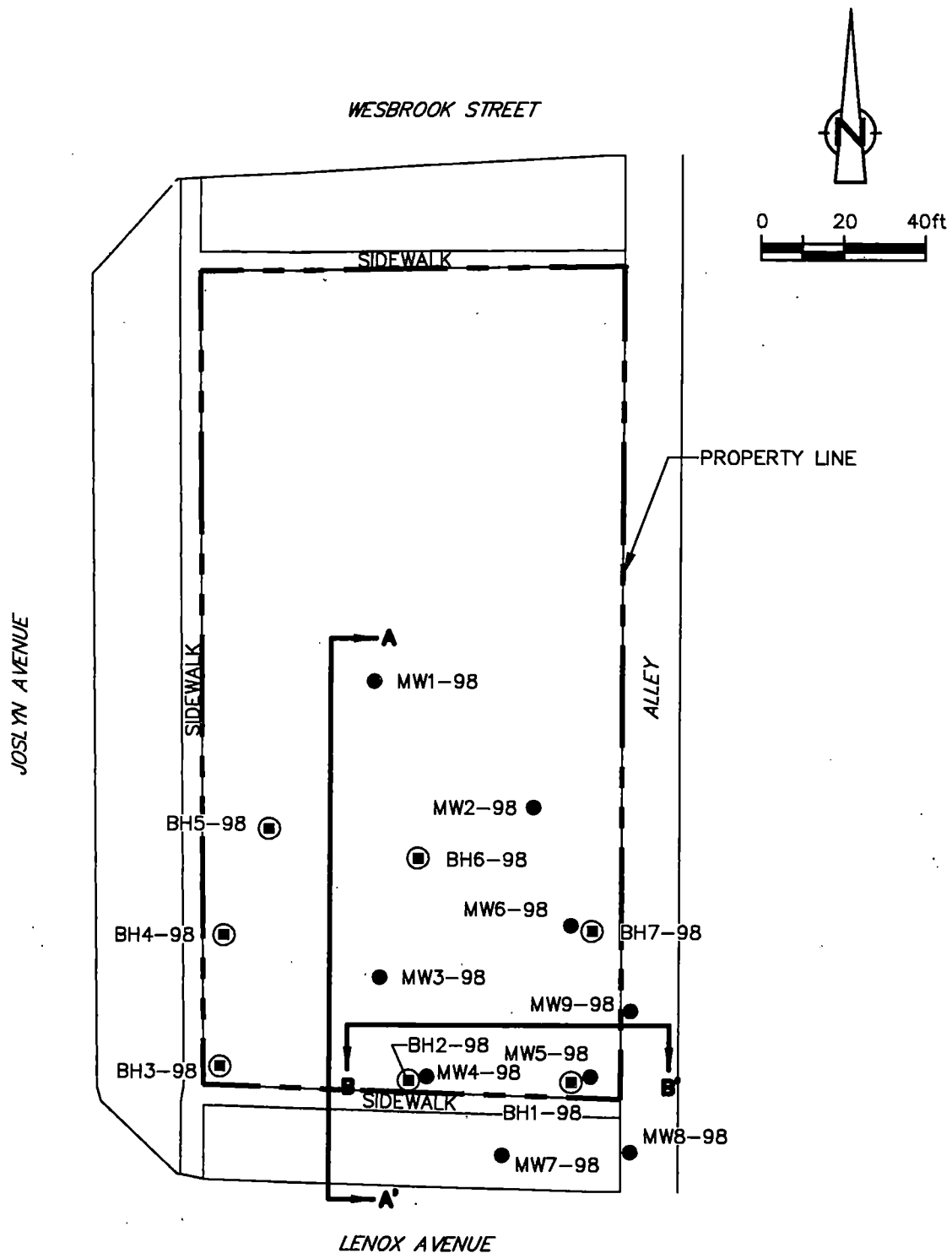
- 6-INCH WATERMAIN
- 12-INCH WATERMAIN
- SAN ----- SANITARY SEWER (LOCATED DIRECTLY
OVER JOSLYN DRAIN)
- STM ----- STORM SEWER

NOTE: ALL UTILITY LOCATIONS ARE APPROXIMATE

CRA

figure 2

SITE PLAN
VACANT LOT-GM LENOX
Pontiac, Michigan



LEGEND

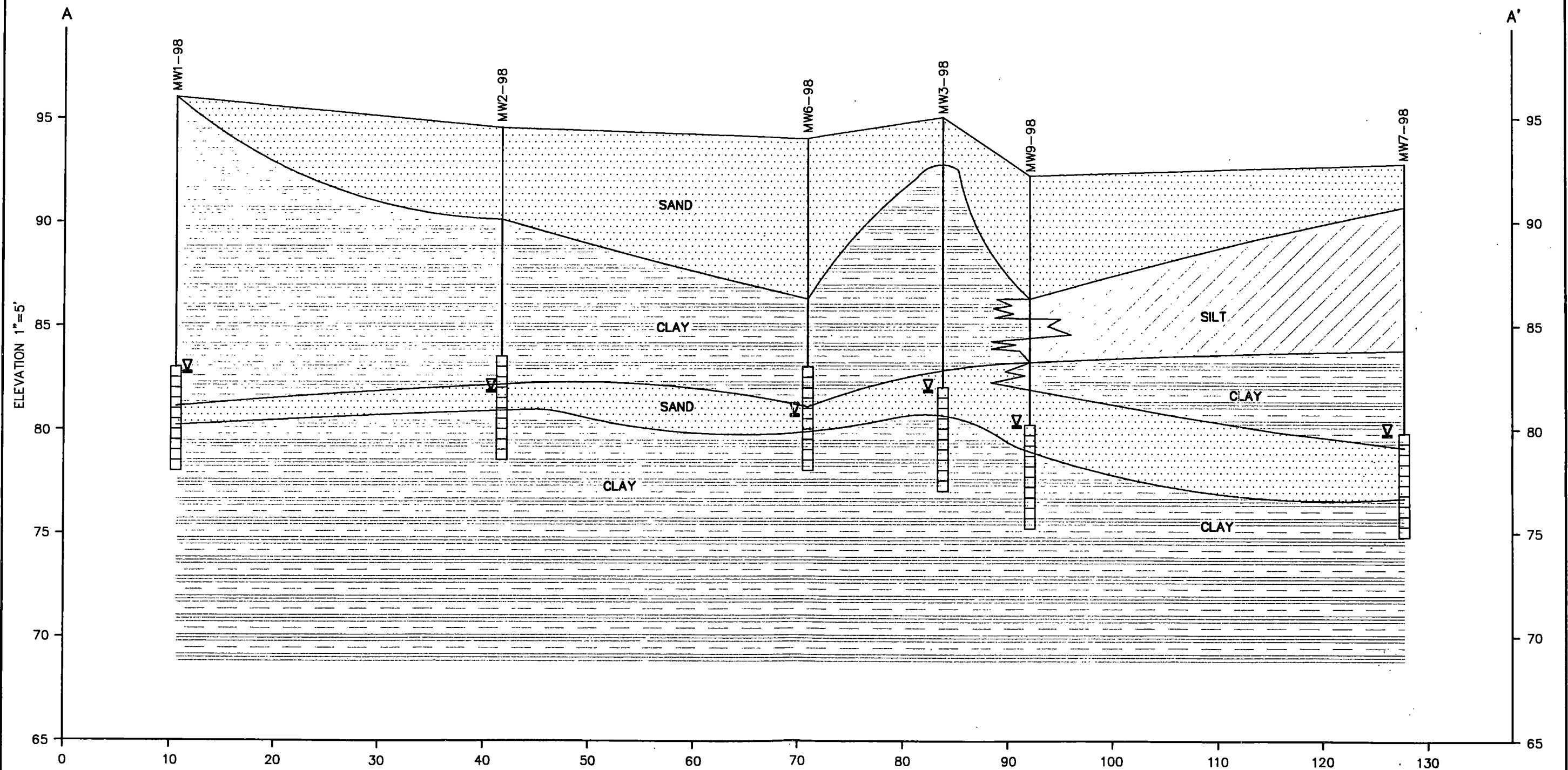
● MW1-98 EXISTING MONITORING WELL LOCATION

◻ BH1-98 APPROXIMATE BOREHOLE LOCATION

↕ ↕ CROSS SECTION LOCATIONS

CRA

figure 3
 SAMPLE AND CROSS SECTION
 LOCATIONS
 VACANT LOT-GM LENOX
 Pontiac, Michigan

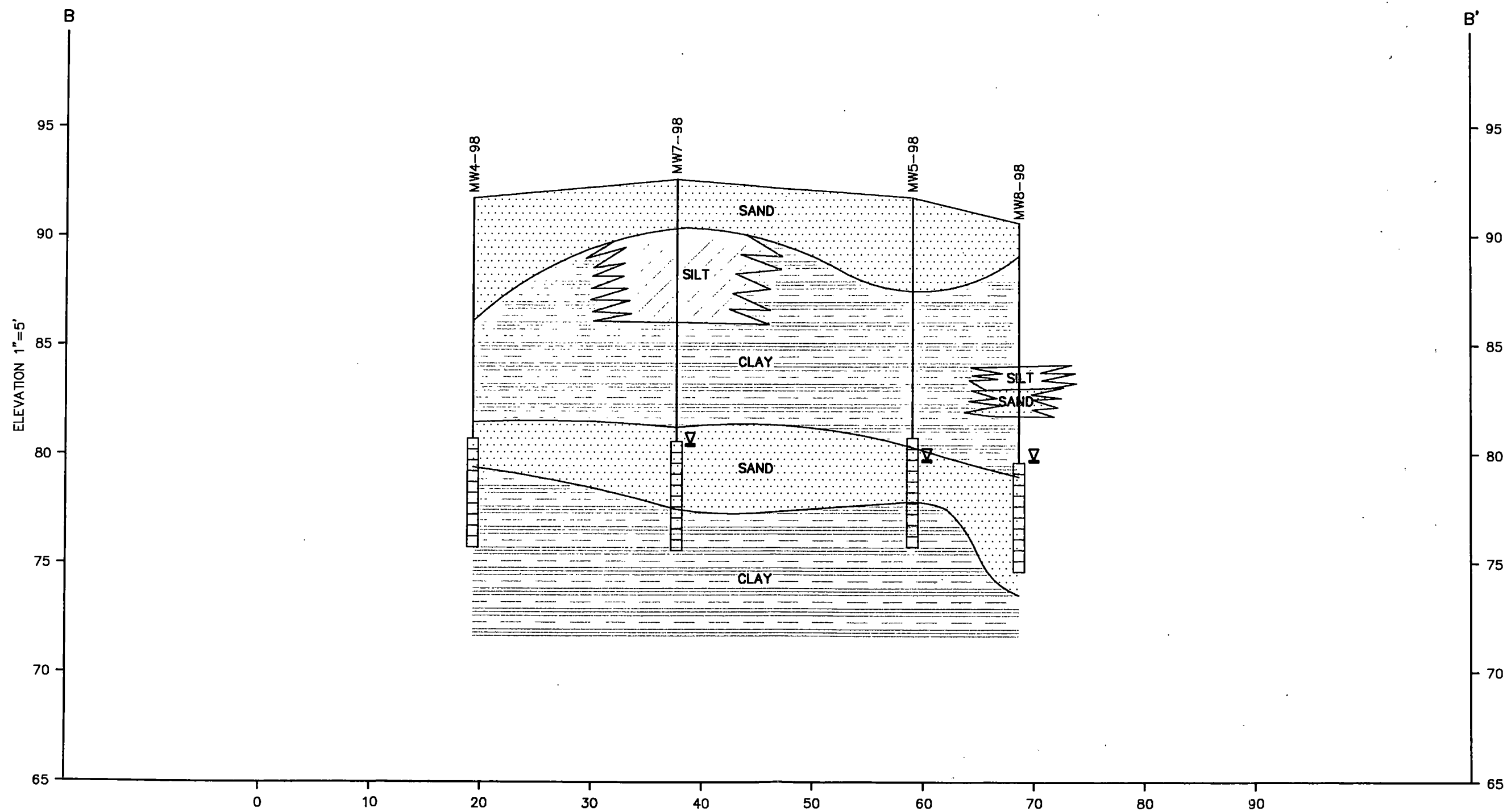


LEGEND

▽ STATIC WATER LEVEL

CRA

figure 4
CROSS SECTION A-A'
VACANT LOT-GM LENOX
Pontiac, Michigan



LEGEND

▽ STATIC WATER LEVEL

DISTANCE 1"=10'

CRA

figure 5
CROSS SECTION B-B'
VACANT LOT-GM LENOX
Pontiac, Michigan

TABLE 1

COMPARISON TABLE FOR SOIL VERIFICATION
VACANT LOT - GM LENOX
PONTIAC, MICHIGAN
FACILITY ID NO. 5-001946

<i>Parameters</i>	<i>Method Detection Limit</i>	<i>Maximum Concentrations</i>	<i>Tier I Residential Direct Contact Criteria</i>
<u>BTEX</u>			
Benzene	6	2,100	88,000
Toluene	6	1,000	250,000
Ethylbenzene	6	3,600	140,000
Total xylenes	25	11,092	150,000
<u>PNAs</u>			
Acenaphthene	1,100	1,600	76,000,000
Acenaphthylene	1,100	ND	1,500,000
Anthracene	1,100	ND	420,000,000
Benzo(a)anthracene	1,100	ND	14,000
Benzo(a)pyrene	1,100	ND	1,400
Benzo(b)fluoranthene	1,100	ND	14,000
Benzo(g,h,i)perylene	1,100	ND	1,500,000
Benzo(k)fluoranthene	1,100	ND	140,000
Chrysene	1,100	ND	1,400,000
Dibenzo(a,h)anthracene	1,100	ND	1,400
Fluoranthene	1,100	ND	51,000,000
Fluorene	1,100	ND	51,000,000
Indeno(1,2,3-c,d)pyrene	1,100	ND	14,000
Naphthalene	1,100	1,700	15,000,000
Phenanthrene	1,100	ND	1,500,000
Pyrene	1,100	ND	32,000,000
<u>Inorganics</u>			
Total Lead	110	9,420	400,000
<u>Others</u>			
1-Methylnaphthalene	1,200	2,800	--
2-Methylnaphthalene	1,200	13,000	15,000,000

Notes:

ND - Not detected above method detection limit.

All concentrations are µg/kg.

TABLE 2

GROUNDWATER SUMMARY OF ANALYTICAL RESULTS
VACANT LOT - GM LENOX
PONTIAC, MICHIGAN
FACILITY ID NO. 5-001946

Sample ID	GW-11752-021298-SM-001	GW-11752-021298-SM-002	GW-11752-021298-SM-003	GW-11752-031998-TJ-001
Sample Location	MW-2-98	MW-1-98	MW-3-98	BH1-98
Screened Interval (feet below ground surface)	10 - 15	13 - 18	10 - 15	—
Date Sampled	2/12/98	2/12/98	2/12/98	3/19/98
Date Analyzed	2/17/98 - 2/19/98	2/17/98 - 2/19/98	2/17/98 - 2/19/98	3/23/98
Analytical Method	See Notes	See Notes	See Notes	8260
Units	µg/L	µg/L	µg/L	µg/L
Parameter				
<u>BTEX</u>				
benzene	ND (5)	ND (5)	2,500	ND (500)
toluene	ND (1)	ND (1)	330	110
ethylbenzene	ND (1)	ND (1)	1,600	1,900
total xylenes	ND (3)	ND (3)	4,000	8,600
MTBE	NA	NA	NA	ND (5,000)
<u>PAHs</u>				
acenaphthene	ND (5)	ND (5)	ND (5)	NA
acenaphthylene	ND (5)	ND (5)	ND (5)	NA
anthracene	ND (5)	ND (5)	ND (5)	NA
benzo(a)anthracene	ND (5)	ND (5)	ND (5)	NA
benzo(a)pyrene	ND (5)	ND (5)	ND (5)	NA
benzo(b)fluoranthene	ND (5)	ND (5)	ND (5)	NA
benzo(g,h,i)perylene	ND (5)	ND (5)	ND (5)	NA
benzo(k)fluoranthene	ND (5)	ND (5)	ND (5)	NA
chrysene	ND (5)	ND (5)	ND (5)	NA
dibenzo(a,h)anthracene	ND (5)	ND (5)	ND (5)	NA
fluoranthene	ND (5)	ND (5)	ND (5)	NA
fluorene	ND (5)	ND (5)	ND (5)	NA
indeno(1,2,3-c,d)pyrene	ND (5)	ND (5)	ND (5)	NA
naphthalene	ND (5)	ND (5)	120	NA
phenanthrene	ND (5)	ND (5)	ND (5)	NA
pyrene	ND (5)	ND (5)	ND (5)	NA

TABLE 2

GROUNDWATER SUMMARY OF ANALYTICAL RESULTS
VACANT LOT - GM LENOX
PONTIAC, MICHIGAN
FACILITY ID NO. 5-001946

<i>Sample ID</i>	GW-11752-021298-SM-001	GW-11752-021298-SM-002	GW-11752-021298-SM-003	GW-11752-031998-TJ-001
<i>Sample Location</i>	MW-2-98	MW-1-98	MW-3-98	BH1-98
<i>Screened Interval (feet below ground surface)</i>	10 - 15	13 - 18	10 - 15	--
<i>Date Sampled</i>	2/12/98	2/12/98	2/12/98	3/19/98
<i>Date Analyzed</i>	2/17/98 - 2/19/98	2/17/98 - 2/19/98	2/17/98 - 2/19/98	3/23/98
<i>Analytical Method</i>	See Notes	See Notes	See Notes	8260
<i>Units</i>	µg/L	µg/L	µg/L	µg/L
<i>Parameter</i>				
<u>PCBs</u>				
PCB - 1016	ND (0.20)	ND (0.20)	ND (0.20)	NA
PCB - 1221	ND (0.20)	ND (0.20)	ND (0.20)	NA
PCB - 1232	ND (0.40)	ND (0.40)	ND (0.40)	NA
PCB - 1242	ND (0.20)	ND (0.20)	ND (0.20)	NA
PCB - 1248	ND (0.20)	ND (0.20)	ND (0.20)	NA
PCB - 1254	ND (0.20)	ND (0.20)	ND (0.20)	NA
PCB - 1260	ND (0.20)	ND (0.20)	ND (0.20)	NA
<u>Inorganics</u>				
cadmium	ND (0.50)	1.5	ND (0.50)	NA
chromium	ND (50)	ND (50)	ND (50)	NA
lead	ND (3.0)	ND (3.0)	ND (3.0)	NA

Notes:

ND () - Not detected above concentration in parentheses.

NA - Not analyzed.

Analytical Methods: BTEX/MTBE 8260, PAHs 8270,

PCBs 8080, cadmium 6020, chromium 6010, lead 6020.

TABLE 2

GROUNDWATER SUMMARY OF ANALYTICAL RESULTS
VACANT LOT - GM LENOX
PONTIAC, MICHIGAN
FACILITY ID NO. 5-001946

Sample ID	GW-11752-031998-TJ-002	GW-11752-031998-TJ-003	GW-11752-031998-TJ-004	GW-11752-031998-TJ-005
Sample Location	BH2-98	BH3-98	BH4-98	BH5-98
Screened Interval (feet below ground surface)	—	—	—	—
Date Sampled	3/19/98	3/19/98	3/19/98	3/19/98
Date Analyzed	3/24/98	3/23/98	3/23/98	3/23/98
Analytical Method	8260	8260	8260	8260
Units	µg/L	µg/L	µg/L	µg/L
Parameter				
<u>BTEX</u>				
benzene	190	ND (5.0)	ND (5.0)	ND (5.0)
toluene	ND (10)	ND (1.0)	ND (1.0)	ND (1.0)
ethylbenzene	72	ND (1.0)	ND (1.0)	ND (1.0)
total xylenes	50	ND (3.0)	ND (3.0)	ND (3.0)
MTBE	ND (500)	ND (50)	ND (50)	ND (50)
<u>PAHs</u>				
acenaphthene	NA	NA	NA	NA
acenaphthylene	NA	NA	NA	NA
anthracene	NA	NA	NA	NA
benzo(a)anthracene	NA	NA	NA	NA
benzo(a)pyrene	NA	NA	NA	NA
benzo(b)fluoranthene	NA	NA	NA	NA
benzo(g,h,i)perylene	NA	NA	NA	NA
benzo(k)fluoranthene	NA	NA	NA	NA
chrysene	NA	NA	NA	NA
dibenzo(a,h)anthracene	NA	NA	NA	NA
fluoranthene	NA	NA	NA	NA
fluorene	NA	NA	NA	NA
indeno(1,2,3-c,d)pyrene	NA	NA	NA	NA
naphthalene	NA	NA	NA	NA
phenanthrene	NA	NA	NA	NA
pyrene	NA	NA	NA	NA

TABLE 2

GROUNDWATER SUMMARY OF ANALYTICAL RESULTS
VACANT LOT - GM LENOX
PONTIAC, MICHIGAN
FACILITY ID NO. 5-001946

Sample ID	GW-11752-031998-TJ-002	GW-11752-031998-TJ-003	GW-11752-031998-TJ-004	GW-11752-031998-TJ-005
Sample Location	BH2-98	BH3-98	BH4-98	BH5-98
Screened Interval (feet below ground surface)	--	--	--	--
Date Sampled	3/19/98	3/19/98	3/19/98	3/19/98
Date Analyzed	3/24/98	3/23/98	3/23/98	3/23/98
Analytical Method	8260	8260	8260	8260
Units	µg/L	µg/L	µg/L	µg/L
Parameter				
<u>PCBs</u>				
PCB - 1016	NA	NA	NA	NA
PCB - 1221	NA	NA	NA	NA
PCB - 1232	NA	NA	NA	NA
PCB - 1242	NA	NA	NA	NA
PCB - 1248	NA	NA	NA	NA
PCB - 1254	NA	NA	NA	NA
PCB - 1260	NA	NA	NA	NA
<u>Inorganics</u>				
cadmium	NA	NA	NA	NA
chromium	NA	NA	NA	NA
lead	NA	NA	NA	NA

Notes:

ND () - Not detected above concentration in parentheses

NA - Not analyzed.

Analytical Methods: BTEX/MTBE 8260, PAHs 8270,

PCBs 8080, cadmium 6020, chromium 6010, lead 6020.

TABLE 2

GROUNDWATER SUMMARY OF ANALYTICAL RESULTS
VACANT LOT - GM LENOX
PONTIAC, MICHIGAN
FACILITY ID NO. 5-001946

Sample ID	GW-11752-031998-TJ-006	GW-11752-031998-TJ-007	GW-11752-081898-EMF-008/009	GW-11752-081898-EMF-010
Sample Location	BH6-98	BH7-98	MW6-98 (Duplicate)	MW9-98
Screened Interval (feet below ground surface)	--	--	11 - 16	12 - 17
Date Sampled	3/19/98	3/19/98	8/18/98	8/18/98
Date Analyzed	3/23/98	3/23/98	8/19/98 - 8/20/98	8/19/98
Analytical Method	8260	8260	8260	8260
Units	µg/L	µg/L	µg/L	µg/L
Parameter				
<u>BTEX</u>				
benzene	ND (5.0)	ND (500)	ND (62)/ND (62)	ND (62)
toluene	ND (1.0)	ND (100)	ND (12)/13	ND (12)
ethylbenzene	ND (1.0)	1,700	570/310	330
total xylenes	ND (3.0)	2,800	750/210	280
MTBE	ND (50)	ND (5,000)	ND (620)/ND (620)	ND (620)
<u>PAHs</u>				
acenaphthene	NA	NA	NA	NA
acenaphthylene	NA	NA	NA	NA
anthracene	NA	NA	NA	NA
benzo(a)anthracene	NA	NA	NA	NA
benzo(a)pyrene	NA	NA	NA	NA
benzo(b)fluoranthene	NA	NA	NA	NA
benzo(g,h,i)perylene	NA	NA	NA	NA
benzo(k)fluoranthene	NA	NA	NA	NA
chrysene	NA	NA	NA	NA
dibenzo(a,h)anthracene	NA	NA	NA	NA
fluoranthene	NA	NA	NA	NA
fluorene	NA	NA	NA	NA
indeno(1,2,3-c,d)pyrene	NA	NA	NA	NA
naphthalene	NA	NA	NA	NA
phenanthrene	NA	NA	NA	NA
pyrene	NA	NA	NA	NA

TABLE 2

GROUNDWATER SUMMARY OF ANALYTICAL RESULTS
VACANT LOT - GM LENOX
PONTIAC, MICHIGAN
FACILITY ID NO. 5-001946

<i>Sample ID</i>	GW-11752-031998-TJ-006	GW-11752-031998-TJ-007	GW-11752-081898-EMF-008/009	GW-11752-081898-EMF-010
<i>Sample Location</i>	BH6-98	BH7-98	MW6-98 (Duplicate)	MW9-98
<i>Screened Interval (feet below ground surface)</i>	—	—	11 - 16	12 - 17
<i>Date Sampled</i>	3/19/98	3/19/98	8/18/98	8/18/98
<i>Date Analyzed</i>	3/23/98	3/23/98	8/19/98 - 8/20/98	8/19/98
<i>Analytical Method</i>	8260	8260	8260	8260
<i>Units</i>	µg/L	µg/L	µg/L	µg/L
<i>Parameter</i>				
<u>PCBs</u>				
PCB - 1016	NA	NA	NA	NA
PCB - 1221	NA	NA	NA	NA
PCB - 1232	NA	NA	NA	NA
PCB - 1242	NA	NA	NA	NA
PCB - 1248	NA	NA	NA	NA
PCB - 1254	NA	NA	NA	NA
PCB - 1260	NA	NA	NA	NA
<u>Inorganics</u>				
cadmium	NA	NA	NA	NA
chromium	NA	NA	NA	NA
lead	NA	NA	NA	NA

Notes:

ND () - Not detected above concentration in parentheses

NA - Not analyzed.

Analytical Methods: BTEX/MTBE 8260, PAHs 8270,

PCBs 8080, cadmium 6020, chromium 6010, lead 6020.

TABLE 2

GROUNDWATER SUMMARY OF ANALYTICAL RESULTS
VACANT LOT - GM LENOX
PONTIAC, MICHIGAN
FACILITY ID NO. 5-001946

Sample ID	GW-11752-081898-EMF-011	GW-11752-081898-EMF-012	GW-11752-081898-EMF-013
Sample Location	MW8-98	MW7-98	MW5-98
Screened Interval (feet below ground surface)	11 - 16	12 - 17	11 - 16
Date Sampled	8/18/98	8/18/98	8/18/98
Date Analyzed	8/19/98	8/19/98	8/19/98
Analytical Method	8260	8260	8260
Units	µg/L	µg/L	µg/L
Parameter			
<u>BTEX</u>			
benzene	ND (5)	ND (5)	ND (500)
toluene	ND (1.0)	ND (1.0)	ND (100)
ethylbenzene	ND (1.0)	1.1	1,300
total xylenes	ND (3.0)	ND (3.0)	4,900
MTBE	ND (50)	ND (50)	ND (5,000)
<u>PAHs</u>			
acenaphthene	NA	NA	NA
acenaphthylene	NA	NA	NA
anthracene	NA	NA	NA
benzo(a)anthracene	NA	NA	NA
benzo(a)pyrene	NA	NA	NA
benzo(b)fluoranthene	NA	NA	NA
benzo(g,h,i)perylene	NA	NA	NA
benzo(k)fluoranthene	NA	NA	NA
chrysene	NA	NA	NA
dibenzo(a,h)anthracene	NA	NA	NA
fluoranthene	NA	NA	NA
fluorene	NA	NA	NA
indeno(1,2,3-c,d)pyrene	NA	NA	NA
naphthalene	NA	NA	NA
phenanthrene	NA	NA	NA
pyrene	NA	NA	NA

TABLE 2

GROUNDWATER SUMMARY OF ANALYTICAL RESULTS
VACANT LOT - GM LENOX
PONTIAC, MICHIGAN
FACILITY ID NO. 5-001946

<i>Sample ID</i>	GW-11752-081898-EMF-011	GW-11752-081898-EMF-012	GW-11752-081898-EMF-013
<i>Sample Location</i>	MW8-98	MW7-98	MW5-98
<i>Screened Interval (feet below ground surface)</i>	11 - 16	12 - 17	11 - 16
<i>Date Sampled</i>	8/18/98	8/18/98	8/18/98
<i>Date Analyzed</i>	8/19/98	8/19/98	8/19/98
<i>Analytical Method</i>	8260	8260	8260
<i>Units</i>	µg/L	µg/L	µg/L
<i>Parameter</i>			
<u>PCBs</u>			
PCB - 1016	NA	NA	NA
PCB - 1221	NA	NA	NA
PCB - 1232	NA	NA	NA
PCB - 1242	NA	NA	NA
PCB - 1248	NA	NA	NA
PCB - 1254	NA	NA	NA
PCB - 1260	NA	NA	NA
<u>Inorganics</u>			
cadmium	NA	NA	NA
chromium	NA	NA	NA
lead	NA	NA	NA

Notes:

ND () - Not detected above concentration in parentheses

NA - Not analyzed.

Analytical Methods: BTEX/MTBE 8260, PAHs 8270,

PCBs 8080, cadmium 6020, chromium 6010, lead 6020.

TABLE 3
COMPARISON TABLE FOR GROUNDWATER VERIFICATION
VACANT LOT - GM LENOX
PONTIAC, MICHIGAN
FACILITY ID NO. 5-001946

<i>Parameters</i>	<i>Method Detection Limit</i>	<i>Maximum Concentrations</i>	<i>Tier I Residential Groundwater Contact Criteria</i>
<u>BTEX</u>			
Benzene	5	2,500	9,200
Toluene	1	330	530,000
Ethylbenzene	1	1,900	170,000
Total xylenes	3	8,600	190,000
MTBE	5,000	ND	580,000
<u>PNAs</u>			
Acenaphthene	5	ND	4,200
Acenaphthylene	5	ND	ID
Anthracene	5	ND	43
Benzo(a)anthracene	5	ND	5
Benzo(a)pyrene	5	ND	5
Benzo(b)fluoranthene	5	ND	5
Benzo(g,h,i)perylene	5	ND	ID
Benzo(k)fluoranthene	5	ND	20
Chrysene	5	ND	5
Dibenzo(a,h)anthracene	5	ND	5
Fluoranthene	5	ND	210
Fluorene	5	ND	2,000
Indeno(1,2,3-cd)pyrene	5	ND	5
Naphthalene	5	120	31,000
Phenanthrene	5	ND	1,000
Pyrene	5	ND	140
<u>PCBs</u>			
PCB-1016	0.20	ND	2.4 (1)
PCB-1221	0.20	ND	2.4 (1)
PCB-1232	0.40	ND	2.4 (1)
PCB-1242	0.20	ND	2.4 (1)
PCB-1248	0.20	ND	2.4 (1)
PCB-1254	0.20	ND	2.4 (1)
PCB-1260	0.20	ND	2.4 (1)
<u>Inorganics</u>			
Cadmium	0.50	1.5	110,000
Chromium	50	ND	1,000,000
Lead	3.0	ND	ID

Notes:

(1) - Value is for total PCBs.

ND - Not detected above method detection limit.

ID - Insufficient data.

All concentrations are µg/L.

APPENDIX A
STRATIGRAPHIC LOGS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-02)
Page 1 of 1

PROJECT NAME: GM PONTIAC LENOX SITE
PROJECT NUMBER: 11752
CLIENT: GM
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: MW1A-98
DATE COMPLETED: FEBRUARY 9, 1998
DRILLING METHOD: 4X" HSA
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	"N" VALUE	PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	95.9 95.64					
2.5	CL-CLAY, some sand and silt, trace subrounded gravel, fine to medium grained, low plasticity, poorly graded, orange-brown, moist						
5.0							
7.5							
10.0							
12.5	CL-CLAY, little silt, trace fine grained sand and subrounded gravel, very stiff, low plasticity, poorly graded, gray-brown, moist, slightly mottled and oxidized	85.9		1SS	X	20	--
15.0	SW-SAND (TILL), little silt, trace subrounded gravel, medium dense, medium to coarse grained, well graded, olive, wet	81.9		2SS	X	19	--
17.5	CL-CLAY (NATIVE), little silt, trace subrounded gravel, stiff, medium plasticity, poorly graded, gray, moist, slight petroleum like odor	80.3		3SS	X	18	--
20.0	END OF HOLE @ 18.0ft BGS	77.9		4SS	X	10	--
22.5							
25.0							
27.5							
30.0							
32.5							

SCREEN DETAILS
Screened interval:
13.0 to 18.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
11.0 to 16.0ft BGS
Material: Sand

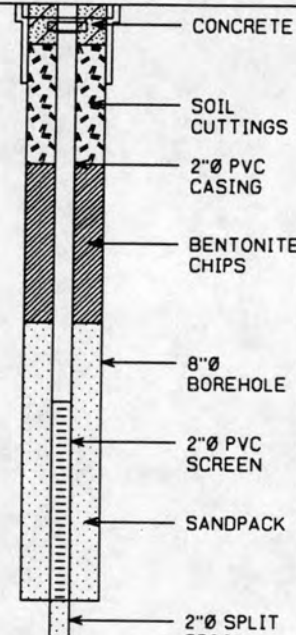
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼ ()

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-03)
Page 1 of 1

PROJECT NAME: GM PONTIAC LENOX SITE
PROJECT NUMBER: 11752
CLIENT: GM
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: MW2-98
DATE COMPLETED: FEBRUARY 9, 1998
DRILLING METHOD: 4 1/2" HSA
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	"N" VALUE	PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	94.5 94.27					
2.5	PL-SAND AND VEGETATIVE MATERIAL, trace silt, medium dense, medium grained, poorly graded, dark brown, moist to wet, sod	94.2		1SS	X	13	--
	SC-SAND (FILL), some clay, trace silt and subrounded gravel, loose, medium grained, poorly graded, orange-brown, moist			2SS	X	9	--
5.0	CL-CLAY, little silt, trace medium grained sand and subrounded gravel, very stiff, low plasticity, poorly graded, brown-gray, moist, slightly mottled	90.5		3SS	X	27	--
7.5				4SS	X	19	--
10.0	- hard			5SS	X	28	--
12.5	SW-SAND (TILL), little silt, trace subrounded gravel, medium dense, fine to coarse grained, well graded, gray, wet	82.5		6SS	X	37	--
15.0	CL-CLAY (NATIVE), little silt, trace subrounded gravel, stiff, medium plasticity, poorly graded, gray, moist	80.9		7SS	X	18	--
17.5	END OF HOLE @ 16.0ft BGS	78.5		8SS	X	11	--
20.0			SCREEN DETAILS Screened interval: 10.0 to 15.0ft BGS Length: 5.0ft Diameter: 2" Slot Size: #10 Material: PVC Sand Pack: 8.0 to 16.0ft BGS Material: Sand				
22.5							
25.0							
27.5							
30.0							
32.5							

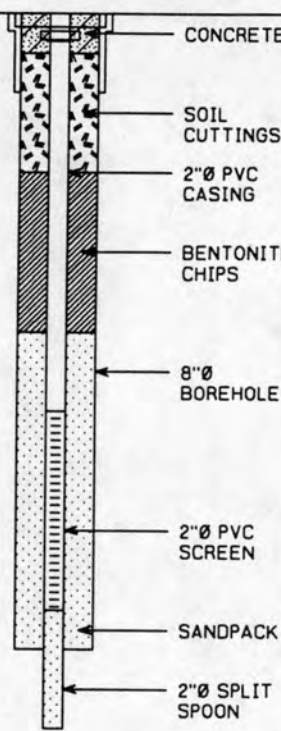
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ↓ STATIC WATER LEVEL ↓ ()

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-04)
Page 1 of 1

PROJECT NAME: GM PONTIAC LENOX SITE
PROJECT NUMBER: 11752
CLIENT: GM
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: MW3-98
DATE COMPLETED: FEBRUARY 9, 1998
DRILLING METHOD: 4 1/2" HSA
CRA SUPERVISOR: T. JOHNSON

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	95.3 95.07					
	PI-SAND AND VEGETATIVE MATERIAL, trace silt, medium dense, medium grained, poorly graded, dark brown, moist to wet, sod	94.9		1SS	X	12	--
2.5	SC-SAND (FILL), some clay, trace silt and subrounded gravel, medium dense, medium grained, poorly graded, orange-brown, moist	93.3		2SS	X	12	--
5.0	CL-CLAY (FILL), little silt and medium grained sand, trace subrounded gravel, stiff, low plasticity, poorly graded, light brown, moist			3SS	X	20	--
7.5	CL-CLAY, little silt, trace fine grained sand and subrounded gravel, very stiff, low plasticity, gray-brown, moist, slightly mottled	89.3		4SS	X	25	--
10.0	- stiff, slight petroleum-like odor			5SS	X	27	--
12.5	SW-SAND (TILL), little silt, trace subrounded gravel, loose, fine to coarse grained, well graded, dark gray, wet, moderate petroleum like odor	83.7		6SS	X	14	--
15.0	CL-CLAY (NATIVE), little silt, trace subrounded gravel, stiff, medium plasticity, poorly graded, gray, moist, faint petroleum like odor	81.7		7SS	X	7	--
17.5				8SS	X	14	--
				9SS	X	13	--
	END OF HOLE @ 18.0ft BGS	77.3					
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

SCREEN DETAILS
Screened interval:
10.0 to 15.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
8.0 to 18.0ft BGS
Material: Sand

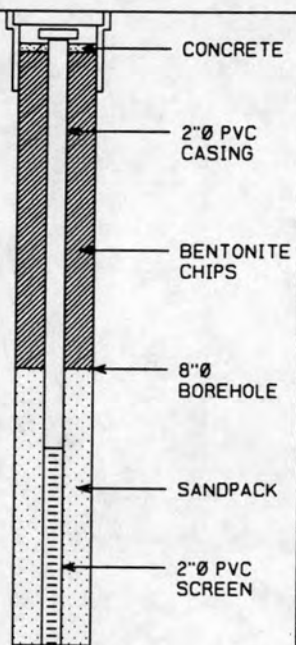
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼ ()

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-05)
Page 1 of 1

PROJECT NAME: GM PONTIAC LENOX SITE
PROJECT NUMBER: 11752
CLIENT: GM
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: MW4-98
DATE COMPLETED: AUGUST 14, 1998
DRILLING METHOD: 4 1/2" HSA/DIRECT PUSH
CRA SUPERVISOR: S. McVAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
	GRASS, HAIR-LIKE ROOTS	-0.2					
-2.5	SW-SAND, trace clay and gravel, fine to medium grained, well graded, yellowish-brown, moist - some clay		 CONCRETE 2"Ø PVC CASING BENTONITE CHIPS 8"Ø BOREHOLE SANDPACK 2"Ø PVC SCREEN	1SS			0.3
-5.0				2SS			3.2
				3SS			4.4
-7.5	CL-CLAY, trace gravel, stiff, low plasticity, yellowish-orange, moist - little silt, very stiff, dark gray	-6.3		4SS			3.2
-10.0				5SS			2.3
-12.5	SW-SAND, little silt and clay, trace gravel, fine to medium grained, yellowish-orange, moist	-11.2		6SS			3.4
	CL-CLAY, little sand, trace gravel, medium plasticity, dark gray, moist to wet	-12.3		7SS			4.2
-15.0				8SS			3.0
	END OF HOLE @ 16.0ft BGS	-16.0					
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

SCREEN DETAILS
Screened interval:
11.0 to 16.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
9.0 to 16.0ft BGS
Material: Sand

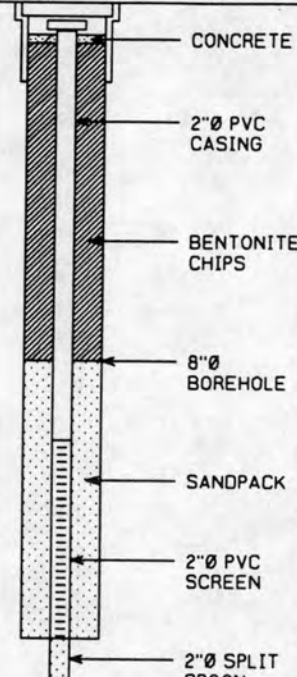
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-07)
Page 1 of 1

PROJECT NAME: GM PONTIAC LENOX SITE
PROJECT NUMBER: 11752
CLIENT: GM
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: MW5-98
DATE COMPLETED: AUGUST 14, 1998
DRILLING METHOD: 4 1/2" HSA/DIRECT PUSH
CRA SUPERVISOR: S. McVAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	"N" VALUE	PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	92.6 92.32					
	GRASS, HAIR-LIKE ROOTS	92.4					
2.5	SW-SAND, little clay, trace gravel, fine to medium grained, well graded, light brown to dark brown, moist - some clay, light gray to yellowish-orange		 CONCRETE 2"Ø PVC CASING BENTONITE CHIPS 8"Ø BOREHOLE SANDPACK 2"Ø PVC SCREEN 2"Ø SPLIT SPOON	1SS			0.0
				2SS			0.1
5.0				3SS			3.7
7.5	CL-CLAY, some sand, trace gravel and silt, medium plasticity, yellowish-orange with light gray seams, moist - trace sand, dense, low plasticity, brown with orange streaks	87.4		4SS			1.5
10.0	- encounter concrete 2" recovery			5SS			4.2
12.5				6SS			--
15.0	SW-SAND, little gravel, trace silt, fine to coarse grained, well graded, light gray, wet - black, strong gasoline-like odor	79.1		7SS			15.8
		77.3		8SS			>1000
17.5	CL-CLAY, some silt, trace sand and gravel, low plasticity, stiff, light gray to dark gray, wet to moist END OF HOLE @ 17.0ft BGS	75.6		9SS			0.3
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

SCREEN DETAILS
Screened interval:
11.0 to 16.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
9.0 to 17.0ft BGS
Material: Sand

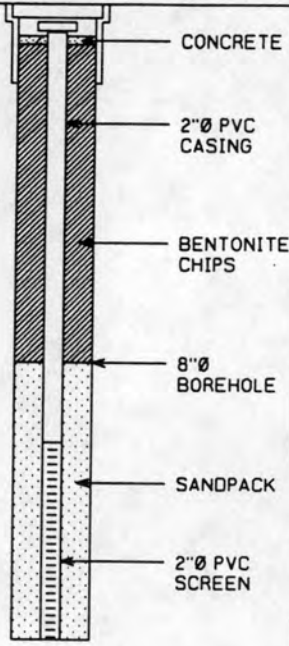
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼ ()

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-08)
Page 1 of 1

PROJECT NAME: GM PONTIAC LENOX SITE
PROJECT NUMBER: 11752
CLIENT: GM
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: MW6-98
DATE COMPLETED: AUGUST 13, 1998
DRILLING METHOD: 4 1/2" HSA
CRA SUPERVISOR: M. DOWNING

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	94.0 93.73					
	TOPSOIL & VEGETATIVE-LIKE MATERIAL	93.5		1SS	X	13	0.0
-2.5	SM-SAND (FILL), trace gravel and silt, medium dense, fine grained, poorly graded, yellowish-orange, moist			2SS	X	14	0.0
		90.0		3SS	X	24	0.0
-5.0	SC-SAND (NATIVE), some silt, little clay, trace gravel, medium dense, very fine grained, poorly graded, yellowish-orange, moist			4SS	X	19	0.0
-7.5		86.0		5SS	X	22	0.0
-10.0	CL-CLAY (NATIVE) some silt, trace silt and sub rounded gravel, very stiff, low plasticity, light brown, moist			6SS	X	30	0.0
-12.5		80.5 80.0		7SS	X	16	64.8
-15.0	SP-SAND (NATIVE), little gravel, trace silt, medium dense, fine grained, olive gray, wet			8SS	X	12	0.0
	CL-CLAY (NATIVE), little sand and silt, trace gravel, stiff, low plasticity, light gray, moist	78.0					
-17.5	END OF HOLE @ 16.0ft BGS						
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

SCREEN DETAILS

Screened interval:
11.0 to 16.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
9.0 to 16.0ft BGS
Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼ ()

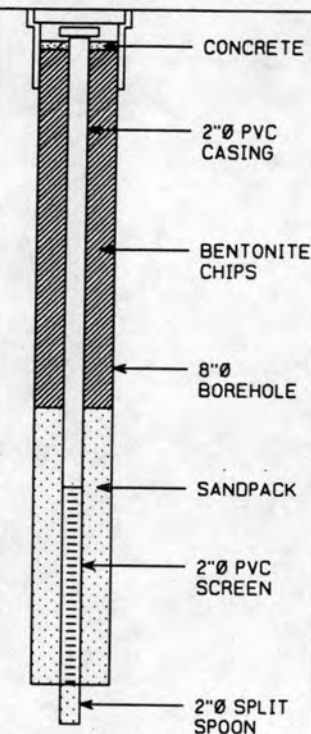
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-09)
Page 1 of 1

PROJECT NAME: GM PONTIAC LENOX SITE
PROJECT NUMBER: 11752
CLIENT: GM
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: MW7-98
DATE COMPLETED: AUGUST 13, 1998
DRILLING METHOD: 4" HSA/DIRECT PUSH
CRA SUPERVISOR: M. DOWNING

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	"N" VALUE	PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	92.9 92.63					
	TOPSOIL & VEGETATIVE-LIKE MATERIAL	92.4					
-2.5	SM-SAND (FILL), some silt, trace gravel, medium dense, fine grained, poorly graded, yellowish-orange, moist	90.9		1SS	X	15	8.9
-5.0	ML-SILT (NATIVE), some clay, little fine grained sand, trace subrounded gravel, medium dense, light brown, moist			2SS	X	14	17.9
-7.5				3SS	X	16	34.8
-10.0	CL-CLAY (NATIVE), trace sand and subrounded gravel, very stiff, low plasticity, olive-gray, moist - little silt	83.9		4SS	X	26	3.9
-12.5				5SS	X	20	0.0
-15.0	SW-SAND (NATIVE), trace gravel and silt, fine grained, well graded, light brown, moist - wet	79.4		6SS	X		12.7
-17.5	CL-CLAY (NATIVE), some silt trace sand and gravel, low plasticity, dark gray, moist	76.9		7SS	X		2.9
-20.0	END OF HOLE @ 18.0ft BGS	74.9		8SS	X		7.9
-22.5				9SS	X		4.2
-25.0							
-27.5							
-30.0							
-32.5							



SCREEN DETAILS
Screened interval:
12.0 to 17.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
10.0 to 18.0ft BGS
Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼ ()

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-10)
Page 1 of 1

PROJECT NAME: GM PONTIAC LENOX SITE
PROJECT NUMBER: 11752
CLIENT: GM
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: MW8-98
DATE COMPLETED: AUGUST 13, 1998
DRILLING METHOD: 4X" HSA/DIRECT PUSH
CRA SUPERVISOR: M. DOWNING

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	N' VALUE	PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	91.7 91.49					
	CONCRETE		CONCRETE				
-2.5	ML/CL-SILT AND CLAY (NATIVE), little sand, trace gravel, light brown and gray mix, moist	89.7	2"Ø PVC CASING	1SS	X		113.1
-5.0			BENTONITE CHIPS	2SS	X		91.2
-7.5	ML-SILT (NATIVE), little clay, trace subrounded gravel, light brown and dark gray mix, moist	85.7	8"Ø BOREHOLE	3SS	X		4.2
-10.0	SP-SAND (NATIVE), poorly graded, fine grained, black, gold, brown grains, moist, 1-2" seams	83.2 81.7		4SS	X		0.0
-12.5	CL-CLAY (NATIVE), some silt, trace sand and subrounded gravel, low plasticity, dark gray, moist		SANDPACK	5SS	X		0.0
-15.0	SP-SAND (NATIVE), trace silt and gravel, fine grained, poorly graded, light brown, wet	78.7	2"Ø PVC SCREEN	6SS	X		5.2
-17.5			NATURAL CAVE IN	7SS	X		4.9
-20.0	CL-CLAY (NATIVE), some silt, little sand, trace gravel, low plasticity, dark gray, moist	73.7	2"Ø SPLIT SPOON	8SS	X		0.0
-22.5	END OF HOLE @ 20.0ft BGS	71.7		9SS	X		0.0
-25.0							
-27.5							
-30.0							
-32.5							

SCREEN DETAILS
Screened interval:
11.0 to 16.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
9.0 to 16.0ft BGS
Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼ ()

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-11)
Page 1 of 1

PROJECT NAME: GM PONTIAC LENOX SITE
PROJECT NUMBER: 11752
CLIENT: GM
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: MW9-98
DATE COMPLETED: AUGUST 13, 1998
DRILLING METHOD: 4" HSA/DIRECT PUSH
CRA SUPERVISOR: M. DOWNING

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	92.2 91.96					
	ASPHALT	92.0					
2.5	SP-SAND (FILL), trace silt and gravel, fine grained, poorly graded, yellowish-orange, moist		CONCRETE	1SS			0.0
			2"Ø PVC CASING	2SS			0.0
5.0	ML-SILT (NATIVE), little sand and clay, trace gravel, light brown, moist	88.4		3SS			4.8
		86.7	BENTONITE CHIPS	4SS			6.8
7.5	CL-CLAY (NATIVE), some silt, trace sand and gravel, low plasticity, light brown, moist - peat seam	84.7		5SS			1.1
		82.7	8"Ø BOREHOLE	6SS			0.9
10.0	CL-CLAY (NATIVE), some silt, trace sand and gravel, low plasticity, light brown and dark gray mix, moist - dark gray		SANDPACK	7SS			9.5
12.5			2"Ø PVC SCREEN	8SS			2.1
15.0	SW-SAND (NATIVE), trace silt and gravel, fine grained, well graded, olive-gray, wet	78.2		9SS			NA
17.5		74.2	2"Ø SPLIT SPOON	10SS			0.0
20.0	END OF HOLE @ 20.0ft BGS	72.2					
22.5							
25.0							
27.5							
30.0							
32.5							

SCREEN DETAILS
Screened interval:
12.0 to 17.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
10.0 to 20.0ft BGS
Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼ ()

APPENDIX B

SUMMARY OF ADDITIONAL GROUNDWATER INVESTIGATIONS

SUMMARY OF ADDITIONAL GROUNDWATER INVESTIGATIONS

CRA has completed additional groundwater investigative activities at the Site subsequent to the submittal of the Parsons FAR. The additional activities are discussed below.

A. FEBRUARY 1998 WELL INSTALLATION ACTIVITIES

In February 1998, three monitoring wells (MW1-98, MW2-98, and MW3-98) were installed at the Site, under the direction of CRA. The monitoring wells were developed/purged and sampled. Groundwater samples were collected from each of the wells and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX); polyaromatic hydrocarbons (PAHs); polychlorinated biphenyls (PCBs); and cadmium, chromium, and lead. The results were reported to MDEQ-STD on February 25, 1998, and are also included in Table 2 of the Closure Report.

B. MARCH 1998 SAMPLING ACTIVITIES

In March 1998, seven soil borings (BH1-98 through BH7-98) were installed at the Site, under the direction of CRA, using the direct-push method (i.e. Geoprobe ®). Temporary monitoring wells were then installed in each of the borehole locations. Groundwater samples were collected from each of the temporary wells and analyzed for BTEX and methyl-tert-butyl ether (MTBE), which were identified in the previous sampling round as the parameters of concern. The results were reported to MDEQ-STD on March 31, 1998, and are also included in Table 2 of the Closure Report.

C. AUGUST 1998 ACTIVITIES

C.1 MONITORING WELL INSTALLATION

In August 1998, six additional monitoring wells (MW4-98 through MW9-98) were installed at the Site, under the direction of CRA. The monitoring wells were developed/purged and sampled. Groundwater samples were collected from each of the additional wells (except MW4-98, where no water was present) and analyzed for BTEX and MTBE. The results are included in Table 2 of the Closure Report.

C.2 PUMPING TESTS

CRA also conducted bail-down and pumping tests in August 1998 to re-evaluate the hydrogeologic conditions of the Site (e.g., yield and hydraulic conductivity). These tests were conducted on the existing and newly installed monitoring wells. The results of the tests indicate that the potable groundwater pathway may be eliminated. Documentation to support this determination is provided below:

- The average saturated thickness measured in Site monitoring wells is 2.3 feet. Also, the well yield in Site monitoring wells based on aquifer pump tests is considerably less than 0.1 gallons/minute (0.05 – 0.07 gallons/minute);
- A continuous confining layer exists across the entire Site, and the saturated zone is not in lateral or vertical communications with a lower adjacent aquifer (see Appendix A and Figures 4 and 5);
- Water well records obtained from the local health department confirmed that no “crock wells” for private potable water supplies exist within 500 feet of the Site;
- MDEQ – Drinking Water and Radiological Protection Division confirmed that the Site is not located in an approved local wellhead protection area;
- No surface water bodies are located within the vicinity of the Site;
- Local geology supports the determination of “groundwater not in an aquifer”;
- Figure 2 presents a map of paved areas near the Site;
- Figure 2 presents a map of all buried utility corridors;
- Groundwater elevations at the Site can be reasonably predicted, and support a groundwater flow direction to the southeast;
- Figures 4 and 5 present the thickness of the saturated zone across the Site;
- No other subsurface drainage structures or unusual characteristics exist; and
- Monitoring wells were properly constructed and developed in accordance with standard operating practices.

Correspondence

STATE OF MICHIGAN



JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973

INTERNET: <http://www.deq.state.mi.us>

RUSSELL J. HARDING, Director
November 5, 1996

REPLY TO:

UNDERGROUND STORAGE TANK DIVISION
TOWN CENTER
PO BOX 30157
LANSING MI 48909-7857

CERTIFIED MAIL

Dear Owner/Operator:

SUBJECT:

Facility ID No. 5-001946, Confirmed Release No. C-889-96

VACANT LOT

NE CORNER JOSLYN & LENOX

PONTIAC, MI

On 11-01-96, the Department of Environmental Quality (DEQ), Underground Storage Tank Division (USTD), was notified that there was a release of a regulated substance from an underground storage tank (UST) system at the above location. Attached is a copy of the confirmed release report. **YOU ARE REQUIRED TO HIRE A QUALIFIED CONSULTANT, WHO WAS CERTIFIED BY THIS OFFICE, TO CONDUCT ALL APPROPRIATE CORRECTIVE ACTIONS AT THIS LOCATION, INCLUDING SUBMISSION OF REPORTS BY THE DEADLINES.** This letter and attachments are to help your understanding of the following: site investigation and cleanup requirements; forms and reporting requirements; and penalties for late reports and fraud. If necessary, contact the USTD SOUTHEAST MICHIGAN DISTRICT OFFICE at (313) 953-1450 for further guidance.

Part 213 specifies actions a UST owner or operator is required to take when a release is discovered. Please refer to Part 213 and the attached flow chart to help guide you through the requirements. USTD approval is needed for any institutional controls that are a part of the cleanup program. The USTD may audit or oversee all aspects of corrective actions undertaken pursuant to Part 213. To assist the USTD in this capacity, you are required to contact our district office at least 48 hours prior to conducting on-site activities, using the attached form.

The USTD requires the use of forms to assist in the reporting requirements. The required forms are available from the district office. A LUST report cover sheet should be submitted with each report. In addition, you are required to notify the USTD of any changes to your UST system using a registration form.

Be advised that pursuant to Section 21313a and 21323, the owner or operator is subject to penalties for not preparing and submitting the reports outlined in Part 213. Section 21324 provides that a person who submits or causes to be submitted false or misleading information may be found guilty of fraud.

Please include the Facility ID No. found under "Subject" at the top of this notification with each submittal and on any future correspondence. Should you have question regarding this letter, or need additional information, please contact the USTD SOUTHEAST MICHIGAN DISTRICT OFFICE at (313) 953-1450.

Sincerely,

A handwritten signature in cursive script, appearing to read "Terri Harmon".

Terri Harmon
Enforcement Unit

Enclosures

cc: SOUTHEAST MICHIGAN DISTRICT OFFICE

Department of Environmental Quality
Underground Storage Tank Division
District ?

CONFIRMED RELEASE REPORT*GM - Joslyn + Lenox Vacant Lot*Owner Information

GM CORPORATION
ARGONAUT "A-1004H M/C 482-310004
485 W MILWAUKEE AVENUE
DETROIT, MI 48202

Owner Phone: (313) 556-0821

Contact: KEITH WEST
Phone: (313) 556-0821

Location of Tanks

VACANT LOT
NE CORNER JOSLYN & LENOX
PONTIAC, MI <nozip>

County: OAKLAND
City:

Location Phone:

Date Release Discovered: CONFIRMED RE, 11/01/96

Time Release Discovered/Reported:

REPORTED 11/1/96 17:54 FAX

Date Release Reported: 11/01/96

Tank Information and Product Released:

Cause: GAS AND/OR WASTE OIL - TANKS REMOVED

Product: Product Code: <missing>

Estimated Quantity Lost: unknown

Detection Method:

1) LAB RESULTS

Comments (For USTD use only):

REPORTED 11/1/96 17:54 FAX

- ☒ NEW release
☐ PREVIOUS release
☐ FILE NAME CORRECT? (If not,
PLEASE INDICATE CHANGE at top.)

Reporting Party Information:

KEITH WEST - GM
CONSULTANT
(313) 556-0821

DATE ENTERED INTO DATABASE:

11-7-96

**LEAKING UNDERGROUND STORAGE TANK
SUPPLEMENTAL REPORT COVER SHEET***Authorized by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), Part 213.***INSTRUCTIONS:** Complete this form with all applicable information. Attach this form to all supplemental LUST submittals; this includes all reports other than the Initial Assessment, Final Assessment, and Closure Reports. The Certified Underground Storage Tank Professional (CP) **MUST** sign below.**IDENTIFY TYPE OF SUPPLEMENTAL REPORT:** Request for Schedule Extension - FAR

442603

FACILITY NAME: Vacant Lot - GM Lenox

FACILITY ID NUMBER: 5-001946

STREET ADDRESS: Northeast Corner of Joslyn and Lenox

MERA SITE ID NUMBER:

CITY: Pontiac

STATE: Michigan

ZIP CODE: 48340

COUNTY: Oakland

DATE(S) RELEASE(S) DISCOVERED: November 1, 1996

CONFIRMED RELEASE NUMBER(S): C-889-96

O/O NAME: General Motors Corporation

MUSTFA CLAIM NUMBER: None

O/O STREET ADDRESS: 485 West Milwaukee Avenue, Mail Code 482-310-004

CITY: Detroit

STATE: Michigan

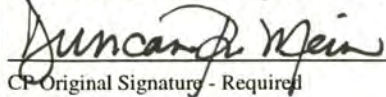
ZIP CODE: 48202-3220

CONTACT PERSON: Ken Richards

PHONE NUMBER: (313) 556-3196

ANSWER ALL QUESTIONS1. Type(s) of product released: **Unknown.**2. Free product present: a. Currently? ☐ YES ☒ NO If YES, total gallons recovered since last report:
b. Previously? ☐ YES ☒ NO If YES, total gallons recovered to date:3. Have vapors been identified in any confined spaces (basement, sewers)? ☐ YES ☒ NO4. Estimated depth to groundwater: **8 ft. BGS**Estimated groundwater flow direction: **Unknown.**

5. Estimated distance and direction from point of release to nearest:

a. Private well: **>1 mile to S**b. Municipal well: **>1 mile to S**c. Surface water/wetland: **5,000 ft WSW**6. Since last report: a. cubic yards of soil remediated: **0**b. gallons of groundwater remediated: **0**7. Totals to date: a. cubic yards of soil remediated: **0**b. gallons of groundwater remediated: **0**8. Michigan RBCA Site Classification (1-4): **4****CERTIFICATION OF REPORT COMPLETION**I, the undersigned CP, hereby attest to the best of my knowledge and belief that the statements in this document and all attachments are true, accurate, and complete. I certify that it was submitted to the USTD on February 25, 1998.
CP Original Signature - Required2/25/98
Date

(date submitted-Required)

Glenn Turchan

PRINT QC Project Manager's Name

Duncan R. Mein CPN 597

PRINT CP's Name

Conestoga-Rovers & Associates, Inc. Z0261

NAME OF CONSULTING FIRM

11100 Metro Airport Center Drive, Suite 160, Romulus, Michigan 48174

ADDRESS

(313) 942-0909

PHONE NO.

(313) 942-1858

FAX NO.

STORAGE TANK DIVISION
SEMI DISTRICT OFFICE

Please return this completed report cover sheet and associated attachments to the appropriate USTD District Office listed on the back of this page.

FEB 26 1998

Page 1 of 2



**Worldwide Facilities Group
Environmental & Regulatory Support
Remediation Team**

February 25, 1998

Reference No. 11752

Ms. Valerie Burgess-Byrd
Michigan Department of Environmental Quality
Underground Storage Tank Division
38980 Seven Mile Road
Livonia, Michigan 48152

ORIGINAL
This Document Previously
Transmitted By Telecopier

Dear Ms. Burgess-Byrd:

Re: Request for Schedule Extension – Final Assessment Report
Confirmed Release: C-889-96
Facility ID No.: 5-001946
Vacant Lot – GM Lenox
Pontiac, Michigan

This letter serves to request an extension for submittal of the completed Final Assessment Report (FAR) for the above referenced confirmed release. A preliminary FAR was submitted to Michigan Department of Environmental Quality – Underground Storage Tank Division (MDEQ-USTD) by Parsons Engineering Science (Parsons) of Bingham Farms, Michigan on October 29, 1997. This preliminary FAR did not include a Feasibility Analysis or Corrective Action Plan, and stated that these items would be submitted as an addendum to the FAR within 120 days (by February 26, 1998).

Parsons' was unable to complete the FAR, due to the fact that Parsons' local office has recently closed. Conestoga-Rovers & Associates (CRA), a Qualified Consultant (QC), has been retained to provide and submit a complete FAR. Additional monitoring well installation and groundwater sampling activities were conducted by CRA in February 1998. Attachment A presents a memorandum which discusses the preliminary analytical sampling results.

Due to the recent QC project management changes, and supplemental sampling activities, an extension to submit a completed FAR is necessary. The FAR will be submitted to MDEQ – USTD by April 30, 1998.



February 25, 1998

Reference No. 11752

- 2 -

Please contact Ms. Liz Marsh Faler of CRA at (313) 942-0909 should you have any questions.

Yours truly,



for:

Ken Richards, Ph. D.
General Motors Corporation

EMF/lr/1/Det.
Encl.

c.c.: Liz Marsh Faler, CRA

CRA

651 Colby Drive
Waterloo, Ontario N2V 1C2
(519) 884-0510 (Colby Office)
(519) 725-3313 (Bathurst Office)

MEMO

TO: Ken Richards

REFERENCE NO. 11752

FROM: Liz Marsh Faler/lr/2/Det.

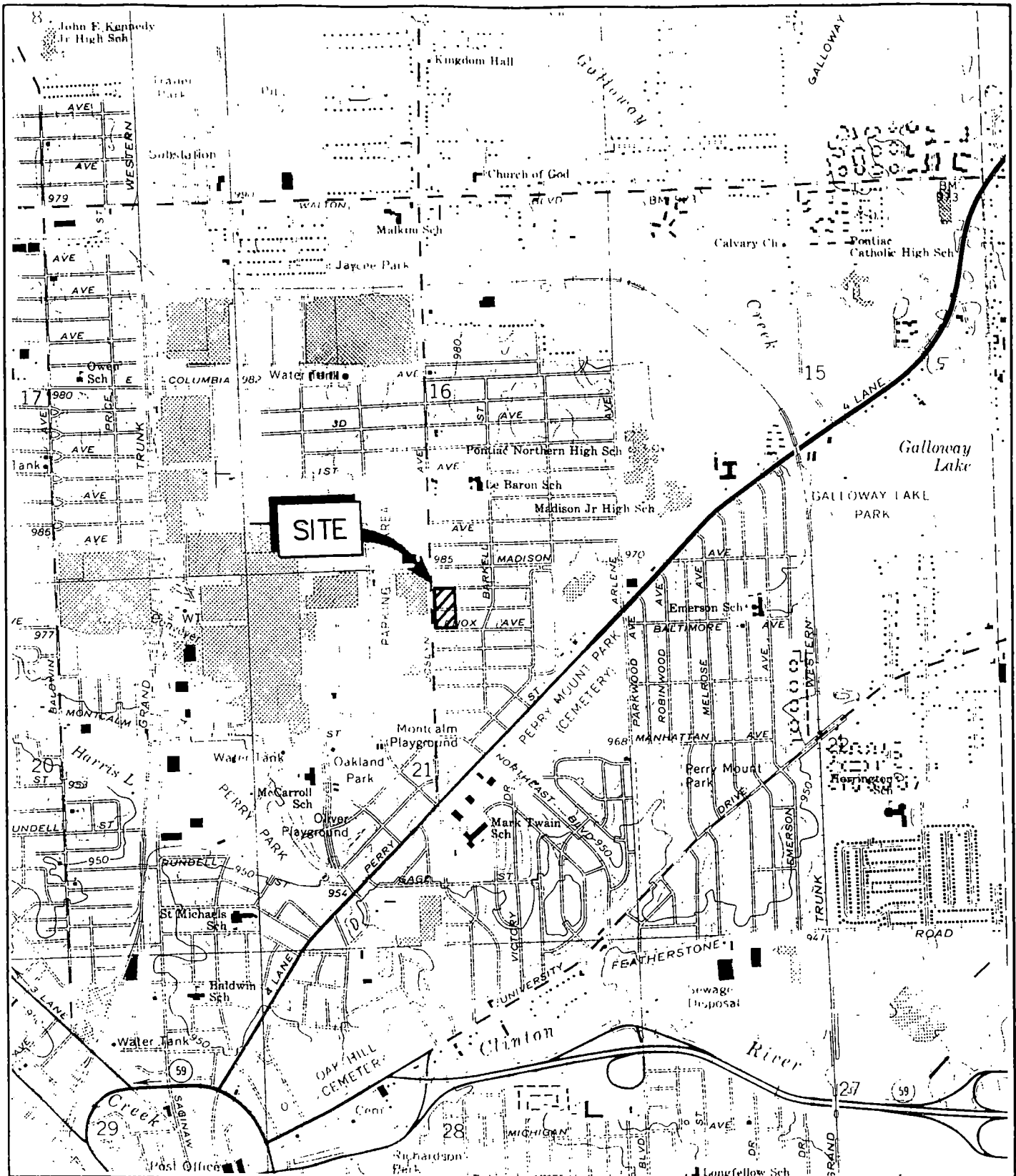
DATE: February 24, 1998

RE: Preliminary Analytical Results
Vacant Lot - GM Lenox
Pontiac, Michigan

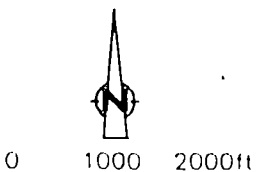
This memorandum presents the preliminary analytical results for groundwater samples collected at the Vacant Lot - GM Lenox (Site) located in Pontiac, Michigan. Figure 1 presents the Site location.

On February 9, 1998, three monitoring wells were installed at the Site by Environmental Drilling and Contracting, Inc. (EDAC) of Holland, Michigan, under the direction of Conestoga-Rovers & Associates, Inc. (CRA). Figure 2 presents the monitoring well locations. The monitoring wells were developed/purged, and sampled. Field analyses during purging included pH, temperature, specific conductivity, and turbidity.

On February 12, 1998, three groundwater samples were collected from the on-Site monitoring wells. The groundwater samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX); polyaromatic hydrocarbons (PAHs); polychlorinated biphenyls (PCBs); and cadmium, chromium, and lead. Table 1 presents the laboratory analytical results. It should be noted that MW-3 contains concentrations which exceed the Tier I Health-Based Drinking Water Values.



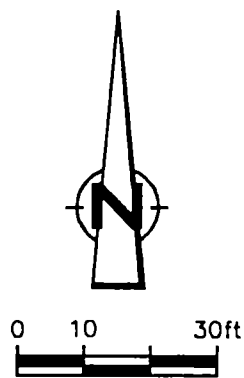
SOURCE: USGS QUADRANGLE MAP; PONTIAC NORTH, MICHIGAN



CRA



figure 1
SITE LOCATION
VACANT LOT – GM LENOX
Pontiac, Michigan



- LEGEND**
- ⊙ MW-1 APPROXIMATE MONITORING WELL LOCATION
 - SB001 FORMER SOIL BORING

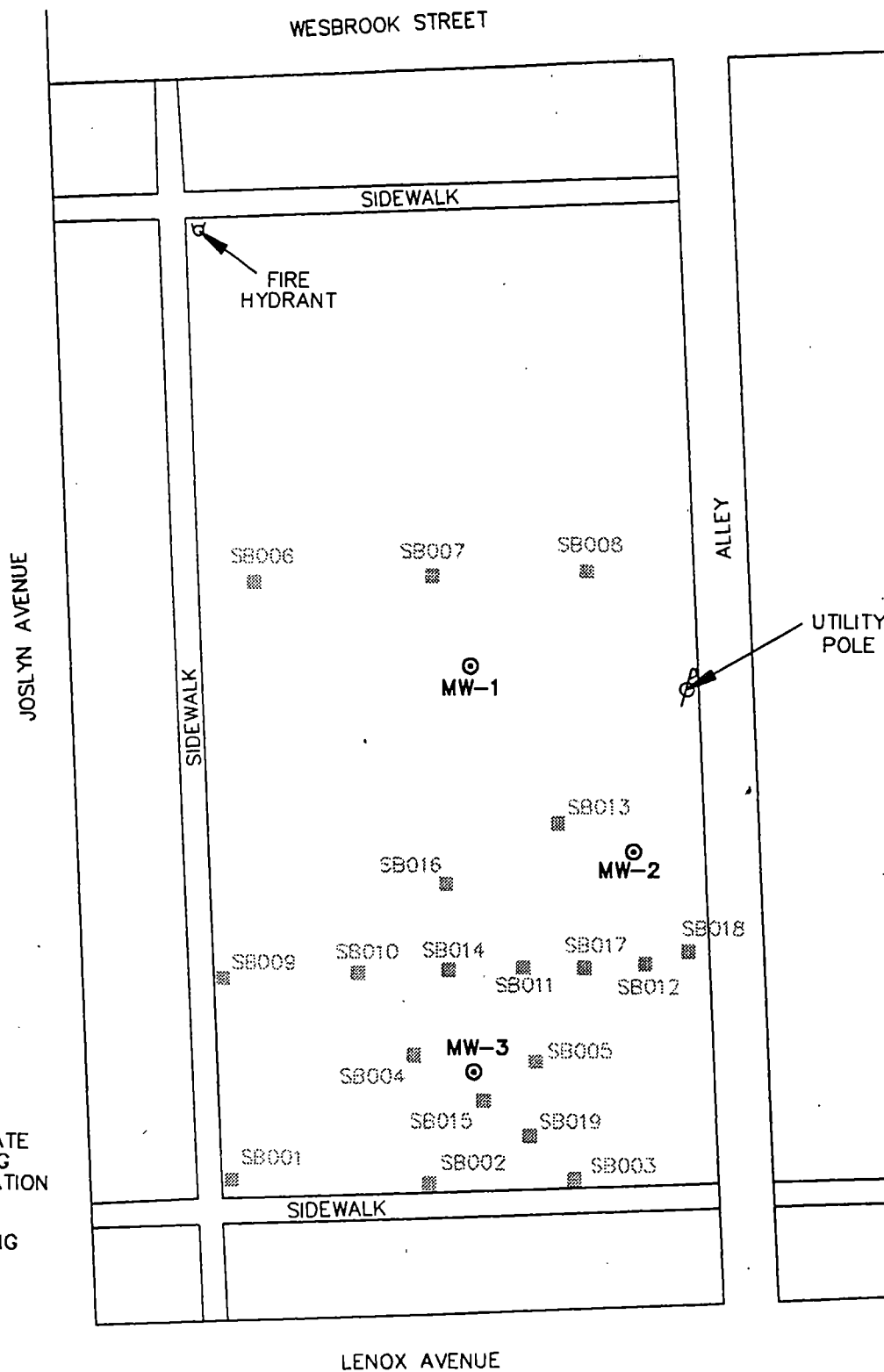


figure 2
MONITORING WELL LOCATIONS
VACANT LOT – GM LENOX
Pontiac, Michigan

CRA

TABLE 1

**SUMMARY OF ANALYTICAL RESULTS
VACANT LOT - GM LENOX
PONTIAC, MICHIGAN**

<i>Sample ID</i>	GW-11752-021298-SM-001	GW-11752-021298-SM-002	GW-11752-021298-SM-003	<i>Tier I Residential Health-Based Drinking Water Value (1)</i>	<i>Tier I Residential Groundwater Contact Criteria (1)</i>
<i>Sample Location</i>	MW-2-98	MW-1-98	MW-3-98		
<i>Date Sampled</i>	2/12/98	2/12/98	2/12/98		
<i>Units</i>	µg/L	µg/L	µg/L	µg/L	µg/L
<i>Parameter</i>					
<u>BTEX</u>					
benzene	ND (5)	ND (5)	2,500	5	9,300
toluene	ND (1)	ND (1)	330	790	526,000
ethylbenzene	ND (1)	ND (1)	1,600	74	169,000
total xylenes	ND (3)	ND (3)	4,000	280	186,000
<u>PAHs</u>					
acenaphthene	ND (5)	ND (5)	ND (5)	1,300	4,240
acenaphthylene	ND (5)	ND (5)	ND (5)	26	ID
anthracene	ND (5)	ND (5)	ND (5)	7,300	43
benzo(a)anthracene	ND (5)	ND (5)	ND (5)	1.2	4
benzo(a)pyrene	ND (5)	ND (5)	ND (5)	0.2	0.24
benzo(b)fluoranthene	ND (5)	ND (5)	ND (5)	1.2	2
benzo(g,h,i)perylene	ND (5)	ND (5)	ND (5)	26	ID
benzo(k)fluoranthene	ND (5)	ND (5)	ND (5)	12	20
chrysene	ND (5)	ND (5)	ND (5)	120	400
dibenzo(a,h)anthracene	ND (5)	ND (5)	ND (5)	0.12	0.11
fluoranthene	ND (5)	ND (5)	ND (5)	880	206
fluorene	ND (5)	ND (5)	ND (5)	880	1,980
indeno(1,2,3-c,d)pyrene	ND (5)	ND (5)	ND (5)	1.2	0.022
naphthalene	ND (5)	ND (5)	120	260	31,000
phenanthrene	ND (5)	ND (5)	ND (5)	26	1,000
pyrene	ND (5)	ND (5)	ND (5)	550	135

TABLE 1

**SUMMARY OF ANALYTICAL RESULTS
VACANT LOT - GM LENOX
PONTIAC, MICHIGAN**

<i>Sample ID</i>	GW-11752-021298-SM-001	GW-11752-021298-SM-002	GW-11752-021298-SM-003	<i>Tier I Residential Health-Based Drinking Water Value (1)</i>	<i>Tier I Residential Groundwater Contact Criteria (1)</i>
<i>Sample Location</i>	MW-2-98	MW-1-98	MW-3-98		
<i>Date Sampled</i>	2/12/98	2/12/98	2/12/98		
<i>Units</i>	µg/L	µg/L	µg/L	µg/L	µg/L
<i>Parameter</i>					
<u>PCBs</u>					
PCB - 1016	ND (0.20)	ND (0.20)	ND (0.20)	0.5 (2)	2.4 (2)
PCB - 1221	ND (0.20)	ND (0.20)	ND (0.20)	0.5 (2)	2.4 (2)
PCB - 1232	ND (0.40)	ND (0.40)	ND (0.40)	0.5 (2)	2.4 (2)
PCB - 1242	ND (0.20)	ND (0.20)	ND (0.20)	0.5 (2)	2.4 (2)
PCB - 1248	ND (0.20)	ND (0.20)	ND (0.20)	0.5 (2)	2.4 (2)
PCB - 1254	ND (0.20)	ND (0.20)	ND (0.20)	0.5 (2)	2.4 (2)
PCB - 1260	ND (0.20)	ND (0.20)	ND (0.20)	0.5 (2)	2.4 (2)
<u>Inorganics</u>					
cadmium	ND (0.50)	1.5	ND (0.50)	5	110,000
chromium	ND (50)	ND (50)	ND (50)	100	1,000,000
lead	ND (3.0)	ND (3.0)	ND (3.0)	4	ID

Notes:

ND () - Not detected above concentration in parentheses.

ID - Insufficient Data.

(1) MDEQ - USTD Operational Memorandum No. 4, Revision 1, November 6, 1996.

(2) Value is for total PCBs.

Bolded values exceed Tier I Residential Health-Based Drinking Water Values.



JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973

INTERNET: <http://www.deq.state.mi.us>

RUSSELL J. HARDING, Director

REPLY TO:

SE MICHIGAN DISTRICT OFFICE
38980 SEVEN MILE RD
LIVONIA MI 48152-1006

March 3, 1998

Mr. Ken Richards
General Motors Corporation
485 West Milwaukee Avenue
Mail Code 482-310-004
Detroit, Michigan 48202-3220

Dear Mr. Richards:

SUBJECT: Vacant Lot - GM Lenox
Northeast Corner of Joslyn and Lenox
Pontiac, Oakland County, Michigan
Facility ID: 5-001946
Confirmed Release Number: C-889-96
Final Assessment Report: Denial of Time Extension

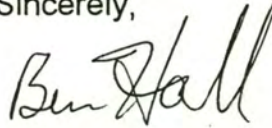
Dear Mr. Richards:

This will acknowledge receipt of your letter dated February 25, 1998, requesting an extension of time for your submittal of the Final Assessment Report (FAR) for the release of a regulated substance from your underground storage tank (UST) system. The Department of Environmental Quality (DEQ), Underground Storage Tank Division (USTD) may grant an extension of reporting time frames for good cause, pursuant to Section 21313a(3) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451).

Section 21313a(3) of Act 451 requires that owners/operators (O/Os) request an extension of time for submitting a report in writing 15 days prior to the deadline. Based upon your submittal date, we cannot grant your request. You should expedite the delivery of the report. Please note that we will provide notification by certified mail if we decide to start imposition of administrative penalties for delays in the submittal of the subject report. We will consider the reasons for delay given in your extension request when making this determination and the actual date of receipt of the report (if submitted). The penalties may begin to accrue as of the date of receipt of the notification letter. In addition to the certified mail notification, we may red tag the tanks at the subject facility prohibiting delivery of product.

Please contact Mr. Paul Owens at 734-953-1534 if you have any further questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Ben Hall". The signature is fluid and cursive, with the first name "Ben" and last name "Hall" clearly distinguishable.

Ben Hall
District Supervisor
Southeast Michigan District Office
734-953-1427

BGH/PO/pbg

cc: Mr. Duncan Mein, Conestoga Rovers & Associates, Inc.
Mr. Paul Owens, USTD



**Worldwide Facilities Group
Environmental & Regulatory Support
Remediation Team**

May 22, 1998

Reference No. 11752

Ms. Jeanne Schlaufman
Michigan Department of Environmental Quality
Underground Storage Tank Division
38980 Seven Mile Road
Livonia, Michigan 48152



Dear Ms. Schlaufman:

Re: Request for Schedule Extension – Final Assessment Report
Confirmed Release: C-889-96
Facility ID No.: 5-001946
Vacant Lot – GM Lenox
Pontiac, Michigan

This letter serves to request an extension for submittal of the completed Final Assessment Report (FAR) for the above referenced confirmed release. A preliminary FAR was submitted to Michigan Department of Environmental Quality – Underground Storage Tank Division (MDEQ-USTD) by Parsons Engineering Science (Parsons) of Bingham Farms, Michigan on October 29, 1997. This preliminary FAR did not include a complete characterization of the Site, did not include a Feasibility Analysis or Corrective Action Plan, and stated that these items would be submitted as an addendum to the FAR within 120 days (by February 26, 1998).

Parsons' was unable to complete the FAR, due to the fact that Parsons' local office has recently closed. Conestoga-Rovers & Associates (CRA), a Qualified Consultant (QC), has been retained to provide and submit a complete FAR. Additional monitoring well installation and groundwater sampling activities were conducted by CRA in February 1998.

CRA has recently conducted additional groundwater sampling activities on-Site in mid-March 1998. These sampling activities indicate affected groundwater near the property boundary above Tier I Residential Health Based Drinking Water Criteria, but below Tier I Residential Groundwater Contact Criteria. Additional off-Site sampling activities are required in order to define the extent of contamination, and determine the effect of the release to off-Site properties, if any.

Based on the results of supplemental sampling activities (to be completed), a definitive extension to submit a completed FAR is necessary. The FAR will be submitted to MDEQ-USTD

May 22, 1998

Reference No. 11752

- 2 -

by August 31, 1998. This extension will allow off-Site access to be obtained. The following schedule will be utilized prior to submittal of the completed FAR:

- June 1998 Coordinate Off-Site Access
- Late June/July 1998 Complete Supplemental Sampling Activities
- Late July/August 1998 Complete FAR

Please contact Ms. Liz Marsh Faler of CRA at (734) 942-0909 should you have any questions.

Yours truly,

Duncan R. Nien, P.E. (CRA), for

Ken Richards, Ph. D.
General Motors Corporation

EMF/rm/1/Det.
Encl.

c.c.: Paul Owens, MDEQ-USTD
Liz Marsh Faler, CRA

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK DIVISION

NOTICE OF ON-SITE WORK ACTIVITY FAX TRANSMITTAL

Authorized by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, (Act 451), Part 213

INSTRUCTIONS: Complete this form to notify the Underground Storage Tank Division (USTD) 48 hours in advance of on-site activities as required under Act 451. Failure to provide this notification may result in fines as provided in Act 451. See reverse side for a complete list of USTD District Offices and fax numbers.

Today's Date 8/17/98 Time 10:50 AM No. of pages including transmittal sheet 1

SENT TO:

MDEQ Project Manager or District Supervisor: Paul Owens
District Office: Southeast
Telephone Number: (734) 953-8905 Fax Number: (734) 432-1295

SENT BY:

Site Contact Person: Liz Marsh Faler
Company/Division: Conestoga - Rovers & Associates
Address: 1100 Metro Airport Center Drive, Suite 160
Romulus, MI 48174
Telephone Number: (734) 942-0909 Fax Number: (734) 942-1858

SITE INFORMATION:

Facility Name: Vacant lot - GM Lenox
Contact Person: Ken Richards Phone Number: (313) 556-3196
Address: NE corner of Lenox & Joslyn County: Oakland
Pontiac, MI
Facility ID#: 5-001946 MERA Site ID#: —
On-Site Work Dates: August 18, 1998

NOTE - TELEPHONE THE DISTRICT OFFICE ASAP IF SCHEDULE CHANGES.

Starting Time: 9:00AM Ending Time: 12:00 PM
Type of Activity: Sampling of monitoring wells

Location: Southeast corner of Site



Conestoga-Rovers & Associates

11100 Metro Airport Center Drive, Suite #160
Romulus, Michigan 48174
(734) 942-0909 Office (734) 942-1858 Fax

442603

August 28, 1998

Reference No. 11752

Ms. Faye Mitchell
Michigan Department of Environmental Quality
Storage Tank Division
38980 Seven Mile Road
Livonia, Michigan 48152

Dear Ms. Mitchell:

Re: Request for Schedule Extension – Final Assessment Report
Confirmed Release: C-889-96
Facility ID No.: 5-001946
Vacant Lot – GM Lenox
Pontiac, Michigan



On behalf of Dr. Ken Richards of General Motors Corporation (GM), this letter serves to request an extension for submittal of the completed Final Assessment Report (FAR) for the above referenced confirmed release. A preliminary FAR was submitted to Michigan Department of Environmental Quality – Storage Tank Division (MDEQ-STD) by Parsons Engineering Science (Parsons) of Bingham Farms, Michigan on October 29, 1997. This preliminary FAR did not include a complete characterization of the Site, did not include a Feasibility Analysis or Corrective Action Plan, and stated that these items would be submitted as an addendum to the FAR within 120 days (by February 26, 1998).

Parsons' was unable to complete the FAR, due to the fact that Parsons' local office has recently closed. Conestoga-Rovers & Associates (CRA), a Qualified Consultant (QC), has been retained to provide and submit a complete FAR. Additional monitoring well installation and groundwater sampling activities were conducted by CRA in February 1998.

CRA is currently conducting additional on-Site activities to eliminate the potable groundwater pathway, consistent with MDEQ-STD Operational Memorandum No. 11. Based on the ongoing investigation, a definitive extension to submit a completed FAR is necessary. The FAR will be submitted to MDEQ-STD by October 30, 1998.

August 28, 1998

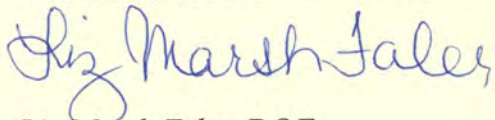
- 2 -

Reference No. 11752

Please contact our office, should you have any questions.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES



Liz Marsh Faler, B.S.E.

EMF/crn/1/Det.

Encl.

c.c.: Paul Owens, MDEQ-STD
Ken Richards, GM



JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

"Better Service for a Better Environment"

HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973

INTERNET: www.deq.state.mi.us

RUSSELL J. HARDING, Director

REPLY TO:

SE MICHIGAN DISTRICT OFFICE
38980 SEVEN MILE RD
LIVONIA MI 48152-1006

November 12, 1998

Mr. Ken Richards
General Motors Corporation
485 West Milwaukee
Mail Code: 482-310-004
Detroit, Michigan 48202-3220

Dear Mr. Richards:

SUBJECT: Closure Report Receipt Date: October 30, 1998
Confirmed Release Date: November 1, 1996
Location of Tank(s): Vacant Lot – GM Lenox
Northeast corner of Joslyn & Lenox, Pontiac, Oakland County, Michigan
Facility ID #: 5-001946

In accordance with Section 2132a(2) of Part 213, Leaking Underground Storage Tanks (LUST) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), the Storage Tank Division (STD) of the Department of Environmental Quality (DEQ) acknowledges receipt of your Closure Report. This Closure Report was submitted on your behalf by Conestoga-Rovers & Associates, Inc., Qualified Underground Storage Tank Consultant (QC), and certified by Mr. Michael Tompka, Certified Professional (CP).

The Closure Report submitted by the QC concludes that corrective actions at the site have been completed in accordance with Part 213, and that corrective action at the site has resulted in **unrestricted residential use** of the site based on a Tier 1 evaluation.

Please note that when contaminated soil and/or groundwater as a result of a release of a regulated substance remains on site consistent with site closure requirements, the owner/operator shall not remove or allow this soil and/or groundwater to be removed from the site to an off-site location without properly characterizing the soils and/or groundwater to determine that they can be lawfully relocated without posing a threat to the public health, safety, and welfare, and the environment. The determination shall consider whether the soil and/or groundwater is subject to regulations under Part 111 of Act 451.

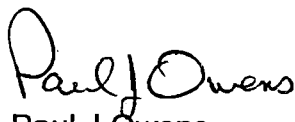
Under Section 21315(1) of Act 451, the STD may initiate an audit of the results of the investigation and corrective actions undertaken to confirm the results and conclusions indicated by the QC within six months of receipt of the Closure Report. If an audit is

initiated within this time frame, and the audit confirms that corrective action has been conducted in compliance with Part 213 and that the cleanup criteria have been met, you will be provided with a letter describing the audit and its results, as described in Section 21315(3) of Act 451. The STD audit would consist of a review of file documents, and may include the collection of soil and/or groundwater samples from the facility to verify that the levels of remaining contaminants certified by your QC are accurate.

All groundwater monitoring wells and other similar devices installed as part of the corrective action activities at the site will need to be properly abandoned when they are no longer needed for their original purpose or modified purpose, in accordance with Part 625, Mineral Wells of Act 451 and Part 127 Water Supply and Sewer Systems of the Public Health Code, 1978 PA 368, as amended and the rules promulgated thereunder. Proper abandonment of groundwater monitoring wells and other potential conduits for contamination should be performed within 60 days after use has been discontinued, and documentation of abandonment submitted to the STD District Office responsible for oversight. However, if the STD conducts an audit which **does not** confirm that corrective action is complete, additional information and/or corrective action may be required as set forth in Section 21315(3) of Act 451. Therefore, it is recommended that abandonment not be performed until either the Department provides a letter indicating that the Closure Report has been audited and we concur with the conclusions that corrective action activities have been completed; or until the six month time frame for the Department to conduct a closure audit expires.

If you have any questions, please contact me at the telephone number below.

Sincerely,



Paul J Owens
Environmental Quality Analyst
Storage Tank Division
734-953-1534

PJO/pbg

cc: Conestoga-Rovers & Associates, Inc.
Ms. Mary Vanderlaan, DEQ