WAYNE STATE UNIVERSITY

Division of Finance and Business Operations

Procurement & Strategic Sourcing
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June 27, 2019

Addendum Three To

RFP WSU Arena Project dated May 6, 2019

Questions have been raised during the Pre-Proposal meeting held on **May 13, 2019** for the University's RFP for **WSU Arena Project** for the **Facilities Planning & Management.** A summary of the questions asked and the University's responses are as follows:

1. Question: Are hard copies required? If so, how many? At the pre-bid you stated electronic submission only; however, Addendum #2 (page 2, 15th bullet) states bids are due at the Academic/Administration Building, 5700 Cass Ave., 4th Floor – Suite 4200, Detroit. The 16th bullet states "electronic submission is also required". Please clarify.

   Answer: Hard Copy Proposals are NOT required. All submissions should be electronic and sent via the following link http://go.wayne.edu/bids

2. Question: The RFP documents include a Sample Contract for CM Services "(Contract Template for Sample Only)". Page 12, 3.04.8, Liquidated Damages, 2nd paragraph, includes liquidated damages of $1,000,000.00 as a onetime payment if Work is not complete on or before September 1, 2021. Is it WSU's intent to include these damages in the Final Contract for CM Services for this project? Please confirm.

   Answer: Substantial completion is July 16, 2021 (per RFP) liquidated damages will not be charged until Sept 1, 2021. If the facility is not complete by then the G-League will have to relocate thus the University's damages will be as stated. WSU intends to include these liquidated damages in the final contract.

3. Question: Sample Contract Paragraph 3.04.8: Given $1,000,000 lump sum liquidated damage payment for late delivery of the project, and the additional $1,000/day payments for each following day, will there be any similar incentive payments to finish early?

   Answer: There are no incentive payments planned for this project.

4. Question: General Conditions 4.01.4.6 & 7: Can the 5 year retroactive audit and audit cost responsibility time frame be changed to a one year period, so that all contracts can be closed out?

   Answer: This is a WSU requirement.

5. Question: General Conditions 4.02.2: What degree of financial responsibility will the A/E have if there are design "errors, inconsistencies, ambiguities or omissions" that are incorporated into the construction, vs. the description of full CM cost responsibility in this paragraph?

   Answer: The A/E will be responsible for costs as a result from errors, omissions and/or negligent acts for which the A/E is responsible, an that the university incurs in an accumulation of excess cost over 2.5% of the cost of work.

6. Question: Start Date/Schedule Duration Confliction:
The schedule duration and start date conflict in multiple areas of the RFP and PowerPoint; please clarify.

Answer: The schedule provided as an appendix to the RFP will take precedence.

7. Question: RFP Page Limit Requirement:
The RFP states 35 pages, the PowerPoint states 30 pages, please clarify.

Answer: Proposals are limited to 30 pages.

Please note, The deadline for project related questions is **July 1, 2019, 12:00 noon**.

Bids are due July 10, 2019 at 2:00 pm via **electronic submission.** The link for bid submission will be posted with the bid details at **http://go.wayne.edu/bids** beginning **June 14, 2019**.

Should you have any questions or concerns about this Addendum or on any other aspects of the Request for Proposal, please send them by email to **Kimberly Tomaszewski**, **Senior Buyer**, Email; **Ac9934@wayne.edu** and to **Valerie Kreher, Senior Buyer**, Email; **Rfpteam2@wayne.edu**. **Copy both Kimberly Tomaszewski and Valerie Kreher on all E-Mail questions.**

Thank you,
Kimberly Tomaszewski
Senior Buyer

REPORT

Phase I Environmental Site Assessment

Wayne State University

Basketball Arena Project Property

Detroit, Michigan

June 18, 2019 **NTH Project No. 62-190085-01**

NTH Consultants, Ltd.
41780 Six Mile Road
Northville, MI 48168



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248.553.6300
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Matt Walker
Project Manager
Wayne State University
Facilities Planning & Management, Design & Construction Services
5454 Cass Avenue
Detroit, Michigan 48202

June 18, 2019
NTH Project No. 62-190085-01

RE: Report on Phase I Environmental Site Assessment
Basketball Arena Project Property
Detroit, Michigan

Dear Mr. Walker:

NTH Consultants, Ltd. (NTH) is pleased to submit this report on Phase I Environmental Site Assessment for the above referenced property. This study was performed at your request in accordance with our accepted proposal (NTH Proposal No. 62-190085) dated March 19, 2019.

We trust that this report provides the information required to evaluate the environmental risks associated with the property and we appreciate the opportunity to assist you with this project. Should you have any questions or require additional information on this study, please call us at 248-662-2740.

Sincerely,

NTH Consultants, Ltd.

Bhushan C. Modi
Vice President

BCM/mam

Attachments

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1.0 EXECUTIVE SUMMARY

This report presents the results of a Phase I Environmental Site Assessment (ESA) for the Basketball Arena Project Property located at the northeast corner of W. Warren and Trumbull Avenues in Detroit, Michigan. The subject property is approximately six acres in size and is a grass-covered field.

The Phase I ESA was performed in accordance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E1527-13, which is consistent with United States Environmental Protection Agency (USEPA) – All Appropriate Inquiries (AAI) Final Rule.

The Phase I ESA revealed the following evidence of recognized environmental conditions in connection with the property:

- The property was historically occupied by residential and commercial structures. It is unknown if all of the former structures had basements. Whether basements were present or not, the environmental nature and origin of the fill soil used as backfill material during demolition of the structures are unknown.

- Municipal records revealed permits, dated between 1925 through 1953, for residential heating oil tanks ranging in sizes from 220 to 440 gallons for the following parcels: 5053 and 5045 Lincoln, and 1318, 1347, 1423, 1438 and 1450 Putman Avenue. No information on the precise locations or removal of the tanks could be obtained from reasonably ascertainable records.

- Past use of one of the land parcels (located at 5080 Trumbull Avenue) as a gasoline service station with three underground storage tanks (USTs). No information is readily available regarding the current status of the USTs or the past occupants' hazardous material management and waste disposal practices.

- Past use of one of the land parcels (located 1320 W. Warren Avenue) for dry cleaning purposes. No information is readily available regarding the past occupants' hazardous material management and waste disposal practices.

- Two former dry cleaners (located at 1404 and 1430 W. Warren Avenue) were identified immediately to the south of the property. Based on their close proximity, the dry cleaners are considered as off-site sources of potential environmental concern.

This summary should not be reviewed separately from the remainder of the report as it only provides a brief overview of the study, and is not a substitute for a thorough review of the entire report.

2.0 INTRODUCTION

NTH Consultants, Ltd. (NTH) was retained by Wayne State University (WSU) to perform a Phase I Environmental Site Assessment (ESA) of the Basketball Arena Project Property located at the northeast corner of W. Warren and Trumbull Avenues in Detroit, Michigan. The subject property is approximately six acres in size and is grass-covered field. The property is part of an approximately 45-acre site, which is occupied by WSU's athletic complex. A map depicting the location of the property is included as Figure 1 in Appendix A.

NTH conducted this Phase I ESA in accordance with the scope and limitations of ASTM Practice E1527-13 entitled: "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," which is consistent with USEPA's AAI Final Rule (40 CFR Part 312).

Previous Study

In 2000, NTH had conducted a Phase I ESA of a larger 44-acre WSU site. At that time, the subject property was grass-covered field. The previous Phase I ESA identified a former gas station and former structures with unknown environmental status of backfill material used during demolitions as recognized environmental conditions (RECs) at the property. No Phase II ESA was requested by WSU at that time.

2.1 Purpose

WSU owns the property and intends to redevelop it for a new basketball arena. Thus, the objective of this Phase I ESA was to provide WSU with a professional opinion regarding RECs, if any, associated with the property. According to ASTM Practice E1527-13, RECs means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

2.2 Detailed Scope of Services

The scope of services for the Phase I ESA comprised of the following key tasks:

- A visual survey of the property was conducted to identify RECs. Color photographs taken during the survey are presented in Appendix B.

- The neighboring properties were observed to assess whether surface features or activities on these properties may have a negative environmental impact on the property. The previous uses of the adjacent properties were determined through review of information compiled during the Phase I ESA.

- Past use history of the property was developed from reasonably ascertainable information.

- Readily available information was reviewed relating to geology, hydrogeology and topographic setting for the property.

- A regulatory agency file search was performed to identify sites of environmental concerns located within the ASTM-specified minimum search distances from the property.

- Local governmental agency personnel were contacted to determine their knowledge of reported environmental incidents at the property.

- The information developed during this study was evaluated and this report was prepared.

2.3 Significant Assumptions

During the course of this study, various documents and other information published by and obtained from private organizations, as well as municipal, state and federal regulatory agencies have been relied upon. No independent verification or confirmation of the accuracy of this information has been performed. Additionally, information provided by WSU was presumed to be factual unless written documentation was available indicating otherwise.

2.4 Limitations and Exceptions

The evaluations and opinions presented in this report have been made to assist WSU in making a reasonable assessment of risk with respect to RECs at the property. This study has been performed in accordance with a standard of care and diligence, which is considered to be representative of the local environmental due diligence practice at the present time.

The evaluations and opinions presented in this report are based on the scope of services defined herein, and should not be misconstrued as those pertaining to a formal environmental compliance or regulatory audit. The results of this study cannot be construed as a certification of the absence of any contaminants on the property, but rather a diligent and prudent review of available data within an established work scope, and time and budgetary constraints. Limiting conditions encountered during the performance of the Phase I ESA are described in appropriate sections of this report.

2.5 Special Terms and Conditions

The services for this project were provided in accordance with WSU's Contract for Professional Services, dated April 4, 2019.

2.6 User Reliance

This report is for the use and benefit of, and may be relied upon by The Board of Governors of Wayne State University and WSU's Facilities Planning & Management, Design & Construction Services Department. This report presents NTH's opinion of the property as of the report's publication date, based on the results of this study and on the information provided during the course of the study. The results of this study may not be relied upon by parties other than those identified above without the prior knowledge and written consent of NTH.

Any authorized third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, and with the acknowledgment that actual site conditions may change with time, and that hidden conditions may exist at the property that were not discovered within the authorized scope of the assessment.

Any use by or distribution of this report to any unauthorized third parties, without the express written consent of NTH is at the sole risk and expense of such third party. In the absence of a written agreement with NTH granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against NTH or its officers, employees, vendors, affiliates successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold NTH and its respective officers, employees, vendors, affiliates, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses including attorneys' fees and costs attributable to such use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted.

3.0 USER PROVIDED INFORMATION

NTH's Phase I ESA User Questionnaire (served as user interview) was completed by Matt Walker of WSU. Mr. Walker indicated that this study was requested in connection with their due diligence efforts for the new arena project. The completed user questionnaire is included in Appendix C.

3.1 Title Records, Environmental Liens and Activity and Use Limitations

Title records for the property were not provided to NTH during the current study. Information obtained from Michigan Department of Environment, Great Lakes, and Energy (EGLE) – Remediation and Redevelopment Division website did not identify any environmental liens against the property. Furthermore, a regulatory agency database search by EDR, Inc. (discussed later) did not identify any environmental liens or activity and use limitations (AULs) associated with the property.

Actual Knowledge of the User

Mr. Walker is not aware of any environmental liens or AULs associated with the property.

3.2 Specialized Knowledge

Mr. Walker indicated that WSU owns the property. The property is an open field and was previously used for residential purposes.

3.3 Valuation Reduction for Environmental Issues

The property is currently owned by WSU; therefore, the discussion on valuation reduction for environmental issues is not applicable for this study.

3.4 Commonly Known or Reasonably Ascertainable Information

Mr. Walker is not aware of any RECs at the property but acknowledged that based on its urban setting some contamination is likely to be present.

3.5 Reason for Performing the Phase I ESA

The reason for performing the Phase I ESA was to provide WSU with an independent evaluation of the RECs associated with the property.

4.0 RECORDS REVIEW

NTH reviewed readily available records to determine 1) the local geology and hydrogeology of the area; 2) the potential risk to the property from offsite sources of environmental concern; 3) historical uses of the property; and 4) historical uses of adjacent properties. These records were reviewed to help identify RECs, if any, associated with the property. Environmental Data Resources, Inc. (EDR), a private environmental information agency, was retained to provide physical setting information, regulatory agency database search, Sanborn maps, aerial photographs, and topographic maps.

4.1 Physical Setting Sources

The physical setting sources for the property were determined based on a review of EDR provided information, readily available published information and visual observations made during site reconnaissance. As described in the following subsections, the physical setting includes topography, soil general geology, hydrology, hydrogeology, and related attributes.

4.1.1 Topography

Information on the topography of the property was obtained from the USGS "Detroit, Michigan" topographic map. Based on this map, the property exhibits a level topography with a USGS elevation of approximately 625 feet above mean sea level.

4.1.2 Geology

The *USDA Soil Survey of Wayne County Area* does not cover the property due to its location in an urban area; however, the near-surface soils in the area are expected to consist of thick sequences of clay overlain by fill or non-native soil. According to published sources of generalized subsurface information, the geology of the area is characterized by about 150 to 200 feet of non-homogeneous glacial lacustrine clay deposits. Underlying these glacial deposits is the Dundee bedrock formation, which is comprised of limestone.

NTH conducted a geotechnical investigation of the property comprising of six soil borings and five test pits in May 2019. Subsurface conditions generally consisted of up to 5 feet of clayey and sandy fill soil underlain by native clays to 35 feet (i.e., maximum explored depth).

4.1.3 Hydrology

No surface water bodies were observed at or in the immediate vicinity (i.e., adjacent) of the property.

4.1.4 Hydrogeology

Groundwater in the area is generally present in both the glacial deposits and in the underlying bedrock; however, shallow groundwater in the area of the property is expected to be erratic and almost negligible due to the high clay content of the glacial soils. Intermittent accumulations of perched water may be encountered where granular soils overlie the clay. Groundwater was encountered in sand and silt seams interbedded within clay soil at depths of about 17 feet to 21 feet in three of six geotechnical borings.

4.1.5 Oil and Gas Wells

According to information provided in the EDR report, no oil or gas wells are located at or in the immediate vicinity of the property.

4.2 Standard Federal, State and Tribal Environmental Record Source

EDR, Inc. provided a regulatory agency database search report (The EDR Radius Map Report) identifying sites of environmental concerns located within the ASTM-specified minimum search distances from the property. A list of the regulatory agency databases researched by EDR for the current study, along with the respective search distances and a brief description of each database are presented in the EDR report, dated April 17, 2019, and is included in Appendix D.

The following tables list the ASTM-recommended databases researched by EDR along with their respective search distances:

FEDERAL DATABASES	SEARCH RADIUS (in miles)
National Priorities List (NPL) - Identifies the nation's hazardous sites that warrant further investigation. Sites are first identified as SEMS and the degree of contamination determines whether the site will be included on the NPL.	1.0
Delisted NPL - Sites deleted from the NPL where no further response is required.	0.5
Superfund Enterprise Management System (SEMS) - formerly known as Comprehensive Environmental Response Compensation Liability Index System (CERCLIS) –a comprehensive tracking and reporting tool provides updated data on the inventory of active and archived hazardous waste sites evaluated by the Superfund program. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.	0.5

FEDERAL DATABASES	SEARCH RADIUS (in miles)
SEMS - No Further Remedial Action Planned (SEMS-NFRAP) - SEMS sites where no further remedial action is planned.	0.5
Corrective Action Report (CORRACTs) - Includes hazardous waste handlers with RCRA corrective action activities.	1.0
Resource Conservation Recovery Act (RCRA) Treatment Storage and/or Disposal (TSD) Facilities - RCRA provides for the management of hazardous wastes by regulating the operations of those who operate treatment, storage or disposal facilities.	0.5
RCRA Large Quantity Generator (LQG) - RCRA provides for the management of properties that generate more than 1,000 kilograms of hazardous waste or over 1 kilogram of acutely hazardous waste per month.	Property and adjoining sites
RCRA Small Quantity Generator (SQG) - RCRA provides for the management of properties that generate more than 100 kilograms and less than 1,000 kilograms of hazardous waste.	Property and adjoining sites
RCRA Conditionally Exempt Small Quantity Generator (CESQG) - RCRA provides for the management of properties that generate less than 100 kilograms of hazardous waste or less than 1 kilogram of acutely hazardous waste per month.	Property and adjoining sites
RCRA Non-Generators (NonGen) - Non-generators do not presently generate hazardous waste, but may have in the past.	Property and adjoining sites
Institutional Controls (US INST CONTROL) -A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.	Property
Engineering Controls (US ENG CONTROLS) - 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.	Property
Emergency Response Notification Sites (ERNS) - Records information about reported releases of hazardous substances and/or petroleum products. These sites are maintained by the EPA and EGLE.	Property

STATE & TRIBAL DATABASES	SEARCH RADIUS (in miles)
State Hazardous Waste Sites (SHWS) - Known as Part 201 Sites in Michigan, SHWS are Michigan's equivalent to SEMS. The sites are reported to the State through municipalities, private companies/citizens. The State has developed a numerical ranking model for determining the present and potential hazard that each site poses to public health, safety, welfare and/or the environment. Each site is scored using this model once identified and annually thereafter.	1.0
State Landfill and/or Solid Waste Disposal Site (SWF/LF) - Part 115 of Act 451, as amended, regulates and maintains an inventory of solid waste disposal facilities or landfills.	0.5
Leaking Underground Storage Tank (LUST) - Part 213 of Act 451, as amended, regulates and details the corrective action required due to releases from leaking USTs. Part 213 also prescribes the powers and duties of certain State agencies and officials, and provides penalties and remedies.	0.5
Underground Storage Tank (UST) - Part 211 of Act 451, as amended, regulates certain UST systems, requires the registration of certain UST systems, prescribes the duties of certain state and local agencies and officials, imposes fees, and prescribes penalties and remedies.	Property and adjoining sites
Above Ground Storage Tank (AST) - Listing of registered ASTs	Property and adjoining sites
Activity and Use Limitations (AUL) - Sites with institutional controls and/or engineering controls.	Property

STATE & TRIBAL DATABASES	SEARCH RADIUS (in miles)
Brownfields - BEA or leaking UST sites which have been redeveloped by private entities using the BEA process.	0.5
U.S. Brownfields - List of brownfields properties addressed by Cooperative Agreement Recipients and/or Targeted Brownfields Assessments.	0.5
Baseline Environmental Assessment (BEA) - Sites of environmental contamination with soil and/or groundwater contamination levels above EGLE Part 201 residential cleanup criteria and have been identified as a "facility" and have submitted a BEA to EGLE. BEAs provides new owners/operators of sites of known contamination exemption from liability for existing contamination at a site at the time of purchase/occupancy.	0.5

The EDR report identified 135 sites, of which 132 sites were plotted on a street map and 3 sites were listed as "orphan sites." The orphan sites could not be plotted by EDR on a map due to lack of proper addresses or other pertinent information required for precise computer plotting, and as such could only be located within the city, county or zip code area of the property. Following review of the EDR report, a drive-through reconnaissance of the area was conducted to confirm the locations of the plotted sites and to locate the orphan sites.

Based on NTH's experience in conducting subsurface investigations in the Detroit area and knowledge of local subsurface conditions (i.e., comprising of predominantly clayey soils and lack of a shallow aquifer), the EDR-identified sites located more than 100 feet away from the property are not expected to have a negative environmental impact on the property and, in the opinion of NTH, are not considered as RECs.

The following EDR-identified sites that are located within a 100-foot radius of the property were further evaluated to determine if these sites would be considered as offsite sources of potential environmental concern or RECs:

- **Sun Oil Co., Trumbull Avenue Fill Up Inc., Equilon Enterprises LLC, Dancer S Eddif Shell Service, Shell Station (Former) (5001 Trumbull Avenue):** This is the Mobil station located at the northwest corner of Trumbull and W. Warren Avenues, which is approximately 75 feet southwest of the property. The site is listed in the RCRA

NonGen, UST, LUST, BEA and EDR's proprietary Historical Auto Stations databases. According to the EDR report, no RCRA compliance violations have been issued against the site. The site has operated as a gasoline service station since at least 1965. The site currently contains one 10,000-gallon gasoline UST, one 12,000-gallon gasoline UST, and one 4,000-gallon diesel UST. One 5,000-gallon used oil UST, one 10,000-gallon gasoline UST, and two 4,000-gallon gasoline USTs were removed from the site in 1991. A petroleum release was reported on March 22, 1989 and the LUST incident achieved regulatory closure on August 16, 1999.

Review of EGLE files contained a BEA report dated February 25, 2008. According to this report, the site has been a gas station since 1963. A petroleum release was discovered in 1989 during a subsurface investigation prior to the removal of former gasoline and used oil USTs at the site. In 1991, during removal of USTs, 840 cubic yards of contaminated soil and 4,897 gallons of perched groundwater were remediated. Twelve soil borings and monitoring wells were installed at the site and off-site across Trumbull and W. Warren Avenues between 1991 and 1994. In 1993, monitoring well MW-12 was installed within the sidewalk on the east side of Trumbull Avenue, which is adjacent to the subject property. Analysis of groundwater sample from MW-12 did not identify any volatile organic compounds (VOCs). The report indicated that the encountered groundwater is discontinuous and in perched groundwater, and flows in a southwesterly direction, which is away from the subject property.

A LUST Closure Report, dated December 9, 1998 indicated that groundwater samples were collected from on-site and off-site monitoring wells in 1998 for VOC analysis. VOCs were detected in the water samples collected from the gas station site, but none were detected in off-site monitoring wells. Another subsurface investigation conducted in February 2008 identified VOCs above Part 201 Generic Residential Cleanup Criteria (GRCC) at the gas station site, but no off-site migration of contamination was reported.

Based on the above information, this site is not considered an off-site source of potential environmental concern.

- **There Goes the Neighborhood, LLC (5127 Trumbull Avenue):** This site is located across Trumbull Avenue, approximately 100 feet northwest of the property, and is listed in the BEA database. EGLE files contained a BEA report dated November 19, 2014. The soil boring logs in this report identified two feet of fill soil underlain by native clays. No groundwater was not encountered in the borings. Polynuclear aromatics (PNAs) and heavy metals were identified in the analyzed soil samples above Part 201 GRCC. Based on the known subsurface conditions, this site is not considered an off-site source of potential environmental concern.

The EDR report also identified the following former addresses associated with the property in their proprietary databases:

- **Bunson John (1320 W. Warren Avenue):** This parcel is located at the southern portion of the property and listed in EDR's Historical Cleaners database. The parcel was a hand laundry from at least 1931 to 1940. In 1956, the parcel was identified as cleaners and dyers. As such, based on its known past use, the former dry cleaner at the property is an REC.

- **Rose Richd (1404 W. Warren Avenue):** This site is located immediately south of the property and is listed in EDR's Historical Cleaners database. In 1926, the site was identified as a dry cleaner. Based on its close proximity and past use, this site is considered an off-site source of potential environmental concern.

- **Bedford Secord S (1430 W. Warren Avenue):** This site is located immediately south of the subject property and is listed in EDR's Historical Cleaners database. The site was a dry cleaner from 1926 to 1956. Based on its close proximity and past use, this site is considered an off-site source of potential environmental concern.

4.3 Historical Use Information

A historical search was conducted to determine the previous uses of the property. Only historical sources, which could be reasonably ascertained and judged likely to be useful, were obtained and reviewed during the current study. The following sections present the results of the historical searches conducted during this study.

4.3.1 Local Governmental Agency Records

A visit was made to the City of Detroit municipal offices to review readily available records for the property.

Assessor's Office

According to the City of Detroit Assessor's Office and online records, the larger parent parcel is identified as 45.3 acres in size and is assigned Parcel No. 06001254-459. The ALTA survey completed by Kem-Tec for WSU identifies the parent parcel as 44.1 acres in size. The parent parcel is occupied by WSU's athletic facilities. No structures are present on the subject property.

Building Department

City of Detroit Buildings, Safety Engineering & Environmental Department – Mechanical and Heating Division's heating and storage tank records provided following information:

Parcel Identifier	Available Information
5053 Lincoln	Document dated November 28, 1925, indicated that a 220-gallon oil tank was installed in the basement of the building.
5045 Lincoln	Document dated December 3, 1925, indicated that a 220-gallon oil tank was installed in the basement of the building.
1318 Putnam	Document dated October 5, 1928, indicated that a 440-gallon oil tank was installed in the basement of the building.

Parcel Identifier	Available Information
1347 Putnam	Document dated September 24, 1953, indicated that a 275-gallon oil tank was installed in the basement of the building.
1423 Putnam	Document dated February 17, 1954, indicated that a 220-gallon oil tank was installed in the basement of the building.
1438 Putnam	Document dated November 12, 1952, indicated that a 220-gallon oil tank was installed in the basement of the building.
1450 Putnam	Document dated September 5, 1925, indicated that a 440-gallon oil tank was installed in the basement of the building.

Fire Department

A written request was submitted to the Detroit Fire Department to review records for the property. As of the date of this report, no response has been received from the fire department.

4.3.2 Sanborn Fire Insurance Maps

NTH retained EDR to conduct a search of Sanborn fire insurance maps for the property. Sanborn maps are primarily used by insurance companies to assess fire risks, and when available for a particular property can provide relevant information about its history.

Maps covering the property, dated 1889, 1897, 1910, 1919, 1921, 1941, 1950, 1951, 1953, 1957, 1961, 1977, 1988, 1991, 1996, and 2002 were provided by EDR. Copies of these maps are included in Appendix E.

Information obtained from a review of the Sanborn maps is summarized below.

Year	Prominent Surface Features
1889	No coverage.
1897	Putnam Avenue (east to west) and Lincoln and Brooklyn Avenues (north to south) traverse through the property. The property is occupied by numerous residential dwellings, outbuildings, a church and vacant land.
1910	Similar features as depicted on the previous map; however, the map depicts several more residential dwellings and outbuildings on the property.
1919	No coverage of the subject property.
1921	No coverage of the subject property.
1941	The map depicts numerous residential dwellings and associated outbuildings, an office building (5040 Trumbull Avenue), a gas station with three USTs (5080 Trumbull Avenue), a church, a parking lot, and a store (1334 W. Warren Avenue).
1950	No coverage of the subject property.
1951	Similar features as depicted on the 1941 map.
1953	Similar features as depicted on the 1951 map.

Year	Prominent Surface Features
1957	Similar features as depicted on the 1953 map.
1961	Similar features as depicted on the 1957 map.
1977	Putnam Avenue and Lincoln Avenue appear to have been vacated The parcels on the west side of Lincoln Avenue are depicted as vacant land. Residential dwellings, an office building and gas station are still depicted on this map.
1988	No coverage of the subject property.
1989	The property is depicted as vacant land.
1991	Similar features as depicted on the 1989 map.
1996	Similar features as depicted on the 1991map.
2002	Similar features as depicted on the 1996 map.

4.3.3 City Directories

NTH reviewed historic address directories dating back to 1888 (i.e., the date of the earliest directory) for the current and past property addresses (determined during a review of Sanborn maps) at the Bressers Company and City of Detroit Public Library to determine past occupants. The street numbering for the property changed between 1919 and 1920.
Due to the large number of historical addresses associated with the property, the tables below are limited to identifying only the past non-residential occupants.

Brooklyn Avenue Occupants

No non-residential occupants were identified during the review of historic street address directories.

Putnam Avenue Occupants

No non-residential occupants were identified during the review of historic street address directories.

Lincoln Avenue Occupants

Year	5007 Lincoln Avenue	5004 Lincoln Avenue	5031 Lincoln Avenue	5040 Lincoln Avenue	5045 Lincoln Avenue	5053 Lincoln Avenue
1946 - 2014	Residential or no listing	Residential or no listing	Residential or no listing	Residential or no listing	Residential or no listing	Residential or no listing
1932	Residential or no listing	Harry Davis Florist	Residential or no listing	Residential or no listing	Mary McGregor Dressmaker, Chas Matties Furn Rooms	Elva Wahl Furn Rooms

Year	5007 Lincoln Avenue	5004 Lincoln Avenue	5031 Lincoln Avenue	5040 Lincoln Avenue	5045 Lincoln Avenue	5053 Lincoln Avenue
1927	Residential	George W. Davis Florist	Wellington J. Fitzpatrick carpenter contractor	Chas Byrne Rugs	Residential	Vacant
1921	Residential	George W. Davis Florist	Residential	Vacant	Residential	No listing
Year	**371 Lincoln Avenue**	**372 Lincoln Avenue**	**387 Lincoln Avenue**	**392 Lincoln Avenue**	**395 Lincoln Avenue**	**--**
1914	Residential	George W. Davis Florist	Residential	Residential	Residential	--
1909	Warren Avenue Pharmacy	Lillian Davis Florist	Residential	Residential	Residential	--
1904	Warren Avenue Pharmacy	George W. Davis Florist	Residential	Residential	No listing	--
1898	No listing	George W. Davis Florist	No listing	No listing	No listing	--

Trumbull Avenue Occupants

Year	5000 Trumbull Avenue	5004 Trumbull Avenue	5008 Trumbull Avenue
1970-2014	No listing	No listing	No listing
1965	No listing	No listing	No listing
1956	Warren Trumbull Market	No Listing	Malcom Tear Physician
1940	Wilber Sylvester Drugs	No listing	John Doherty Dry Goods, William Allen Dentist, Malcolm Tear Physician, Residential
1935	Warren-Trumbull Market	No listing	John Doherty Dry Goods, William Allen Dentist, Homer Kenney Physician, Residential
1931	Warren-Trumbull Meats and Drugs	William Allen Dentist, Roy Brain Physician	John Doherty Dry Goods
1926	Warren-Trumbull Market	William Allen Dentist, Roy Brain Physician	John Doherty Dry Goods
1921	No listing	No listing	No listing

Warren Avenue Occupants

Year	1306 Warren Avenue	1320 Warren Avenue	1334 Warren Avenue
1965	No listing	Vacant	Welcome Super Market
1956	Residential	Williams Cleaners	No listing
1940	Residential	Brooklyn Hand Laundry	No listing
1935	Residential	John Bunson Laundry	No listing
1931	David Barclay, Physician	John Bunson Laundry	No listing
1926	Cletus Forsyth Sign Painter	No listing	No listing

4.3.4 Aerial Photographs

NTH obtained historical aerial photographs dated 1937, 1949, 1952, 1956, 1961, 1967, 1972, 1981, 1983, 1997, 1999, 2005, 2009, 2012, and 2016 from EDR. Additional aerial photographs dated 1999, 2002, 2004, 2005, 2006, 2007, 2009, 2010, 2011, 2015, 2016, 2017, and 2018 were reviewed using Google Earth software. These aerial photographs were reviewed to determine past uses and changes in surface features at the property that might indicate possible environmental concerns. The scales on the aerial photographs range from 1″ = 100′ to 1″ = 500′. Thus, certain photographs did not clearly identify all the surface features at the property.

A review of the above aerial photographs is summarized below.

Year	Scale	Features
1937-1961	1″ = 500′	Commercial and residential buildings, roadways and alleys, as depicted on Sanborn maps.
1967	1″ = 500′	The property is vacant, grass-covered land. W. Warren Avenue has been widened by approximately 70 feet.
1972-1983	1″ = 500′	Similar features as depicted on the 1967 photo.
1997-2018	1″ = 100′	Similar features as depicted on the 1972-1983 photos.

4.3.5 USGS Topographic Maps

Historical USGS “Detroit, Michigan” topographic maps dated 1905, 1918, 1924, 1934, 1936, 1937, 1940, 1947, 1952, 1968, 1973, 1980, 1983, and 2014 were reviewed to determine past uses of or changes in the surface features at the property.

The 1905 through 1934 maps depict several streets and buildings at the property. The 1936 through 1952 maps depict streets, but do not depict any specific features such as buildings. The 1968 through 1983 maps depict the property as part of the WSU athletic facilities. The 2014 map depicts the property in the general urban setting of the City of Detroit and does not depict any specific surface features such as buildings.

4.3.6 Past Use Summary

The following table summarizes the past uses of the property:

Year(s)	Property Uses	RECs
1888-1966	Residential dwellings, retail stores, commercial businesses, church, gas station and dry cleaners	Former gas station and dry cleaners. Unknown origin and nature of the fill material used during demolition of structures on the subject property.
1966-present	Vacant land	None identified.

4.4 Historical Uses of Adjoining Properties

Past uses of adjoining properties, as determined through a review of the previously referenced historical aerial photographs and Sanborn maps are as follows:

Year	Source	North	East	South	West, across Trumbull Avenue
1889	Sanborn	No coverage	Residential dwellings and vacant lots	No coverage	No coverage
1897	Sanborn	Residential dwellings and vacant lots	Residential dwellings	Residential dwellings, a greenhouse located at the northeast corner of Warren Avenue and Brooklyn Avenue	Residential dwellings and vacant lots
1910	Sanborn	Residential dwellings, apartment buildings, vacant lots	Same as above	Same as above, additional commercial buildings have been constructed facing Warren Avenue.	Same as above
1919	Sanborn	No coverage	No coverage	No coverage	No coverage
1921	Sanborn	No coverage	No coverage	No coverage	No coverage
1937	Aerial	Stores and residential dwellings	Residential dwellings	Stores and residential dwellings	Stores and residential dwellings
1941	Sanborn	Residential dwellings and apartment buildings	Residential dwellings	Stores and residential dwellings	Stores and residential dwellings
1949	Aerial	Same as above	Same as above	Same as above	Same as above
1950	Sanborn	No coverage	No coverage	No coverage	No coverage
1951	Sanborn	Residential dwellings and stores	Residential dwellings	Stores and residential dwellings	Same as above, and an undertaker
1952	Aerial	Same as above	Same as above	Same as above	Same as above
1956	Aerial	Same as above	Same as above	Same as above	Same as above
1957	Sanborn	Same as above	Same as above	Same as above	Same as above

Year	Source	North	East	South	West, across Trumbull Avenue
1961	Sanborn /Aerial	Same as above	Same as above	Same as above	Same as above
1967	Aerial	Vacant land	Vacant land	Warren Avenue	Same as above, the existing gas station is depicted at the northwest corner of Warren and Trumbull
1972	Aerial	WSU baseball diamonds	Vacant land, WSU parking lot	Same as above	Same as above
1977	Sanborn	Vacant land, residential dwellings facing Trumbull	Same as above	Same as above	Same as above
1981	Aerial	WSU baseball diamonds	WSU parking lot, athletic fields	Same as above	Same as above
1988	Sanborn /Aerial	Same as above	WSU parking lot, vacant land	Same as above	Same as above
1991	Sanborn	Same as above	Vacant land	Same as above	Same as above
1996	Sanborn	Same as above	Vacant land	Same as above	Same as above
1997	Aerial	Same as above	WSU parking lots	Same as above	Same as above
1999	Aerial	Same as above	Same as above	Same as above	Same as above
2002	Sanborn	Same as above	Same as above	Same as above	Same as above
2005-2019	Aerial	Same as above	Same as above	Same as above	Same as above

5.0 SITE RECONNAISSANCE

A site reconnaissance of the property was conducted to observe for surface features indicative of RECs.

5.1 Location and Legal Description

The property is located in the west ½ of Section 6, Township 2 South, Range 12 East, Detroit, Wayne County, Michigan. An ALTA survey with legal description of the parent parcel, which includes the subject property, is included in Appendix A.

5.2 Site Vicinity and Characteristics

The property is located in a residential and commercial use area, which is serviced by the municipal potable water supply and sanitary sewer systems, and public natural gas and electric utilities.

5.3 Current Uses of the Property

The property is currently used as athletics field by WSU.

5.4 Description of Structures, Roads and Other Improvements

No structures or roads are located on the property.

5.5 Current Uses of Adjoining Properties

During the visual survey, the adjoining properties were observed and identified from the boundaries of the property and readily accessible public right-of-ways. Observed land uses at the adjoining properties are listed below:

Locations	Features	RECs
North	WSU athletic fields	None identified.
East	WSU parking lots	None identified.
South, across West Warren Avenue	Freedom Place Apartments, Citadel of Faith Covenant Church, St. Dominic Outreach Center	None identified.
West, across Trumbull Avenue	Mobil Station, Perry Funeral Home, Lucki's Cheesecakes Midtown, residential dwellings	None identified.

5.6 Methodology and Limiting Conditions

A site reconnaissance of the property was conducted on April 23, 2019 by Andrew Kelly of NTH. During the survey, the property was observed for evidence of RECs such as stressed vegetation, stained surface soil, and improper waste disposal practices. The visual survey was conducted by walking the perimeter of the property, and systematically traversing the entire property. No limiting conditions were encountered during the visual survey:

5.7 General Site Setting

A map showing the location of the property is presented as Figure 1 in Appendix A. The approximate configuration of the property, along with prominent surface features observed by NTH during the recent site visit, is shown on Figure 2 included in Appendix A. NTH's site plan should be considered as a preliminary reference drawing and should not be used as a legal boundary survey. Color photographs of the property taken during the visual survey are included in Appendix B.

5.8 Exterior Observations

The property contains grass-covered field (Photographs 1 and 2). No RECs were noted at the property.

5.9 Interior Observations

No structures are located on the property.

5.10 Storage Tanks

No evidence of petroleum or chemical storage tanks was observed at the property.

5.11 Polychlorinated Biphenyls (PCBs)

The property was surveyed to identify liquid-cooled electrical units, such as transformers and capacitors. These types of units are of possible concern because they may be potential PCB sources. PCB units may subject the owner/operator to various regulatory requirements under Toxic Substances Control Act (TSCA). The release of PCB fluids or their combustion products (in case of spill or fire) are potential environmental liabilities and may require costly remediation. No such electrical units were observed at the property.

6.0 OWNER PROVIDED INFORMATION

NTH's Phase I ESA Owner Questionnaire was completed by Vern Laney of WSU. A copy of this questionnaire is included in Appendix F.

According to Mr. Laney, WSU acquired the property from City of Detroit in 1966, and since has been occupied by intramural field. Past uses of the property were for residential and retail purposes. Mr. Laney is not aware of any environmental concerns at the property.

7.0 EVALUATIONS

7.1 Findings and Opinions

The subject property is owned by WSU and used as an intramural field since 1966. The property formerly occupied by numerous residential and commercial buildings including a gas station, a church, and a dry cleaner. No structural or demolition records on the former structures could be obtained from reasonably ascertainable historical records. It is unknown if all the former buildings had basements and how those basement excavations were backfilled. The unknown origin and environmental nature of the fill soil used during demolition of former structures is an REC.

The past occupants of the property also include a dry cleaner (1320 W. Warren Avenue) and gas station (5080 Trumbull Avenue). No tank removal records or information on past occupants' hazardous material management practices are readily available. Thus, the past gas station and dry cleaner at the property is an REC.

Municipal records identified seven heating oil tanks (ranging in size from 220 to 440 gallons) associated with former dwellings located at 5053 and 5045 Lincoln Avenue, and 1318, 1347, 1423, 1438 and 1450 Putman Avenue. Based on the size and locations, it is likely that the heating oil tanks were aboveground storage tanks and removed during demolition of the dwellings. Lack of precise information on the current status of the residential heating oil tanks constitutes a data gap resulting in an REC.

Two former dry cleaners (at 1404 and 1430 W. Warren Avenue) were located immediately to the south of the property, which is an REC.

No information on the property has been provided to date by the Detroit Fire Department, which is a data gap. Based on other historical or past use information compiled during this study, this data gaps is not considered to be an REC.

No historical RECs (HRECs) or controlled RECs (CRECs) resulting in RECs were identified at the property during the current study.

A Phase II ESA was conducted by NTH to evaluate the above RECs. The results of the Phase II ESA are presented in a separate report.

7.2 Conclusions

We have performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E1527 of the Basketball Arena Project property located at the northeast corner of W. Warren Avenue and Trumbull in Detroit, Wayne County, Michigan. Any exceptions to, or deletions from, this practice are described in this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property, except for the following:

- The property was historically occupied by residential and commercial structures. It is unknown if all of the former structures had basements. Whether basements were present or not, the environmental nature and origin of the fill soil used as backfill material during demolition of the structures are unknown.

- Municipal records revealed permits, dated between 1925 through 1953, for residential heating oil tanks ranging in sizes from 220 to 440 gallons for the following parcels: 5053 and 5045 Lincoln, and 1318, 1347, 1423, 1438 and 1450 Putman Avenue. No information on the precise locations or removal of the tanks could be obtained from reasonably ascertainable records.

- Past use of one of the land parcels (located at 5080 Trumbull Avenue) as a gasoline service station with three underground storage tanks (USTs). No information is readily available regarding the current status of the USTs or the past occupants' hazardous material management and waste disposal practices.

- Past use of one of the land parcels (located 1320 W. Warren Avenue) for dry cleaning purposes. No information is readily available regarding the past occupants' hazardous material management and waste disposal practices.

- Two former dry cleaners (located at 1404 and 1430 W. Warren Avenue) were identified immediately to the south of the property. Based on their close proximity, the dry cleaners are considered as off-site sources of potential environmental concern.

8.0 ADDITIONAL SERVICES

No non-ASTM scope items were requested by WSU during the current study.

9.0 REFERENCES

1) American Society for Testing and Materials (ASTM) Practice: E1527-13 – Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

2) Environmental Data Resources, Inc. (EDR):
   - Radius Map with GeoCheck, Topographic Maps, Sanborn Maps, Aerial Photographs

3) United State Department of Agricultural (USDA) Soil Survey of Wayne County Area, Michigan; Department of Geology, College of Arts and Sciences, Western Michigan University - Hydrogeologic Atlas of Michigan; and Department of Geological Sciences, The University of Michigan – Quaternary Geology of Southern Michigan

4) City of Detroit Municipal Offices (Assessor's Office, Buildings, Safety Engineering & Environmental Department and Fire Department)

5) Bresser's Company and City of Detroit Public Library (City Directories)

6) Google Website

7) EGLE's Remediation and Development Division website for environmental liens

8) Matt Walker and Vern Laney of WSU

10.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Our resumes are included in Appendix G.

Cliff J. Andrews
Senior Project Professional

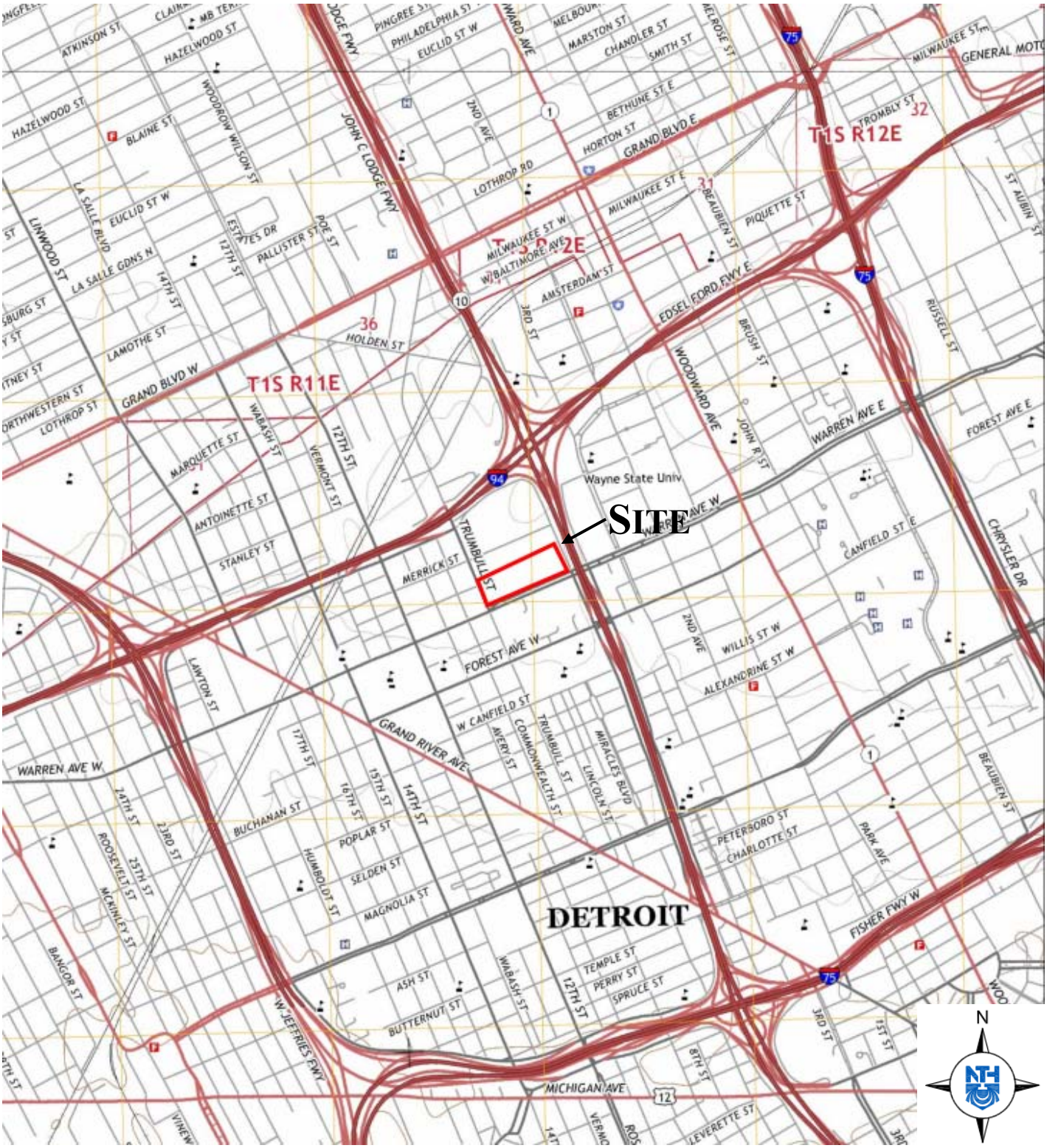
Bhushan C. Modi
Project Manager

APPENDIX A

Site Location Map, Figure 1;

Site Plan, Figure 2; and

ALTA Survey with Legal Description



PROJECT NO. 62-190085-01	**LOCATION:** **WSU Parking Lot Property** **West Warren Avenue, Detroit, Michigan**	**TITLE:** **Site Location Map**	**DATE:** 4/17/2019 **SHEET:** **1 OF 1**
DRAWN BY: ACK **CHECKED BY:** CJA	**NTH Consultants, Ltd.** **Professional Engineering & Environmental Services** **Northville · Detroit · Cleveland · Grand Rapids · Lansing**		**FIGURE NO:** **1**



N

0 50' 100'

SCALE

LEGEND

LIMITS OF STUDY AREA

NTH Consultants, Ltd.
Infrastructure Engineering and Environmental Services

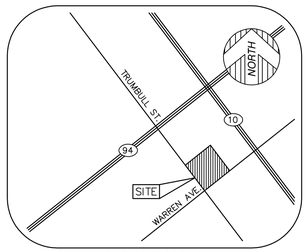
NTH PROJECT No.: 62-190085-01	CAD FILE NAME: 190085-SP(2)
DESIGNED BY: ACK	PLOT DATE: 6/17/2019
DRAWN BY: ACK	DRAWING SCALE: 1" = 100'
CHECKED BY: CJA	INCEPTION DATE: 4/23/2019

SITE PLAN

BASKETBALL ARENA PROJECT
DETROIT, MICHIGAN

FIGURE: 2

j:\2019\62\190085\reports\esa\190085-sp(2).dwg Plotted: 6/17/2019 3:49 PM by akelly



VICINITY MAP
(NOT TO SCALE)

PARCEL AREA
1,928,336± SQUARE FEET = 44.269± ACRES

BASIS OF BEARING
SOUTH 67°03'14" WEST, BEING THE NORTH LINE OF WEST WARREN AVENUE, AS SHOWN.

BENCHMARK
SITE BENCHMARK #1
ARROW ON TOP OF HYDRANT, LOCATED ON THE NORTHEASTERLY CORNER OF THE INTERSECTION OF WARREN AVENUE AND TRUMBULL AVENUE, APPROXIMATELY 12'± SOUTHEAST OF THE SOUTHWESTERLY CORNER OF SUBJECT PROPERTY.
ELEVATION = 624.50' (NAVD 88 DATUM)

SITE BENCHMARK #2
ARROW ON TOP OF HYDRANT LOCATED APPROXIMATELY 114'± WEST OF THE NORTHWESTERLY CORNER OF BUILDING WITH ADDRESS #5101 JOHN C. LODGE DRIVE.
ELEVATION = 628.47' (NAVD 88 DATUM)

SITE BENCHMARK #3
ARROW ON TOP OF HYDRANT, LOCATED ON THE NORTHWESTERLY CORNER OF THE INTERSECTION OF WARREN AVENUE AND JOHN C. LODGE DRIVE, APPROXIMATELY 14'± SOUTH OF THE SOUTHEASTERLY CORNER OF SUBJECT PROPERTY. (NOT DEPICTED ON SURVEY)
ELEVATION = 626.75' (NAVD 88 DATUM)

SURVEYOR'S NOTE
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES OTHER THAN THE STRUCTURE INVENTORY SHOWN HEREON.

LEGEND

◉	FOUND MONUMENT (AS NOTED)
(R&M)	RECORD AND MEASURED DIMENSION
(R)	RECORD DIMENSION
(M)	MEASURED DIMENSION
0.00	GROUND ELEVATION
Ⓔ	ELECTRIC MANHOLE
⊠	ELECTRIC METER
◫	ELECTRIC PANEL
○	UTILITY POLE
Ⓖ	GAS MANHOLE
⊠	GAS METER
⋈	GAS VALVE
	LIGHT POLE WITH STREET LAMP
Ⓛ	PUBLIC LIGHTING MANHOLE
Ⓣ	TELECOMMUNICATIONS MANHOLE
	TRAFFIC SIGNAL
Ⓣ	TRAFFIC SIGNAL MANHOLE
▣	TRAFFIC SIGNAL CONTROL BOX
⊗	CLEANOUT
Ⓢ	SEWER MANHOLE
	ROUND CATCH BASIN
	SQUARE CATCH BASIN
	DRAIN
	FIRE HYDRANT
	IRRIGATION VALVE
Ⓦ	WATER GATE MANHOLE
⋈	WATER VALVE
Ⓢ	STEAM VAULT
•	BOLLARD
⚬	FLAGPOLE
	LIGHTPOST/LAMP POST
Ⓜ	MAIL BOX
	PARKING METER
	SINGLE POST SIGN
	DOUBLE POST SIGN
	TEST PIT
	SOIL BORING
	HANDICAP PARKING
	DECIDUOUS TREE (AS NOTED)
	CONIFEROUS TREE (AS NOTED)
	PARCEL BOUNDARY LINE
	PLATTED LOT LINE
	EASEMENT (AS NOTED)
	BUILDING
	BUILDING OVERHANG
	CONCRETE CURB
	PARKING
	EDGE OF CONCRETE (CONC.)
	EDGE OF ASPHALT (ASPH.)
	EDGE OF BRICK
	EDGE OF GRAVEL
x	FENCE (AS NOTED)
	WALL (AS NOTED)
	OVERHEAD UTILITY LINE
E	ELECTRIC LINE
T	TELECOMMUNICATIONS LINE
G	GAS LINE
S	SEWER LINE
W	WATER LINE
	CORRUGATED METAL PIPE (AS NOTED)
	MINOR CONTOUR LINE
	MAJOR CONTOUR LINE
	BUILDING AREA
	ASPHALT
	CONCRETE

MANHOLE SCHEDULE

STORM CATCH BASIN #10024
RIM=620.86'
INV. 8", SW=615.36'
INV. 8", NE=615.16'
INV. 12", SE=614.21'

STORM CATCH BASIN #10071
RIM=621.59'
INV. 12", SE=615.69'

STORM CATCH BASIN #10132
RIM=621.59'
INV. 12", S=616.09'
INV. 6", W=616.74'

STORM CATCH BASIN #10254
RIM=621.50'
INV. 12", NW=615.10'
INV. 8", SW=616.40'
INV. 8", SE=616.25'
T/PIPE 12"=615.85

SEWER MANHOLE #10255
RIM=622.17'
INV. 12", NW=615.07'
INV. 12", SW=614.87'
INV. 12", SE=614.57'

STORM CATCH BASIN #10256
RIM=621.68'
T/PIPE 12"=615.28'
INV. 12", S=613.88'
INV. 6", W=616.43'
INV. 6", E=616.38'

SEWER MANHOLE #10345
RIM=621.89'
INV. 12", N=615.19'
INV. 12", SW=612.09'
INV. 12", SE=614.19'
INV. 12", NE=612.79'

STORM CATCH BASIN #10346
RIM=621.46'
INV. 12", NW=615.26'
T/PIPE 12"=616.06'

STORM CATCH BASIN #10347
RIM=621.17'
T/PIPE 12"=614.97'
INV. 12", S=614.27'
INV. 12", SE=614.47'

SEWER MANHOLE #10400
RIM=621.50'
BOLTED SHUT, UNABLE TO MEASURE

STORM CATCH BASIN #10401
RIM=620.61'
INV. 12", NW=613.41'
INV. 12", NE=613.61'
INV. 12", SE=613.61'
INV. 12", SW=616.01'

SEWER MANHOLE #10402
RIM=620.89'
12" PIPE, N--UNABLE TO MEASURE
T/PIPE 12"=614.59'
INV. 12", NW=613.84'

STORM CATCH BASIN #10403
RIM=620.73'
INV. 12", W=617.43'

STORM CATCH BASIN #10404
RIM=620.90'
12" PIPE, NE--BULKHEADED

STORM CATCH BASIN #10586
RIM=621.90'
INV. 12", N=614.25'

SEWER MANHOLE #10638
RIM=621.89'
INV. 12", N=619.79'
INV. 12", SW=618.69'

SEWER MANHOLE #10642
RIM=621.85'
INV. 12", NE=617.70'
INV. 12", N=615.05'

SEWER MANHOLE #10652
RIM=621.46'
12" PIPE E--BULKHEADED
INV. 12", W=616.16'
INV. 12", NE=602.71'
INV. 12", SW=602.66'

STORM CATCH BASIN #10739
RIM=620.82'
INV. 12", NW=614.32'

SEWER MANHOLE #10781
RIM=621.81'
NO VISIBLE PIPES
B/STRUCTURE=617.61'

STORM CATCH BASIN #10827
RIM=621.01'
LEACHING CATCH BASIN
NO VISIBLE PIPES
B/STRUCTURE=616.11'

STORM CATCH BASIN #10930
RIM=622.22'
LEACHING CATCH BASIN
NO VISIBLE PIPES
B/STRUCTURE=618.02'

STORM CATCH BASIN #10974
RIM=622.33'
LEACHING CATCH BASIN
NO VISIBLE PIPES
B/STRUCTURE=617.68'

STORM CATCH BASIN #11051
RIM=623.02'
LEACHING CATCH BASIN
NO VISIBLE PIPES
B/STRUCTURE=618.77'

STORM CATCH BASIN #11085
RIM=623.07'
LEACHING CATCH BASIN
NO VISIBLE PIPES
B/STRUCTURE=619.12'

STORM CATCH BASIN #11141
RIM=622.88'
LEACHING CATCH BASIN
NO VISIBLE PIPES
B/STRUCTURE=618.88'

STORM CATCH BASIN #11167
RIM=622.80'
LEACHING CATCH BASIN
NO VISIBLE PIPES
B/STRUCTURE=619.45'

STORM CATCH BASIN #11221
RIM=622.31'
LEACHING CATCH BASIN
NO VISIBLE PIPES
B/STRUCTURE=619.11'

STORM CATCH BASIN #11211
RIM=622.38'
LEACHING CATCH BASIN
NO VISIBLE PIPES
B/STRUCTURE=617.38'

STORM CATCH BASIN #11315
RIM=623.93'
INV. 12", NW=618.23'
INV. 12", NE=618.23'

STORM CATCH BASIN #11324
RIM=624.31'
INV. 12", NE=617.56'
INV. 12", SW=617.71'

STORM CATCH BASIN #11339
RIM=624.81'
INV. 12", NE=616.11'
INV. 4", E=618.11'

STORM CATCH BASIN #11340
RIM=624.79'
INV. 12", SW=616.54'
INV. 12", N=616.59'
INV. 12", SE=616.44'

STORM CATCH BASIN #11366
RIM=624.98'
INV. 18", NW=616.48'
INV. 12", SW=616.78'
INV. 12", E=616.58'

STORM CATCH BASIN #11397
RIM=625.35'
INV. 12", SW=617.60'
INV. 12", NE=617.90'
INV. 12", SE=617.90'

STORM CATCH BASIN #11532
RIM=625.83'
INV. 12", NW=618.33'
INV. 12", SW=618.78'
INV. 8", SE=621.33'

STORM CATCH BASIN #11533
RIM=625.73'
INV. 12", NE=617.98'
INV. 12", SW=618.28'

STORM CATCH BASIN #11565
RIM=624.77'
INV. 12", SW=617.42'
INV. 12", NE=619.42'
INV. 12", N=618.57'

STORM CATCH BASIN #11659
RIM=625.82'
INV. 8", SE=622.22'
INV. 8", NW=622.22'

STORM CATCH BASIN #11684
RIM=625.40'
INV. 8", NW=622.45'
INV. 8", SE=622.80'

STORM CATCH BASIN #11712
RIM=625.32'
INV. 12", E=619.82'
INV. 8", NE=621.37'

STORM CATCH BASIN #11796
RIM=624.77'
INV. 12", NE=618.12'
INV. 12", SE=618.12'

STORM CATCH BASIN #11826
RIM=622.57'
INV. 12", NE=616.07'
INV. 12", SW=615.77'

STORM CATCH BASIN #11827
RIM=622.61'
INV. 12", SE=616.41'
INV. 12", NE=615.71'
INV. 24", SW=615.61'

STORM CATCH BASIN #12005
RIM=624.14'
INV. 12", SE=618.99'
INV. 12", W=618.94'

STORM CATCH BASIN #12006
RIM=623.96'
INV. 12", SE=618.31'
INV. 12", NW=618.81'

STORM CATCH BASIN #12032
RIM=623.96'
INV. 12", SW=618.16'
INV. 12", NW=618.26'
INV. 12", E=618.16'

STORM CATCH BASIN #12047
RIM=623.32'
INV. 12", W=618.12'

STORM CATCH BASIN #12109
RIM=623.81'
INV. 12", NE=619.16'
INV. 12", S=619.21'

STORM CATCH BASIN #12137
RIM=624.02'
INV. 12", N=619.80'

STORM CATCH BASIN #12203
RIM=623.83'
INV. 12", NE=616.18'
INV. 12", SW=616.23'
INV. 6", E=618.83'
INV. 6", NW=619.13'

STORM CATCH BASIN #12204
RIM=623.35'
INV. 12", NE=616.40'
INV. 12", SW=616.60'

STORM CATCH BASIN #12219
RIM=622.94'
INV. 12", NE=619.19'

STORM CATCH BASIN #85004
RIM=622.36'
INV. 24", NE=615.46'
INV. 12", SE=615.36'
INV. 6", N=619.06'
INV. 6", W=619.06'
INV. 6", S=619.06'

STORM CATCH BASIN #85031
RIM=621.09'
INV. 12", NE=616.14'
INV. 12", SW=616.44'

STORM CATCH BASIN #85041
RIM=621.23'
INV. 12", NE=616.03'

STORM CATCH BASIN #85157
RIM=623.56'
INV. 12", NE=618.61'

SEWER MANHOLE #85158
RIM=624.59'
INV. 12", NE=617.14'
INV. 12", SW=617.59'

STORM CATCH BASIN #85159
RIM=623.78'
INV. 12", NE=617.73'
INV. 12", SW=617.78'
INV. 12", SW=617.88'

STORM CATCH BASIN #85197
RIM=623.26'
INV. 12", NE=618.86'

SEWER MANHOLE #85201
RIM=624.44'
INV. 12", SW=617.84'
INV. 12", NE=615.94'
INV. 12", S=606.04'
INV. 12", E=606.19'

STORM CATCH BASIN #85338
RIM=624.64'
INV. 12", NE=618.14'

SEWER MANHOLE #85713
RIM=624.98'
INV. 12", NW=617.18'
INV. 12", N=614.38'
INV. 18", E=615.98'
INV. 12", NW=607.43'
INV. 12", SE=606.83'
INV. 18", SW=606.48'

STORM CATCH BASIN #85805
RIM=625.08'
INV. 12", NW=619.28'
INV. 12", SE=619.08'

SEWER MANHOLE #85822
RIM=625.58'
INV. 12", NW=619.08'
INV. 12", E=618.98'

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

TITLE REPORT NOTE
A CURRENT TITLE POLICY HAS NOT BEEN FURNISHED AT TIME OF SURVEY, THEREFORE EASEMENTS AND/OR ENCUMBRANCES AFFECTING SUBJECT PARCEL MAY NOT BE SHOWN. EASEMENTS AS SHOWN ARE AS TAKEN FROM METCO SERVICES, INC., JOB No. 02-151, DATED 04/10/03. NO DOCUMENTS HAVE BEEN FURNISHED AT THIS TIME.

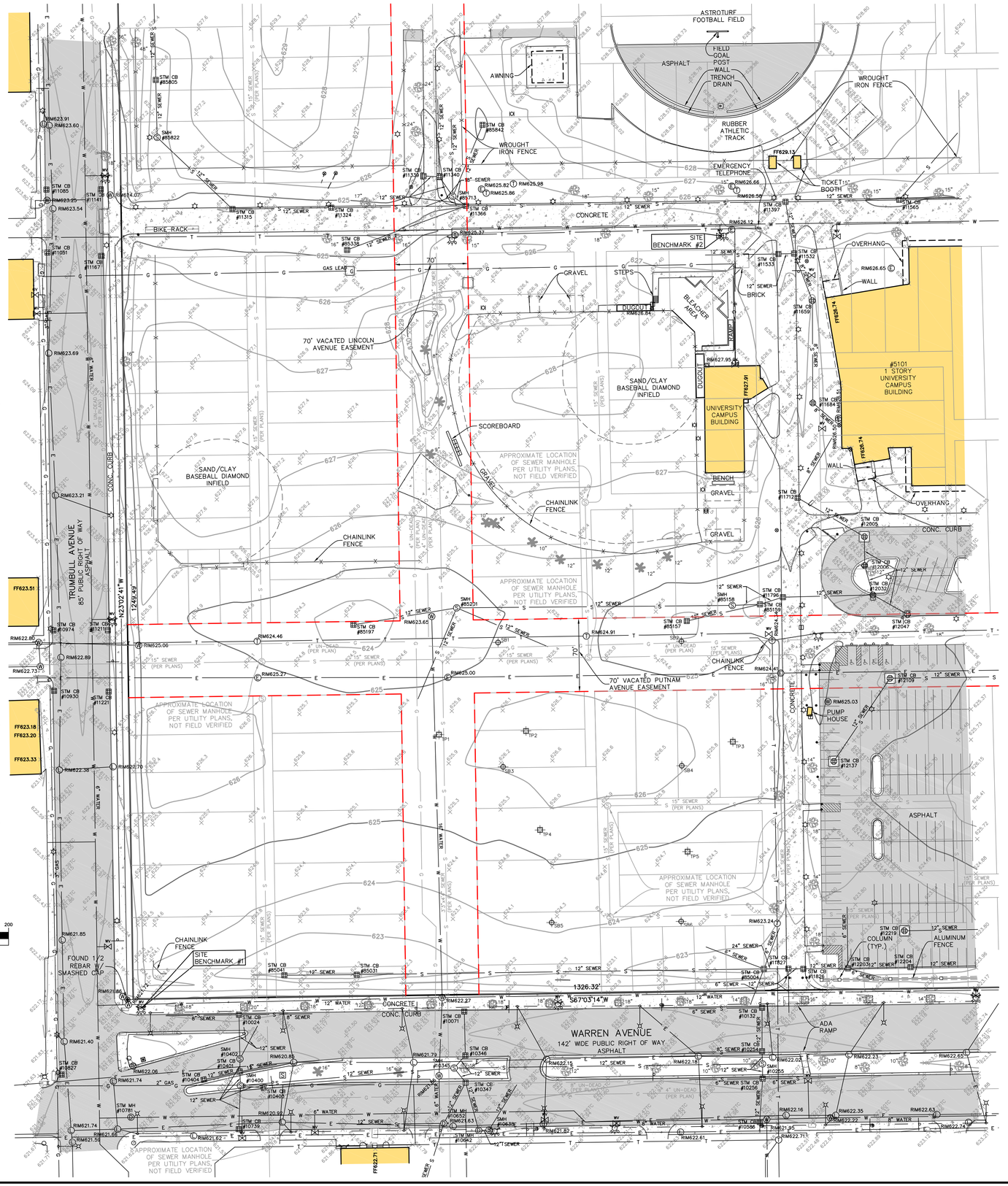
SURVEYOR'S CERTIFICATION
TO PLANTE & MORAN:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDED ITEMS 2, 4, 5, 7A, 8, 9 AND 11 OF TABLE A, THEREOF. THE FIELD WORK WAS COMPLETED ON 04/26/19.

DATE OF PLAT OR MAP: 05/09/16

DRAFT

ANTHONY T. SYCKO, JR., P.S.
PROFESSIONAL SURVEYOR
MICHIGAN LICENSE NO. 47976
22556 GRATIOT AVE., EASTPOINTE, MI 48021
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ALTA / NSPS LAND TITLE SURVEY

PREPARED FOR: PLANTE & MORAN

1302 W. WARREN AVENUE, DETROIT, MICHIGAN,
PART OF PRIVATE CLAIMS 22, 228, 24 AND 246

DESCRIPTION	BY	DATE	REVISION

DRAWN BY:	CHECKED BY:	DATE:	SCALE:
DB	ATS	MAY 13, 2019	1" = 50'
05/13/19	05/13/19	PROJECT NO.	19-00742

1
1 OF 2 SHEETS

PROPERTY DESCRIPTION

LAND IN THE CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, DESCRIBED AS:

PART OF LOTS 2 THROUGH 6 INCLUSIVE, AND ALL OF LOT 7 THROUGH 10 INCLUSIVE, AND PART OF LOT 11 OF "PLAT OF AVERY AND MURPHY" SUB'N. OF OUTLOTS 8 AND 9, LOGNON FARM" AND OUTLOTS 100, 101, 104, 105 AND THE NORTHERLY 358.64 FEET OF OUTLOT 106 AND THE WESTERLY 71 FEET OF OUTLOT 97 "WOODBRIDGE FARM", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 9, P. 42, WAYNE COUNTY RECORDS.

LOTS 1 THROUGH 26 INCLUSIVE AND PART OF LOTS 27 THROUGH 35 INCLUSIVE, AND PART OF LOTS 38 AND 39 OF "WM. L. WOODBRIDGE SUB'N. OF OUTLOT 107, WOODBRIDGE FARM", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 8, P. 98, WAYNE COUNTY RECORDS.

PART OF LOT 1 AND ALL OF LOTS 2 THROUGH 4 INCLUSIVE, OF "PRAIGGS' SUB'N. OF LOTS 36 AND 37, OF WM. L. WOODBRIDGE SUB. OF OUTLOT 107, WOODBRIDGE FARM", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 20, P. 73, WAYNE COUNTY RECORDS.

PART OF LOTS 1 THROUGH 15 INCLUSIVE, PART OF OUTLOT A, ALL OF OUTLOTS B AND C, AND ALL OF LOTS 16 THROUGH 45 INCLUSIVE OF "HODGES BROTHERS SUB. OF OUTLOT 110, WOODBRIDGE FARM", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 6, P. 80, WAYNE COUNTY RECORDS.

PART OF OUTLOT 111 OF THE "PLAT OF WOODBRIDGE FARM AS DIVIDED BY THE COMMISSIONERS IN PARTITION IN 1864", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 1, P. 146 AND 147, WAYNE COUNTY RECORDS.

PART OF LOTS 1 THROUGH 9 INCLUSIVE, OF "SUB'N. OF OUTLOT 33, BAKER FARM, NORTH OF GRAND RIVER AVENUE", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 7, P. 30, WAYNE COUNTY RECORDS.

PART OF LOTS 12 AND 13 AND ALL OF LOTS 14 THROUGH 16 INCLUSIVE, AND LOTS 19 THROUGH 26 INCLUSIVE, AND LOTS 35 THROUGH 40 INCLUSIVE OF THE "PLAT OF SUB'N. OF LOTS 34 AND PART OF LOTS 35 TO 39 INCLUSIVE, BAKER FARM, NORTH OF GRAND RIVER AVENUE", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 7, P. 21, WAYNE COUNTY RECORDS.

ALL OF LOTS 27 THROUGH 44 INCLUSIVE, OF THE "PLAT OF RE–SUB'N. OF LOTS 27 TO 34 AND 41 TO 44, ALL INCLUSIVE, OF THE SUB. OF LOT 34 AND PART OF LOTS 35 THROUGH 39, INCLUSIVE, BAKER FARM, NORTH OF GRAND RIVER AVENUE," CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED N L. 8, P. 50, WAYNE COUNTY RECORDS.

ALL OF LOTS 1 THROUGH 21 INCLUSIVE OF "MCLAUGHLINS' SUB'N. OF THE EAST MOST 150 FT. OF LOTS 35, 36 AND OF THE SOUTH 56 FT. OF LOT 37, OF THE SUB'N. OF THE BAKER FARM", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 10, P. 28, WAYNE COUNTY RECORDS.

ALL OF LOTS 6 THROUGH 17 INCLUSIVE, OF "MCGEES" SUB'N. OF THE S. 183.26 FT. OF LOT 37 AND THE N. 266.74 FEET OF LOT 36 OF THE WEST 208.28 FT. OF LOTS 35 AND 37 OF THE BAKER FARMS, WHICH INCLUDES LOTS 17 AND 18 OF THE SUB'N. OF PART OF LOT 38 OF THE SUB'N. OF THE BAKER FARM, NORTH OF GRAND RIVER AVENUE", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 10, P. 47, WAYNE COUNTY RECORDS.

ALL OF LOTS 1 THROUGH 4 INCLUSIVE, OF "RE–SUB'N. OF LOTS 1 TO 5 INCLUSIVE, AND VACATED ALLEY IN REAR OF SAID LOTS OF "MCGEES' SUB'N. OF PART OF LOTS 35 AND 36 AND 37 BAKER FARM" CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 19, P. 49, WAYNE COUNTY RECORDS.

ALL OF LOTS 1 THROUGH 9 INCLUSIVE, OF MCLAUGHLINS' SUB'N. OF THE EAST 150 FT. OF THE NORTH 266 FT. OF OUTLOT 37, AND THE EAST 150 FT. OF THE SOUTH 56 FT. OF OUTLOT 38, SUB'N. OF THE BAKER FARM", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 13, P. 77, WAYNE COUNTY RECORDS.

PART OF LOTS 1 AND 36, AND ALL OF LOTS 2 THROUGH 35 INCLUSIVE, OF "DONOVANS' SUB'N. OF THE SOUTH 210.92 FT. OF OUTLOT 40 AND LOT 19 OF THE SUB'N. OF LOTS 1 THROUGH 15 INCLUSIVE, OF OUTLOT 39, LABROSSE FARM", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 9, P. 37, WAYNE COUNTY RECORDS.

PART OF LOTS 18, 19 AND 54 AND ALL OF LOTS 1 THROUGH 18 INCLUSIVE, AND LOTS 20 THROUGH 53 INCLUSIVE, OF "CORLISS & ANDRUS SUB'N. OF THE NORTH 42 FT. OF OUTLOT 40, THE SOUTH 309 FT. OF OUTLOT 41 AND THE NORTH 100 FT. OF THE SOUTH 147 FT., OF OUTLOT 42", AS RECORDED IN L. 9, P. 81, WAYNE COUNTY RECORDS.

PART OF LOTS 18, 19 AND 54 AND ALL OF LOTS 1 THROUGH 18 INCLUSIVE, AND LOTS 20 THROUGH 53 INCLUSIVE, OF "MARY DUNN ROSES' SUB'N. OF THE NORTH 114 FT. OF LOT 42 AND THE SOUTH 254.63 FT OF LOT 43, OF THE SUB'N OF THE LABROSSE FARM, NORTH OF GRAND RIVER AVENUE", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 12, P. 67, WAYNE COUNTY RECORDS.

PART OF LOTS 95 THROUGH 108 INCLUSIVE, AND PART OF LOTS 124 THROUGH 126 INCLUSIVE, AND ALL OF LOTS 109 THROUGH 123 INCLUSIVE OF "COLLIN B. HUBBARD SUB'N. OF OUTLOTS 44, 45 AND 46, THE NORTH 67.35 FT. OF OUTLOT 43, AND THE SOUTH 168.20 FT. OF OUTLOT 47, OF THE SUB'N. OF THE LABROSSE FARM, NORTH OF GRAND RIVER AVENUE", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 9, P. 81, WAYNE COUNTY RECORDS.

PART OF LOTS 34 AND 37 OF THE "SUB'N. OF THE LABROSSE FARM, NORTH OF GRAND RIVER AND LOTS 9 TO 21 SOUTH OF GRAND RIVER ROAD", CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, AS RECORDED IN L. 14, P. 417 THROUGH 419 DEEDS, WAYNE COUNTY RECORDS.

ALL THAT PART OF LINCOLN AVENUE 70 FT. WD. CONVERTED TO EASEMENT FROM THE NORTHERLY LINE OF WARREN AVENUE TO THE SOUTHERLY LINE OF KIRBY AVENUE (AS PER AUGUST 22, 1967 –J.C.C. PAGES 1990–1995).

ALL THAT PART OF VACATED BROOKLYN AVENUE 60 FT. WD. FROM THE NORTHERLY LINE OF WARREN TO THE SOUTHERLY LINE OF EDSEL FORD FREEWAY (I–94), EXCEPTING THAT PORTION OF PUTNAM AVENUE 70 FT. WD. AND KIRBY AVENUE 60 FT. WD. CROSSING VACATED BROOKLYN AVENUE (AS PER AUGUST 22, 1967 – J.C.C. PAGES 1990–1995).

ALL THAT PART OF PUTNAM AVENUE 70 FT. WD. CONVERTED TO EASEMENT FROM THE EASTERLY LINE OF TRUMBULL AVENUE TO THE WESTERLY LINE OF THE JOHN C. LODGE FREEWAY (AS PER AUGUST 22, 1967 – J.C.C. PAGES 1990–1995).

ALL THAT PART OF VACATED MERRICK AVENUE 70 FT. WD. FROM THE EASTERLY LINE OF TRUMBULL AVENUE TO THE WESTERLY LINE OF THE JOHN C. LODGE FREEWAY (M–10), EXCEPTING THAT PORTION OF LINCOLN AVENUE CROSSING VACATED MERRICK AVENUE (AS PER AUGUST 22, 1967 –J.C.C. PAGES 1990–1995).

ALL THAT PART OF KIRBY AVENUE 60 FT. WD. BETWEEN THE EASTERLY LINE OF LINCOLN AVENUE TO THE WESTERLY LINE OF THE JOHN C. LODGE FREEWAY (AS PER AUGUST 22, 1967 – J.C.C. PAGES 1990 1995).

ALL THAT PART OF VACATED REED PLACE 40 FT. WD. BETWEEN BROOKLYN AVENUE AND THE WESTERLY LINE OF THE JOHN C. LODGE FREEWAY (AS PER AUGUST 22, 1967 – J.C.C. PAGES 1990–1995).

ALL THAT PART OF VACATED ALLEY BETWEEN BROOKLYN AVENUE AND THE WESTERLY LINE OF THE JOHN C. LODGE FREEWAY AND BETWEEN KIRBY AVENUE AND THE EDSEL FORD FREEWAY (AS PER AUGUST 22, 1967 – J.C.C. PAGES 1990–1995).

ALL THAT PART OF VACATED ALLEYS BETWEEN BROOKLYN AVENUE AND THE WESTERLY LINE OF THE JOHN C. LODGE FREEWAY AND BETWEEN MERRICK AVENUE AND KIRBY AVENUE (AS PER AUGUST 22, 1967 – J.C.C. PAGES 1990–1995).

ALL THAT PART OF VACATED ALLEY BETWEEN LINCOLN AVENUE AND BROOKLYN AVENUE AND BETWEEN MERRICK AVENUE AND KIRBY AVENUE (AS PER AUGUST 22, 1967 – J.C.C. PAGES (1990 1995).

ALL THAT PART OF VACATED ALLEY BETWEEN LINCOLN AVENUE AND BROOKLYN AVENUE AND BETWEEN KIRBY AVENUE AND EDSEL FORD FREEWAY (AS PER AUGUST 22, 1967 – J.C.C. PAGES 1990–1995).

ALL THAT PART OF VACATED ALLEY BETWEEN TRUMBULL AVENUE AND LINCOLN AVENUE AND BETWEEN MERRICK AVENUE AND KIRBY AVENUE (AS PER AUGUST 22, 1967 – J.C.C. PAGES 1990 1995)

ALL THAT PART OF VACATED ALLEYS BETWEEN BROOKLYN AVENUE AND THE WESTERLY LINE OF JOHN C. LODGE FREEWAY AND BETWEEN PUTNAM AVENUE AND MERRICK AVENUE (AS PER SEPTEMBER 28, 1965 – J.C.C. PAGE 2325 AND JUNE 28, 1887).

ALL THAT PART OF VACATED ALLEYS BETWEEN BROOKLYN AVENUE AND THE WESTERLY LINE OF THE JOHN C. LODGE FREEWAY AND BETWEEN WARREN AVENUE AND PUTNAM AVENUE (AS PER NOVEMBER 3, 1965 – J.C.C. PAGE 2599).

ALL THAT PART OF VACATED ALLEYS BETWEEN LINCOLN AVENUE AND BROOKLYN AVENUE AND BETWEEN WARREN AVENUE AND PUTNAM AVENUE (AS PER NOVEMBER 3, 1965 – J.C.C. PAGE 2599 AND OCTOBER 10, 1884).

ALL THAT PART OF VACATED ALLEY BETWEEN TRUMBULL AVENUE AND LINCOLN AVENUE AND BETWEEN WARREN AVENUE AND PUTNAM AVENUE (AS PER NOVEMBER 3, 1965 – J.C.C. PAGE 2599).

ALL THAT PART OF VACATED ALLEY BETWEEN TRUMBULL AVENUE AND LINCOLN AVENUE AND BETWEEN PUTNAM AVENUE AND MERRICK AVENUE (AS PER NOVEMBER 3, 1965 – J.C.C. PAGE 2599).

ALL THAT PART OF VACATED ALLEYS BETWEEN LINCOLN AVENUE AND BROOKLYN AVENUE AND BETWEEN PUTNAM AVENUE AND MERRICK AVENUE (AS PER NOVEMBER 3, 1965 – J.C.C. PAGE 2599 AND SEPTEMBER 10, 1889 – J.C.C. PAGE 607).

AND BEING MORE PARTICULARLY DESCRIBED AS:

BEGINNING AT THE INTERSECTION OF THE WEST LINE (ACTUAL EAST LINE) OF TRUMBULL 85 FEET WIDE (AS WIDENED FEBRUARY 21, 1967 – J.C.C. PAGE, 359) WITH THE NORTH LINE OF WARREN AVENUE 142 FEET WIDE (AS WIDENED MARCH 15, 1966 – J.C.C. PAGE 523), THENCE NORTH 23 DEGREES 02 MINUTES 41 SECONDS WEST ALONG THE WEST LINE OF SAID TRUMBULL AVENUE 1249.49 FEET TO A NON TANGENT POINT OF CURVATURE, SAID POINT ALSO BEING THE SOUTH LINE OF EDSEL FORD FREEWAY, SAID POINT BEING 19.68 FEET, MEASURED AT RIGHT ANGLES, NORTH OF THE NORTH LINE (ACTUAL SOUTH LINE) OF KIRBY 60 FEET WIDE;

THENCE ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY AS ESTABLISHED BY CITY OF DETROIT UNIVERSITY CITY PROJECT NO. 1 (JUNE 7, 1966 – J.C.C. PAGES, 1579–81), BEING A CURVE HAVING A RADIUS OF 215.00 FEET, A DELTA OF 20 DEGREES 38 MINUTES 31 SECONDS, AN ARC LENGTH OF 77.46 FEET, A CHORD BEARING OF NORTH 34 DEGREES 02 MINUTES 57 SECONDS, AND A CHORD DISTANCE OF 77.04 FEET;

THENCE NORTH 23 DEGREES 43 MINUTES 41 SECONDS EAST, CONTINUING ALONG THE SOUTH LINE OF SAID EDSEL FORD FREEWAY 35.78 FEET TO A POINT OF CURVATURE;

THENCE CONTINUING ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY, BEING A CURVE HAVING A RADIUS OF 385.00 FEET, A DELTA OF 27 DEGREES 07 MINUTES 50 SECONDS, AN ARC LENGTH OF 182.30 FEET, A CHORD BEARING OF NORTH 37 DEGREES 17 MINUTES 36 SECONDS EAST, AND A CHORD DISTANCE OF 180.61 FEET;

THENCE NORTH 50 DEGREES 51 MINUTES 31 SECONDS EAST CONTINUING ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY 146.33 FEET;

THENCE NORTH 67 DEGREES 05 MINUTES 03 SECONDS EAST CONTINUING ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY 61.10 FEET;

THENCE NORTH 23 DEGREES 26 MINUTES 46 SECONDS WEST CONTINUING ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY 7.42 FEET;

THENCE NORTH 67 DEGREES 05 MINUTES 03 SECONDS EAST CONTINUING ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY 54.93 FEET;

THENCE SOUTH 23 DEGREES 02 MINUTES 39 SECONDS EAST CONTINUING ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY 37.12 FEET;

THENCE NORTH 66 DEGREES 57 MINUTES 20 SECONDS EAST CONTINUING ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY 130.54 FEET;

THENCE NORTH 23 DEGREES 02 MINUTES 39 SECONDS WEST CONTINUING ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY 101.10 FEET;

THENCE NORTH 50 DEGREES 51 MINUTES 31 SECONDS EAST CONTINUING ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY 37.58 FEET TO A POINT OF CURVATURE;

THENCE CONTINUING ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY, BEING A CURVE HAVING A RADIUS OF 235.16 FEET, A DELTA OF 16 DEGREES 10 MINUTES 33 SECONDS, AN ARC LENGTH OF 66.39 FEET, A CHORD BEARING OF NORTH 58 DEGREES 56 MINUTES 48 SECONDS EAST, AND A CHORD DISTANCE OF 66.17 FEET TO A POINT BEING 11.5 FEET, MEASURED AT RIGHT ANGLES, SOUTH OF THE NORTH LINE OF FERRY STREET 60 FEET WIDE;

THENCE NORTH 67 DEGREES 02 MINUTES 01 SECONDS EAST CONTINUING ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY 457.85 FEET TO A POINT OF CURVATURE;

THENCE CONTINUING ALONG SOUTH LINE OF SAID EDSEL FORD FREEWAY, BEING A CURVE HAVING A RADIUS OF 43.37 FEET, A DELTA OF 14 DEGREES 10 MINUTES 18 SECONDS, AN ARC LENGTH OF 10.73 FEET, A CHORD BEARING OF NORTH 76 DEGREES 06 MINUTES 54 SECONDS AND A CHORD DISTANCE OF 10.70 FEET TO A NON–TANGENT POINT ON THE WEST LINE OF THE JOHN C. LODGE SERVICE DRIVE AS ESTABLISHED BY CITY OF DETROIT UNIVERSITY CITY PROJECT NO. 1 (JUNE 7, 1966 – J.C.C. PAGES 1579–81), ALSO BEING THE EAST LINE OF LOT 95 OF SAID COLLINS B. HUBBARD'S SUBDIVISION;

THENCE SOUTH 23 DEGREES 33 MINUTES 30 SECONDS EAST CONTINUING ALONG THE WEST LINE OF SAID JOHN C. LODGE SERVICE DRIVE, ALSO BEING THE EAST LINE OF SAID LOT 95, AND THE EXTENSION THEREOF, 112.18 FEET TO THE CENTERLINE OF A 20 FOOT WIDE ALLEY;

THENCE NORTH 67 DEGREES 02 MINUTES 01 SECONDS EAST CONTINUING ALONG THE WEST LINE OF SAID JOHN C. LODGE SERVICE DRIVE, ALSO BEING THE CENTERLINE OF SAID ALLEY 48.00 FEET;

THENCE SOUTH 23 DEGREES 33 MINUTES 30 SECONDS EAST CONTINUING ALONG THE WEST LINE OF SAID JOHN C. LODGE SERVICE DRIVE 44.00 FEET;

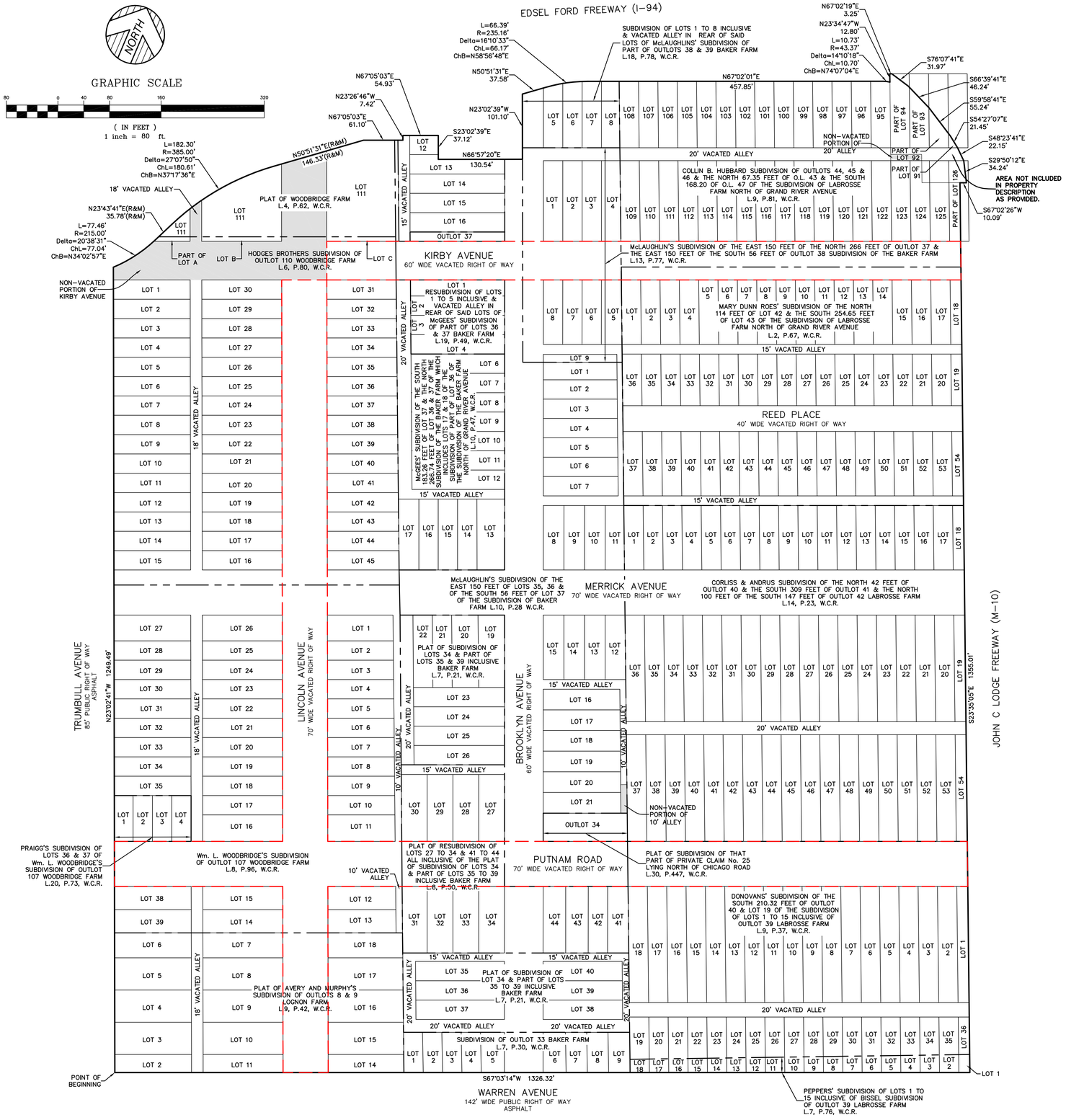
THENCE NORTH 67 DEGREES 02 MINUTES 01 SECONDS EAST CONTINUING ALONG WEST LINE OF SAID JOHN C LODGE SERVICE DRIVE 59.00 FEET, SAID POINT BEING 10.00 FEET, MEASURED AT RIGHT ANGLES, WEST OF THE WEST LINE OF HAMILTON STREET 50 FEET WIDE;

THENCE SOUTH 23 DEGREES 35 MINUTES 05 SECONDS EAST CONTINUING ALONG WEST LINE OF SAID JOHN C. LODGE SERVICE DRIVE 1380.64 FEET TO THE NORTH LINE OF SAID WARREN AVENUE;

THENCE SOUTH 67 DEGREES 03 MINUTES 14 SECONDS WEST ALONG THE NORTH LINE OF SAID WARREN AVENUE 1326.32 FEET TO THE POINT OF BEGINNING.

CONTAINING +/– 44.108 ACRES (1921347 SQUARE FEET).

SUBJECT TO ANY AND ALL EASEMENTS AND/OR RIGHTS–OF–WAYS OF RECORD OR OTHERWISE.



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ALTA / NSPS LAND TITLE SURVEY

PREPARED FOR: PLANTE & MORAN

1302 W. WARREN AVENUE, DETROIT, MICHIGAN,
PART OF PRIVATE CLAIMS 22, 228, 24 AND 246

DESCRIPTION	DATE	BY
REVISION		

DRAWN BY: DB
CHECKED BY: ATS
DATE: 05/13/19 / 05/13/19 / MAY 13, 2019
PROJECT NO. 19-00742
SCALE: 1" = 50'

2

2 OF 2 SHEETS

APPENDIX B

Property Photographs

NTH Consultants, Ltd.
Infrastructure Engineering and Environmental Services

PROPERTY PHOTOGRAPHS

PROJECT NAME:	Basketball Arena Project Property			PROJECT NO.:	62-190085-01
PROPERTY LOCATION:	W. Warren & Trumbull Avenues, Detroit, Michigan				
DATE TAKEN:	April 23, 2019	TAKEN BY:	A. Kelly	PAGE:	1 of 1



Photograph 1. Grass-covered field



Photograph 2. Grass-covered field

APPENDIX C

User Questionnaire

Phase I ESA – USER QUESTIONNAIRE

NTH Project No. 62-190085-00
WSU Parking Lot Property
Detroit, Michigan

In order to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 the User of this study must conduct certain inquiries and provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" is not complete.

Please send the completed questionnaire to bmodi@nthconsultants.com

1. Reason why this Phase I ESA is being performed:
   (For example: sale, purchase, refinance, etc.)

   This Phase one is part of due diligence efforts for a new arena facility.

2. Complete and correct address for the property:
   (Provide map or other documentation showing the property location and boundaries)

   The address will not be determined until final siting of the building is complete.

3. Are any Environmental Liens filed or recorded against the property under federal, state, tribal, or local law?

   Not to the best of my knowledge.

4. Are any Activity and Use Limitations (AULs) under federal, state, tribal, or local law such as engineering controls, land use or deed restrictions, or institutional controls in place and/or have been recorded against the property?

   No.

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

   Wayne State University owns the property.

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

   Wayne State University already owns the property.

Phase I ESA – USER QUESTIONNAIRE
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7. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?

   All information has been shared with the environmental professional.

   (a) Do you know the past uses of the property?

   Residential.

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

   The site is currently an open field and was previously residential.

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

   No.

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

   No.

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

   The site is in an urban setting, some contamination is likely.

Signature: _____

Name & Title: Matt Walker - Project Manager

Relationship to User: Employee

Date: 6/13/19

APPENDIX D

EDR Radius Map Report

WSU Parking Lot Property
W Warren Avenue
Detroit, MI 48202

Inquiry Number: 5624389.2s
April 17, 2019

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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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Physical Setting Source Records Searched	PSGR-1

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

W WARREN AVENUE
DETROIT, MI 48202

COORDINATES

Latitude (North):	42.3536100 - 42° 21' 12.99''
Longitude (West):	83.0768500 - 83° 4' 36.66''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	328947.5
UTM Y (Meters):	4690913.5
Elevation:	624 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6066264 DETROIT, MI
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140628
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
W WARREN AVENUE
DETROIT, MI 48202

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	BUNSON JOHN	1320 W WARREN AVE	EDR Hist Cleaner	Higher	29, 0.005, SSW
B2	LONG SAM	1108 W WARREN AVE	EDR Hist Cleaner	Lower	35, 0.007, East
C3	VOSLER C B	5067 TRUMBULL AVE	EDR Hist Auto	Higher	92, 0.017, WSW
D4	SUN OIL CO	5001 TRUMBULL ST	MI BEA, MI WDS	Lower	113, 0.021, SW
D5	TRUMBELL AVENUE FILL	5001 TRUMBULL ST	MI LUST, MI UST, MI Financial Assurance	Lower	113, 0.021, SW
D6	EQUILON ENTERPRISES	5001 TRUMBULL ST AND	RCRA NonGen / NLR, FINDS, ECHO	Lower	113, 0.021, SW
D7	DANCER S EDDIF SHELL	5001 TRUMBULL AVE	EDR Hist Auto	Lower	113, 0.021, SW
D8	SHELL STATION (FORME	5001 TRUMBULL	MI INVENTORY	Lower	113, 0.021, SW
E9	MANN ABR	1229 WARREN AVE W	EDR Hist Cleaner	Higher	115, 0.022, SE
C10	DOO ROBT	1513 PUTNAM AVE	EDR Hist Cleaner	Higher	120, 0.023, WSW
D11	ROSE RICHD	1404 W WARREN AVE	EDR Hist Cleaner	Lower	125, 0.024, SW
C12	THERE GOES THE NEIGH	5127 TRUMBULL STREET	MI INVENTORY	Higher	125, 0.024, West
A13	ROSEWOOD CLEANERS	1347 W WARREN AVE	EDR Hist Cleaner	Lower	136, 0.026, South
B14	FREEDOM PLACE APARTM	DIVIDEND HOUSING ASS	MI INVENTORY	Lower	143, 0.027, East
D15	BEDFORD SECORD S	1430 W WARREN AVE	EDR Hist Cleaner	Lower	148, 0.028, SW
F16	THERE GOES THE NEIGH	5137 TRUMBULL	MI INVENTORY	Higher	152, 0.029, West
A17	LANGER AND COHEN BR	1309 W WARREN AVE	EDR Hist Auto	Lower	166, 0.031, SSE
E18	CANTOR JACOB	1229 W WARREN AVE	EDR Hist Cleaner	Lower	166, 0.031, SE
E19	NELSON ARTH C REAR	1181 W WARREN AVE	EDR Hist Auto	Lower	167, 0.032, SE
E20	WARREN HAND LNDRY	1215 W WARREN AVE	EDR Hist Cleaner	Lower	167, 0.032, SE
B21	MI DEPT/TRANSPORTATI	M 10 UNDER WARREN AV	RCRA NonGen / NLR	Lower	198, 0.038, East
F22	MONTNEY VICTOR O REA	5136 TRUMBULL AVE	EDR Hist Auto	Higher	224, 0.042, West
F23	PECHERER JACOB	5163 TRUMBULL AVE	EDR Hist Cleaner	Higher	253, 0.048, West
F24	TENNER BENJ	5165 TRUMBULL AVE	EDR Hist Cleaner	Higher	256, 0.048, West
F25	HUGHEY S SERVICE	5170 TRUMBULL AVE	EDR Hist Auto	Higher	265, 0.050, WNW
G26	REED AUTO ELECTRIC S	985 REED PL	EDR Hist Auto	Higher	272, 0.052, NNE
27	ARCHDIOCESE OF DETRO	4844 TRUMBULL ST	RCRA-CESQG	Lower	297, 0.056, SSW
G28	SERVICE ELECTRIC CO	950 REED PL	EDR Hist Auto	Higher	311, 0.059, NNE
H29	HAYES HOMER M	938 W WARREN AVE	EDR Hist Cleaner	Higher	329, 0.062, East
30	FREEDOM PLACE APARTM	1101 W. WARREN	MI INVENTORY	Lower	339, 0.064, ESE
F31	ANDERSON CHRISTIAN	1513 MERRICK AVE	EDR Hist Auto	Higher	342, 0.065, West
H32	WAYNE STATE UNIVERSI	906 W WARREN AVE	RCRA NonGen / NLR	Higher	343, 0.065, East
33	DAHLSTROM CARL A REA	1326 MERRICK AVE	EDR Hist Auto	Higher	359, 0.068, WNW
H34	WARREN GARAGE	929 WARREN AVE W	EDR Hist Auto	Higher	397, 0.075, East
I35	COMMONWEALTH & PUTNA	COMMONWEALTH & PUTNA	MI INVENTORY	Higher	402, 0.076, WSW
I36	PUTNAM AVENUE MERCUR	1603 PUTNAM STREET	SEMS	Lower	422, 0.080, WSW
H37	PHILLIPS FRANK L AND	828 W WARREN AVE	EDR Hist Auto	Higher	440, 0.083, ENE
H38	M AND M ELECTRICAL S	935 W WARREN AVE	EDR Hist Auto	Higher	457, 0.087, East
H39	GREENBERG WM	824 W WARREN AVE	EDR Hist Cleaner	Higher	459, 0.087, ENE

MAPPED SITES SUMMARY

Target Property Address:
W WARREN AVENUE
DETROIT, MI 48202

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
I40	POTTER JAS W	5045 COMMONWEALTH AV	EDR Hist Auto	Lower	466, 0.088, WSW
J41	TRUMBULL GARMENT CLE	5206 TRUMBULL AVE	EDR Hist Cleaner	Higher	470, 0.089, WNW
H42	MARGOLIN HIGMAN	824 WARREN AVE W	EDR Hist Cleaner	Higher	470, 0.089, East
H43	HARTMAN MILTON	915 W WARREN AVE	EDR Hist Cleaner	Higher	494, 0.094, East
H44	WARREN GARAGE	929 W WARREN AVE	EDR Hist Auto	Higher	509, 0.096, East
45	FOREST PK REHAB PROJ	1530 W HANCOCK ST	MI LUST, MI UST	Lower	523, 0.099, SSW
H46	PERRY AND STICKLER	808 W WARREN AVE	EDR Hist Cleaner	Higher	536, 0.102, ENE
J47	MCISAAC JOHN A REAR	5239 TRUMBULL AVE	EDR Hist Auto	Higher	549, 0.104, WNW
H48	WORONOFF HARRY	808 WARREN AVE W	EDR Hist Cleaner	Higher	550, 0.104, ENE
J49	TRUMBULL HAND LAUNDR	5248 TRUMBULL AVE	EDR Hist Cleaner	Higher	606, 0.115, WNW
J50	APES CLEANING CO	5251 TRUMBULL AVE	EDR Hist Cleaner	Higher	609, 0.115, WNW
51	B AND J STANDARD SER	901 W WARREN AVE	EDR Hist Auto	Higher	610, 0.116, East
J52	KEE SING	5250 TRUMBULL AVE	EDR Hist Cleaner	Higher	612, 0.116, WNW
53	LANGER AND COHEN BR	1650 W WARREN AVE	EDR Hist Auto	Lower	650, 0.123, SW
J54	LEE DEEN	5257 TRUMBULL AVE	EDR Hist Cleaner	Higher	653, 0.124, WNW
55	MI DEPT/TRANSPORTATI	I 75 UNDER MILWAUKEE	RCRA NonGen / NLR	Higher	803, 0.152, NW
K56	WAYNE STATE UNIVERSI	818 W HANCOCK ST	RCRA-CESQG, FINDS, ECHO, WI MANIFEST	Higher	857, 0.162, East
K57	KING-SMITH CO	818 W HANCOCK ST	RCRA NonGen / NLR	Higher	857, 0.162, East
58	WAYNE STATE UNIVERSI	5050 ANTHONY WAYNE D	RCRA NonGen / NLR, FINDS, ECHO	Higher	889, 0.168, ENE
59	W. FOREST AND TRUMBU	W. FOREST AND TRUMBU	MI INVENTORY	Lower	962, 0.182, South
60	MI DEPT/TRANSPORTATI	M 10 UNDER FOREST AV	RCRA NonGen / NLR	Lower	963, 0.182, ESE
61	NORTHWEST TRIANGLE I	MULTIPLE ADDRESSES O	US BROWNFIELDS, FINDS	Higher	977, 0.185, West
L62	UNIVERSITY CLUB APTS	900 W FOREST AVE	MI LUST, MI UST, RCRA NonGen / NLR, FINDS, ECHO,...	Higher	1123, 0.213, ESE
L63	900 W. FOREST	900 W. FOREST	MI INVENTORY	Higher	1123, 0.213, ESE
64	DETROIT PUBLIC SCHOO	1745 W HANCOCK ST	RCRA-CESQG	Lower	1159, 0.220, SW
M65	THE POWER OF GREEN H	1777-1789 W WARREN,	US BROWNFIELDS	Lower	1171, 0.222, SW
N66	DHT TRANSPORTATION	5150 ROSA PARKS BLVD	MI UST	Lower	1187, 0.225, WSW
N67	DHT TRANSPORTATION	5150 ROSA PARKS BLVD	MI LUST, MI INVENTORY, MI BEA, MI WDS	Lower	1187, 0.225, WSW
O68	UNIVERSITY MEADOWS A	4500 TRUMBULL AVENUE	MI INVENTORY	Lower	1201, 0.227, South
O69	UNIVERSITY MEADOWS A	4500 TRUMBULL AVENUE	MI INVENTORY	Lower	1201, 0.227, South
M70	EXCEPTIONAL LIVING O	1783 WEST WARREN AVE	MI INVENTORY	Lower	1204, 0.228, SW
M71	EXCEPTIONAL LIVING O	1783 WEST WARREN AVE	MI BEA	Lower	1204, 0.228, SW
P72	DTE ELECTRIC COMPANY	4603 FOURTH ST	RCRA-CESQG	Lower	1292, 0.245, ESE
P73	DTE ELECTRIC COMPANY	4603 FOURTH ST	MI INVENTORY, MI WDS	Lower	1292, 0.245, ESE
74	WAYNE STATE UNIVERSI	666 W HANCOCK ST	RCRA-CESQG, WI MANIFEST	Higher	1309, 0.248, East
75	DETROIT PUBLIC SCHOO	4555 JOHN C LODGE FR	RCRA-CESQG, FINDS, ECHO	Lower	1315, 0.249, SE
76	THOMAS GOODFELLOW IN	5201 ROSA PARKS BLVD	MI LUST, MI UST, MI INVENTORY, MI WDS	Lower	1531, 0.290, West
Q77	FORMER GAS STATION	4387 3RD AVENUE 4477	MI LUST, MI INVENTORY	Lower	1606, 0.304, ESE
Q78	MHT HOUSING INC	4387 3RD ST	MI BEA, MI WDS	Lower	1606, 0.304, ESE

MAPPED SITES SUMMARY

Target Property Address:
W WARREN AVENUE
DETROIT, MI 48202

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Q79	FORMER GASOLINE STAT	4387 3RD AVENUE	MI INVENTORY	Lower	1606, 0.304, ESE
Q80	FORMER GASOLINE STAT	4387 THIRD AVENUE	MI INVENTORY	Lower	1606, 0.304, ESE
81	FORMER WHITING DISTR	5470 HECLA STREET	MI BEA, MI WDS	Higher	1652, 0.313, WNW
Q82	4468 3RD AVENUE	4468 3RD AVENUE	MI INVENTORY	Lower	1672, 0.317, ESE
R83	FORMER WHITING DISTR	5621 COMMONWEALTH (P	MI BEA	Higher	1769, 0.335, NW
R84	MCGEAN-ROHCO INC	5621 COMMONWEALTH ST	MI BEA, MI WDS	Higher	1769, 0.335, NW
R85	5621 COMMONWEALTH	5621 COMMONWEALTH	MI INVENTORY	Higher	1769, 0.335, NW
86	4625 SECOND AVENUE,	4625 SECOND AVENUE	US BROWNFIELDS, FINDS	Higher	1823, 0.345, East
S87	LEONARD ARCHIVES	5757 TRUMBULL ST	MI BEA, MI WDS	Higher	2118, 0.401, NW
S88	5757 TRUMBULL DETROI	5757 TRUMBULL AVENUE	MI INVENTORY	Higher	2118, 0.401, NW
89	GRAND RIVER/FOREST/R	GRAND RIVER/FOREST/R	MI INVENTORY	Lower	2186, 0.414, SW
T90	HANCOCK CENTER	HANCOCK AVENUE & CAS	MI LUST, MI UST	Higher	2191, 0.415, East
S91	5766 TRUMBULL	5766 TRUMBULL	MI INVENTORY	Higher	2201, 0.417, NW
92	DDOT GILBERT GARAGE	5600 WABASH ST	MI LUST, MI UST, MI INVENTORY, MI Financial...	Higher	2232, 0.423, WNW
T93	URBCAMCOM/WDU I, LLC	4830 CASS AVENUE	MI INVENTORY, MI BEA	Higher	2251, 0.426, ENE
U94	4231 THIRD STREET LL	4231 THIRD STREET	MI INVENTORY	Lower	2271, 0.430, SE
95	FORMER INDUSTRIAL PR	5736 ROSA PARKS BLVD	MI INVENTORY, MI BEA	Higher	2291, 0.434, WNW
U96	4225 THIRD STREET LL	4225 THIRD STREET	MI INVENTORY	Lower	2329, 0.441, SE
T97	URBCAMCOM/WSU I, LLC	4808 CASS AVENUE	MI INVENTORY	Higher	2355, 0.446, East
T98	URBAN CAMPUS COMMUNI	4808 CASS AVENUE	US BROWNFIELDS, FINDS	Higher	2355, 0.446, East
T99	FORMER GAS STATION (	4808 CASS AVE.	MI INVENTORY	Higher	2355, 0.446, East
T100	FORMER GAS STATION (	4808 CASS AVE.	MI LUST	Higher	2355, 0.446, East
T101	UNION AT MIDTOWN	4808 CASS AVENUE	MI INVENTORY	Higher	2355, 0.446, East
V102	HENRY FORD HEALTH SY	1800 ANTOINETTE STRE	MI INVENTORY, MI BEA, MI WDS	Higher	2363, 0.448, NW
W103	H & H WHEEL	5114 14TH STREET	MI INVENTORY	Lower	2378, 0.450, WSW
104	UNIVERSAL LOFTS	5805 LINCOLN STREET	MI INVENTORY	Higher	2382, 0.451, NNW
105	FORMER INDUSTRIAL PR	5781 COMMONWEALTH ST	MI INVENTORY, MI BEA	Higher	2407, 0.456, NW
106	RESIDENTIAL PROPERTY	4145 4TH ST	MI LUST, MI INVENTORY, MI WDS	Lower	2408, 0.456, SE
X107	CANFIELD LOFTS LLC	460 W CANFIELD ST	MI SPILLS, RCRA NonGen / NLR, FINDS, ECHO, MI BEA,...	Lower	2482, 0.470, ESE
108	ASH STEVENS LLC	5861 JOHN C LODGE FW	MI INVENTORY, MI WDS	Higher	2492, 0.472, North
W109	H & H WHEEL SERVICE	5111 14TH ST	MI LUST, MI UST, MI INVENTORY	Lower	2519, 0.477, WSW
Y110	DEPT OF PUBLIC SAFET	5454 CASS AVE	MI LUST, MI UST, MI ASBESTOS, MI WDS	Higher	2524, 0.478, NE
Y111	DEPT OF PUBLIC SAFET	5454 CASS AVE	MI INVENTORY	Higher	2524, 0.478, NE
Z112	FORMER INDUSTRIAL PR	5736 AND 5784 ROSA P	MI BEA	Higher	2529, 0.479, WNW
Z113	FORMER INDUSTRIAL PR	5736 AND 5784 ROSA P	MI INVENTORY	Higher	2529, 0.479, WNW
V114		1750-1800 ANTOINETTE	MI BEA	Higher	2540, 0.481, NW
115	MECHANICS UNIFORM RE	2244 W WARREN AVE	MI LUST, MI UST, MI INVENTORY, MI WDS	Lower	2567, 0.486, WSW
Y116	CAMPUS VILLAGE	5500 CASS AVENUE	MI INVENTORY	Higher	2584, 0.489, NE
Y117	CAMPUS VILLAGE	5500 CASS AVENUE	MI BEA	Higher	2584, 0.489, NE

MAPPED SITES SUMMARY

Target Property Address:
W WARREN AVENUE
DETROIT, MI 48202

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
X118	DETROIT PUBLIC SCHOO	441 W. CANFIELD STRE	MI INVENTORY	Lower	2589, 0.490, ESE
X119	DETROIT PUBLIC SCHOO	441 W. CANFIELD AVE	MI INVENTORY	Lower	2589, 0.490, ESE
X120	WILLIS WAREHOUSE / D	441 W CANFIELD ST	MI LUST, MI UST	Lower	2589, 0.490, ESE
X121	DETROIT PUBLIC SCHOO	441 W. CANFIELD AVE	MI BEA	Lower	2589, 0.490, ESE
AA122	COMMERCIAL OFFICE BU	60 WEST HANCOCK	MI INVENTORY	Higher	2626, 0.497, ENE
AA123	COMMERCIAL OFFICE BU	60 WEST HANCOCK	MI BEA	Higher	2626, 0.497, ENE
AB124	CARACO PHARMACEUTICA	1150 ELIJAH MCCOY DR	MI INVENTORY	Higher	2629, 0.498, NNW
AB125	CARACO PHARMACEUTICA	1150 ELIJAH MCCOY DR	MI INVENTORY	Higher	2629, 0.498, NNW
126	GERI'S AUTO SERVICE	3574 2ND AVE	MI LUST, MI UST, MI PART 201, MI WDS	Lower	4110, 0.778, SE
AC127	CARTER INDUSTRIALS,	4690 HUMBOLDT	Delisted NPL, SEMS, US ENG CONTROLS, US INST...	Lower	4125, 0.781, SW
AC128	CARTER INDUSTRIAL ST	4690 HUMBOLDT AVE	MI LUST, MI UST, MI INVENTORY, PRP, CONSENT	Lower	4125, 0.781, SW
AC129	CARTER INDUSTRIALS,	4690 HUMBOLDT	MI BROWNFIELDS, MI DEL PART 201, MI WDS	Lower	4125, 0.781, SW
130	65 PIQUETTE PROPERTY	65 PIQUETTE ST	MI BROWNFIELDS, MI PART 201, MI INVENTORY, MI BEA,...	Higher	4592, 0.870, NNE
131	LAWTON AVENUE SITE	4445 LAWTON ST	MI UST, MI BROWNFIELDS, MI INVENTORY, MI PART 201,...	Lower	4958, 0.939, SW
132	STUDEBAKER CORPORATI	6230 JOHN R. ROAD	MI BROWNFIELDS, MI PART 201, MI INVENTORY	Higher	5027, 0.952, NNE

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 CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

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.

EXECUTIVE SUMMARY

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

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

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal institutional control / engineering control registries

MI AUL ---------- Engineering and Institutional Controls

State and tribal voluntary cleanup sites

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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

MI SWRCY ---------- Recycling Facilities
MI HIST LF ---------- Inactive Solid Waste 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

Local Land Records

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

EXECUTIVE SUMMARY

EPA WATCH LIST---------- EPA WATCH LIST
2020 COR ACTION---------- 2020 Corrective Action Program List
TSCA---------- Toxic Substances Control Act
TRIS---------- Toxic Chemical Release Inventory System
SSTS---------- Section 7 Tracking Systems
RMP---------- Risk Management Plans
RAATS---------- RCRA Administrative Action Tracking System
PADS---------- PCB Activity Database System
ICIS---------- Integrated Compliance Information 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
INDIAN RESERV---------- Indian Reservations
FUSRAP---------- Formerly Utilized Sites Remedial Action Program
UMTRA---------- Uranium Mill Tailings 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 COAL ASH---------- Coal Ash Disposal Sites
MI DRYCLEANERS---------- Drycleaning Establishments
MI LEAD---------- Lead Safe Housing Registry
MI NPDES---------- List of Active NPDES Permits
MI UIC---------- Underground Injection Wells Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP---------- EDR Proprietary Manufactured Gas Plants

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.

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

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

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal Delisted NPL site list

Delisted NPL: 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 deleted from the NPL where no further response is appropriate.

A review of the Delisted NPL list, as provided by EDR, and dated 03/11/2019 has revealed that there is 1 Delisted NPL site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CARTER INDUSTRIALS, EPA ID:: MID980274179 Site ID:: 502729	***4690 HUMBOLDT***	***SW 1/2 - 1 (0.781 mi.)***	***AC127***	***162***

Federal CERCLIS list

SEMS: 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 know 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.

A review of the SEMS list, as provided by EDR, and dated 02/06/2019 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PUTNAM AVENUE MERCUR Site ID: 0510554 EPA Id: MIN000510554	1603 PUTNAM STREET	WSW 0 - 1/8 (0.080 mi.)	I36	27

Federal RCRA generators list

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 6 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WAYNE STATE UNIVERSI	***818 W HANCOCK ST***	***E 1/8 - 1/4 (0.162 mi.)***	***K56***	***35***

EPA ID:: MIR000042531

WAYNE STATE UNIVERSI	***666 W HANCOCK ST***	***E 1/8 - 1/4 (0.248 mi.)***	***74***	***84***
EPA ID:: MIR000042523				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCHDIOCESE OF DETRO EPA ID:: MIK994712388	4844 TRUMBULL ST	SSW 0 - 1/8 (0.056 mi.)	27	23
DETROIT PUBLIC SCHOO EPA ID:: MIK734675465	1745 W HANCOCK ST	SW 1/8 - 1/4 (0.220 mi.)	64	62
DTE ELECTRIC COMPANY EPA ID:: MIK108168695	4603 FOURTH ST	ESE 1/8 - 1/4 (0.245 mi.)	P72	82
DETROIT PUBLIC SCHOO EPA ID:: MIK214015431	***4555 JOHN C LODGE FR***	***SE 1/8 - 1/4 (0.249 mi.)***	***75***	***90***

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 01/07/2019 has revealed that there are 14 MI LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNIVERSITY CLUB APTS Release Status: Closed Substance Release: Kerosene Facility Id: 00037613	***900 W FOREST AVE***	***ESE 1/8 - 1/4 (0.213 mi.)***	***L62***	***58***
HANCOCK CENTER Release Status: Closed Substance Release: Unknown Facility Id: 00040576	***HANCOCK AVENUE & CAS***	***E 1/4 - 1/2 (0.415 mi.)***	***T90***	***108***
DDOT GILBERT GARAGE Release Status: Open Substance Release: Unknown Facility Id: 00013463	***5600 WABASH ST***	***WNW 1/4 - 1/2 (0.423 mi.)***	***92***	***110***
FORMER GAS STATION (Release Status: Open Substance Release: Gasoline,Gasoline,Gasoline,Gasoline,Gasoline Facility Id: 50006014	4808 CASS AVE.	E 1/4 - 1/2 (0.446 mi.)	T100	131
DEPT OF PUBLIC SAFET Release Status: Closed Substance Release: Unknown,Unknown Facility Id: 00018538	***5454 CASS AVE***	***NE 1/4 - 1/2 (0.478 mi.)***	***Y110***	***140***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRUMBELL AVENUE FILL	***5001 TRUMBULL ST***	***SW 0 - 1/8 (0.021 mi.)***	***D5***	***9***

Release Status: Closed
Facility Id: 00002272

FOREST PK REHAB PROJ	***1530 W HANCOCK ST***	***SSW 0 - 1/8 (0.099 mi.)***	***45***	***30***
Release Status: Closed Substance Release: Diesel Facility Id: 00037778				
DHT TRANSPORTATION	***5150 ROSA PARKS BLVD***	***WSW 1/8 - 1/4 (0.225 mi.)***	***N67***	***80***
Release Status: Open Facility Id: 50000025				
THOMAS GOODFELLOW IN	***5201 ROSA PARKS BLVD***	***W 1/4 - 1/2 (0.290 mi.)***	***76***	***92***
Release Status: Open Substance Release: Unknown Facility Id: 00016013				
FORMER GAS STATION	***4387 3RD AVENUE 4477***	***ESE 1/4 - 1/2 (0.304 mi.)***	***Q77***	***94***
Release Status: Open Substance Release: Unknown Facility Id: 50005596				
RESIDENTIAL PROPERTY	***4145 4TH ST***	***SE 1/4 - 1/2 (0.456 mi.)***	***106***	***134***
Release Status: Open Substance Release: Gasoline,Gasoline Facility Id: 00042766				
H & H WHEEL SERVICE	***5111 14TH ST***	***WSW 1/4 - 1/2 (0.477 mi.)***	***W109***	***139***
Release Status: Open Facility Id: 00034644				
MECHANICS UNIFORM RE	***2244 W WARREN AVE***	***WSW 1/4 - 1/2 (0.486 mi.)***	***115***	***147***
Release Status: Open Substance Release: Gasoline,Unknown Facility Id: 00020846				
WILLIS WAREHOUSE / D	***441 W CANFIELD ST***	***ESE 1/4 - 1/2 (0.490 mi.)***	***X120***	***152***
Release Status: Closed Substance Release: Gasoline,Diesel,Waste Oil Facility Id: 00005462				

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 4 MI UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNIVERSITY CLUB APTS	***900 W FOREST AVE***	***ESE 1/8 - 1/4 (0.213 mi.)***	***L62***	***58***
Database: UST, Date of Government Version: 02/06/2019 Tank Status: Removed from Ground Facility Type: CLOSED Facility Id: 00037613				

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRUMBELL AVENUE FILL	***5001 TRUMBULL ST***	***SW 0 - 1/8 (0.021 mi.)***	***D5***	***9***
Database: UST, Date of Government Version: 02/06/2019				

Tank Status: Currently In Use
Tank Status: Removed from Ground
Facility Type: ACTIVE
Facility Id: 00002272

FOREST PK REHAB PROJ	***1530 W HANCOCK ST***	***SSW 0 - 1/8 (0.099 mi.)***	***45***	***30***
Database: UST, Date of Government Version: 02/06/2019 Tank Status: Removed from Ground Facility Type: CLOSED Facility Id: 00037778				
DHT TRANSPORTATION	5150 ROSA PARKS BLVD	WSW 1/8 - 1/4 (0.225 mi.)	N66	79
Database: UST, Date of Government Version: 02/06/2019 Tank Status: Non-Registered Tank Facility Type: CLOSED Facility Id: 50000025				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 12/17/2018 has revealed that there are 4 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTHWEST TRIANGLE I ACRES property ID: 106399	***MULTIPLE ADDRESSES O***	***W 1/8 - 1/4 (0.185 mi.)***	***61***	***50***
4625 SECOND AVENUE, ACRES property ID: 106383	***4625 SECOND AVENUE***	***E 1/4 - 1/2 (0.345 mi.)***	***86***	***99***
URBAN CAMPUS COMMUNI ACRES property ID: 106366	***4808 CASS AVENUE***	***E 1/4 - 1/2 (0.446 mi.)***	***T98***	***120***

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE POWER OF GREEN H ACRES property ID: 106381	1777-1789 W WARREN,	SW 1/8 - 1/4 (0.222 mi.)	M65	64

Local Lists of Hazardous waste / Contaminated Sites

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 are 4 MI PART 201 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
65 PIQUETTE PROPERTY	***65 PIQUETTE ST***	***NNE 1/2 - 1 (0.870 mi.)***	***130***	***189***
Facility Status: Interim Response conducted - No further activities anticipated Facility ID: 82001639				
STUDEBAKER CORPORATI	***6230 JOHN R. ROAD***	***NNE 1/2 - 1 (0.952 mi.)***	***132***	***193***
Facility Status: Inactive - no actions taken to address contamination Facility ID: 82001585				

Lower Elevation	Address	Direction / Distance	Map ID	Page
GERI'S AUTO SERVICE	***3574 2ND AVE***	***SE 1/2 - 1 (0.778 mi.)***	***126***	***157***
Facility Status: See Leaking Underground Storage Tank Site Database Facility ID: 82001810				
LAWTON AVENUE SITE	***4445 LAWTON ST***	***SW 1/2 - 1 (0.939 mi.)***	***131***	***190***
Facility Status: Interim Response conducted - No further activities anticipated Facility ID: 82001560				

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 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 01/22/2019 has revealed that there are 46 MI INVENTORY sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THERE GOES THE NEIGH Facility ID: 82002910	5127 TRUMBULL STREET	W 0 - 1/8 (0.024 mi.)	C12	18
THERE GOES THE NEIGH	5137 TRUMBULL	W 0 - 1/8 (0.029 mi.)	F16	19
COMMONWEALTH & PUTNA Facility ID: 82003129	COMMONWEALTH & PUTNA	WSW 0 - 1/8 (0.076 mi.)	I35	27
900 W. FOREST Facility ID: 82003073	900 W. FOREST	ESE 1/8 - 1/4 (0.213 mi.)	L63	61
5621 COMMONWEALTH	5621 COMMONWEALTH	NW 1/4 - 1/2 (0.335 mi.)	R85	99

Facility ID: 82002993				
5757 TRUMBULL DETROI	5757 TRUMBULL AVENUE	NW 1/4 - 1/2 (0.401 mi.)	S88	108
5766 TRUMBULL	5766 TRUMBULL	NW 1/4 - 1/2 (0.417 mi.)	S91	109
Facility ID: 82001919				
DDOT GILBERT GARAGE	***5600 WABASH ST***	***WNW 1/4 - 1/2 (0.423 mi.)***	***92***	***110***
Facility ID: 00013463				
URBCAMCOM/WDU I, LLC	***4830 CASS AVENUE***	***ENE 1/4 - 1/2 (0.426 mi.)***	***T93***	***118***
FORMER INDUSTRIAL PR	***5736 ROSA PARKS BLVD***	***WNW 1/4 - 1/2 (0.434 mi.)***	***95***	***119***
URBCAMCOM/WSU I, LLC	4808 CASS AVENUE	E 1/4 - 1/2 (0.446 mi.)	T97	120
Facility ID: 82002965				
FORMER GAS STATION (	4808 CASS AVE.	E 1/4 - 1/2 (0.446 mi.)	T99	130
Facility ID: 50006014				
UNION AT MIDTOWN	4808 CASS AVENUE	E 1/4 - 1/2 (0.446 mi.)	T101	131
Facility ID: 82002965				
HENRY FORD HEALTH SY	***1800 ANTOINETTE STRE***	***NW 1/4 - 1/2 (0.448 mi.)***	***V102***	***131***
UNIVERSAL LOFTS	5805 LINCOLN STREET	NNW 1/4 - 1/2 (0.451 mi.)	104	133
Facility ID: 82002690				
FORMER INDUSTRIAL PR	***5781 COMMONWEALTH ST***	***NW 1/4 - 1/2 (0.456 mi.)***	***105***	***133***
ASH STEVENS LLC	***5861 JOHN C LODGE FW***	***N 1/4 - 1/2 (0.472 mi.)***	***108***	***138***
Facility ID: 82003123				
DEPT OF PUBLIC SAFET	5454 CASS AVE	NE 1/4 - 1/2 (0.478 mi.)	Y111	146
Facility ID: 00018538				
FORMER INDUSTRIAL PR	5736 AND 5784 ROSA P	WNW 1/4 - 1/2 (0.479 mi.)	Z113	146
CAMPUS VILLAGE	5500 CASS AVENUE	NE 1/4 - 1/2 (0.489 mi.)	Y116	151
COMMERCIAL OFFICE BU	60 WEST HANCOCK	ENE 1/4 - 1/2 (0.497 mi.)	AA122	156
CARACO PHARMACEUTICA	1150 ELIJAH MCCOY DR	NNW 1/4 - 1/2 (0.498 mi.)	AB124	157
Facility ID: 82003234				
CARACO PHARMACEUTICA	1150 ELIJAH MCCOY DR	NNW 1/4 - 1/2 (0.498 mi.)	AB125	157
Facility ID: 82003234				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL STATION (FORME	5001 TRUMBULL	SW 0 - 1/8 (0.021 mi.)	D8	17
FREEDOM PLACE APARTM	DIVIDEND HOUSING ASS	E 0 - 1/8 (0.027 mi.)	B14	18
FREEDOM PLACE APARTM	1101 W. WARREN	ESE 0 - 1/8 (0.064 mi.)	30	25
Facility ID: 82002617				
W. FOREST AND TRUMBU	W. FOREST AND TRUMBU	S 1/8 - 1/4 (0.182 mi.)	59	49
Facility ID: 82003077				
DHT TRANSPORTATION	***5150 ROSA PARKS BLVD***	***WSW 1/8 - 1/4 (0.225 mi.)***	***N67***	***80***
Facility ID: 50000025				
UNIVERSITY MEADOWS A	4500 TRUMBULL AVENUE	S 1/8 - 1/4 (0.227 mi.)	O68	81
Facility ID: 82003235				
UNIVERSITY MEADOWS A	4500 TRUMBULL AVENUE	S 1/8 - 1/4 (0.227 mi.)	O69	81
Facility ID: 82003235				
EXCEPTIONAL LIVING O	1783 WEST WARREN AVE	SW 1/8 - 1/4 (0.228 mi.)	M70	82
DTE ELECTRIC COMPANY	***4603 FOURTH ST***	***ESE 1/8 - 1/4 (0.245 mi.)***	***P73***	***84***
THOMAS GOODFELLOW IN	***5201 ROSA PARKS BLVD***	***W 1/4 - 1/2 (0.290 mi.)***	***76***	***92***
Facility ID: 00016013				
FORMER GAS STATION	***4387 3RD AVENUE 4477***	***ESE 1/4 - 1/2 (0.304 mi.)***	***Q77***	***94***

Facility ID: 50005596				
FORMER GASOLINE STAT	4387 3RD AVENUE	ESE 1/4 - 1/2 (0.304 mi.)	Q79	96
FORMER GASOLINE STAT	4387 THIRD AVENUE	ESE 1/4 - 1/2 (0.304 mi.)	Q80	96
4468 3RD AVENUE	4468 3RD AVENUE	ESE 1/4 - 1/2 (0.317 mi.)	Q82	98
GRAND RIVER/FOREST/R Facility ID: 82002941	GRAND RIVER/FOREST/R	SW 1/4 - 1/2 (0.414 mi.)	89	108
4231 THIRD STREET LL	4231 THIRD STREET	SE 1/4 - 1/2 (0.430 mi.)	U94	119
4225 THIRD STREET LL	4225 THIRD STREET	SE 1/4 - 1/2 (0.441 mi.)	U96	119
H & H WHEEL Facility ID: 82001538	5114 14TH STREET	WSW 1/4 - 1/2 (0.450 mi.)	W103	132
RESIDENTIAL PROPERTY Facility ID: 00042766	***4145 4TH ST***	***SE 1/4 - 1/2 (0.456 mi.)***	***106***	***134***
H & H WHEEL SERVICE Facility ID: 00034644	***5111 14TH ST***	***WSW 1/4 - 1/2 (0.477 mi.)***	***W109***	***139***
MECHANICS UNIFORM RE Facility ID: 00020846	***2244 W WARREN AVE***	***WSW 1/4 - 1/2 (0.486 mi.)***	***115***	***147***
DETROIT PUBLIC SCHOO	441 W. CANFIELD STRE	ESE 1/4 - 1/2 (0.490 mi.)	X118	152
DETROIT PUBLIC SCHOO	441 W. CANFIELD AVE	ESE 1/4 - 1/2 (0.490 mi.)	X119	152

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

Lower Elevation	Address	Direction / Distance	Map ID	Page
CARTER INDUSTRIALS, Facility Id: 82000005	***4690 HUMBOLDT***	***SW 1/2 - 1 (0.781 mi.)***	***AC129***	***189***

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there are 8 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WAYNE STATE UNIVERSI EPA ID:: MIK231288549	906 W WARREN AVE	E 0 - 1/8 (0.065 mi.)	H32	25
MI DEPT/TRANSPORTATI	I 75 UNDER MILWAUKEE	NW 1/8 - 1/4 (0.152 mi.)	55	34

EPA ID:: MIR000024091				
KING-SMITH CO EPA ID:: MID005506159	818 W HANCOCK ST	E 1/8 - 1/4 (0.162 mi.)	K57	44
WAYNE STATE UNIVERSI EPA ID:: MIR000042473	***5050 ANTHONY WAYNE D***	***ENE 1/8 - 1/4 (0.168 mi.)***	***58***	***45***
UNIVERSITY CLUB APTS EPA ID:: MID985657824	***900 W FOREST AVE***	***ESE 1/8 - 1/4 (0.213 mi.)***	***L62***	***58***

Lower Elevation	Address	Direction / Distance	Map ID	Page
EQUILON ENTERPRISES EPA ID:: MID985625763	***5001 TRUMBULL ST AND***	***SW 0 - 1/8 (0.021 mi.)***	***D6***	***14***
MI DEPT/TRANSPORTATI EPA ID:: MIR000009621	M 10 UNDER WARREN AV	E 0 - 1/8 (0.038 mi.)	B21	20
MI DEPT/TRANSPORTATI EPA ID:: MI0000555730	M 10 UNDER FOREST AV	ESE 1/8 - 1/4 (0.182 mi.)	60	49

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 03/11/2019 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CARTER INDUSTRIALS, EPA ID:: MID980274179	***4690 HUMBOLDT***	***SW 1/2 - 1 (0.781 mi.)***	***AC127***	***162***

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 12/31/2018 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CARTER INDUSTRIAL ST	***4690 HUMBOLDT AVE***	***SW 1/2 - 1 (0.781 mi.)***	***AC128***	***185***

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 18 MI BEA sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER WHITING DISTR	***5470 HECLA STREET***	***WNW 1/4 - 1/2 (0.313 mi.)***	***81***	***96***
FORMER WHITING DISTR	5621 COMMONWEALTH (P	NW 1/4 - 1/2 (0.335 mi.)	R83	98
MCGEAN-ROHCO INC	***5621 COMMONWEALTH ST***	***NW 1/4 - 1/2 (0.335 mi.)***	***R84***	***98***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEONARD ARCHIVES	***5757 TRUMBULL ST***	***NW 1/4 - 1/2 (0.401 mi.)***	***S87***	***107***
URBCAMCOM/WDU I, LLC	***4830 CASS AVENUE***	***ENE 1/4 - 1/2 (0.426 mi.)***	***T93***	***118***
FORMER INDUSTRIAL PR	***5736 ROSA PARKS BLVD***	***WNW 1/4 - 1/2 (0.434 mi.)***	***95***	***119***
HENRY FORD HEALTH SY	***1800 ANTOINETTE STRE***	***NW 1/4 - 1/2 (0.448 mi.)***	***V102***	***131***
FORMER INDUSTRIAL PR	***5781 COMMONWEALTH ST***	***NW 1/4 - 1/2 (0.456 mi.)***	***105***	***133***
FORMER INDUSTRIAL PR	5736 AND 5784 ROSA P	WNW 1/4 - 1/2 (0.479 mi.)	Z112	146
Not reported	1750-1800 ANTOINETTE	NW 1/4 - 1/2 (0.481 mi.)	V114	147
CAMPUS VILLAGE	5500 CASS AVENUE	NE 1/4 - 1/2 (0.489 mi.)	Y117	151
COMMERCIAL OFFICE BU	60 WEST HANCOCK	ENE 1/4 - 1/2 (0.497 mi.)	AA123	156

Lower Elevation	Address	Direction / Distance	Map ID	Page
SUN OIL CO	***5001 TRUMBULL ST***	***SW 0 - 1/8 (0.021 mi.)***	***D4***	***8***
DHT TRANSPORTATION	***5150 ROSA PARKS BLVD***	***WSW 1/8 - 1/4 (0.225 mi.)***	***N67***	***80***
EXCEPTIONAL LIVING O	1783 WEST WARREN AVE	SW 1/8 - 1/4 (0.228 mi.)	M71	82
MHT HOUSING INC	***4387 3RD ST***	***ESE 1/4 - 1/2 (0.304 mi.)***	***Q78***	***95***
CANFIELD LOFTS LLC	***460 W CANFIELD ST***	***ESE 1/4 - 1/2 (0.470 mi.)***	***X107***	***134***
DETROIT PUBLIC SCHOO	441 W. CANFIELD AVE	ESE 1/4 - 1/2 (0.490 mi.)	X121	156

WI MANIFEST: Hazardous waste manifest information.

A review of the WI MANIFEST list, as provided by EDR, and dated 12/31/2017 has revealed that there are 2 WI MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WAYNE STATE UNIVERSI ACT Status: A FID: 0 EPA ID: MIR000042531	***818 W HANCOCK ST***	***E 1/8 - 1/4 (0.162 mi.)***	***K56***	***35***
WAYNE STATE UNIVERSI ACT Status: A FID: 0 EPA ID: MIR000042523	***666 W HANCOCK ST***	***E 1/8 - 1/4 (0.248 mi.)***	***74***	***84***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: 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.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 18 EDR Hist Auto

sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VOSLER C B	5067 TRUMBULL AVE	WSW 0 - 1/8 (0.017 mi.)	C3	8
MONTNEY VICTOR O REA	5136 TRUMBULL AVE	W 0 - 1/8 (0.042 mi.)	F22	21
HUGHEY S SERVICE	5170 TRUMBULL AVE	WNW 0 - 1/8 (0.050 mi.)	F25	22
REED AUTO ELECTRIC S	985 REED PL	NNE 0 - 1/8 (0.052 mi.)	G26	22
SERVICE ELECTRIC CO	950 REED PL	NNE 0 - 1/8 (0.059 mi.)	G28	24
ANDERSON CHRISTIAN	1513 MERRICK AVE	W 0 - 1/8 (0.065 mi.)	F31	25
DAHLSTROM CARL A REA	1326 MERRICK AVE	WNW 0 - 1/8 (0.068 mi.)	33	26
WARREN GARAGE	929 WARREN AVE W	E 0 - 1/8 (0.075 mi.)	H34	27
PHILLIPS FRANK L AND	828 W WARREN AVE	ENE 0 - 1/8 (0.083 mi.)	H37	28
M AND M ELECTRICAL S	935 W WARREN AVE	E 0 - 1/8 (0.087 mi.)	H38	28
WARREN GARAGE	929 W WARREN AVE	E 0 - 1/8 (0.096 mi.)	H44	29
MCISAAC JOHN A REAR	5239 TRUMBULL AVE	WNW 0 - 1/8 (0.104 mi.)	J47	32
B AND J STANDARD SER	901 W WARREN AVE	E 0 - 1/8 (0.116 mi.)	51	33

Lower Elevation	Address	Direction / Distance	Map ID	Page
DANCER S EDDIF SHELL	5001 TRUMBULL AVE	SW 0 - 1/8 (0.021 mi.)	D7	16
LANGER AND COHEN BR	1309 W WARREN AVE	SSE 0 - 1/8 (0.031 mi.)	A17	19
NELSON ARTH C REAR	1181 W WARREN AVE	SE 0 - 1/8 (0.032 mi.)	E19	20
POTTER JAS W	5045 COMMONWEALTH AV	WSW 0 - 1/8 (0.088 mi.)	I40	28
LANGER AND COHEN BR	1650 W WARREN AVE	SW 0 - 1/8 (0.123 mi.)	53	33

EDR Hist Cleaner: 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.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 22 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BUNSON JOHN	1320 W WARREN AVE	SSW 0 - 1/8 (0.005 mi.)	A1	8
MANN ABR	1229 WARREN AVE W	SE 0 - 1/8 (0.022 mi.)	E9	17
DOO ROBT	1513 PUTNAM AVE	WSW 0 - 1/8 (0.023 mi.)	C10	17
PECHERER JACOB	5163 TRUMBULL AVE	W 0 - 1/8 (0.048 mi.)	F23	22
TENNER BENJ	5165 TRUMBULL AVE	W 0 - 1/8 (0.048 mi.)	F24	22
HAYES HOMER M	938 W WARREN AVE	E 0 - 1/8 (0.062 mi.)	H29	24
GREENBERG WM	824 W WARREN AVE	ENE 0 - 1/8 (0.087 mi.)	H39	28
TRUMBULL GARMENT CLE	5206 TRUMBULL AVE	WNW 0 - 1/8 (0.089 mi.)	J41	29
MARGOLIN HIGMAN	824 WARREN AVE W	E 0 - 1/8 (0.089 mi.)	H42	29
HARTMAN MILTON	915 W WARREN AVE	E 0 - 1/8 (0.094 mi.)	H43	29
PERRY AND STICKLER	808 W WARREN AVE	ENE 0 - 1/8 (0.102 mi.)	H46	32
WORONOFF HARRY	808 WARREN AVE W	ENE 0 - 1/8 (0.104 mi.)	H48	32
TRUMBULL HAND LAUNDR	5248 TRUMBULL AVE	WNW 0 - 1/8 (0.115 mi.)	J49	32
APES CLEANING CO	5251 TRUMBULL AVE	WNW 0 - 1/8 (0.115 mi.)	J50	32
KEE SING	5250 TRUMBULL AVE	WNW 0 - 1/8 (0.116 mi.)	J52	33
LEE DEEN	5257 TRUMBULL AVE	WNW 0 - 1/8 (0.124 mi.)	J54	33

Lower Elevation	Address	Direction / Distance	Map ID	Page
LONG SAM	1108 W WARREN AVE	E 0 - 1/8 (0.007 mi.)	B2	8

EXECUTIVE SUMMARY

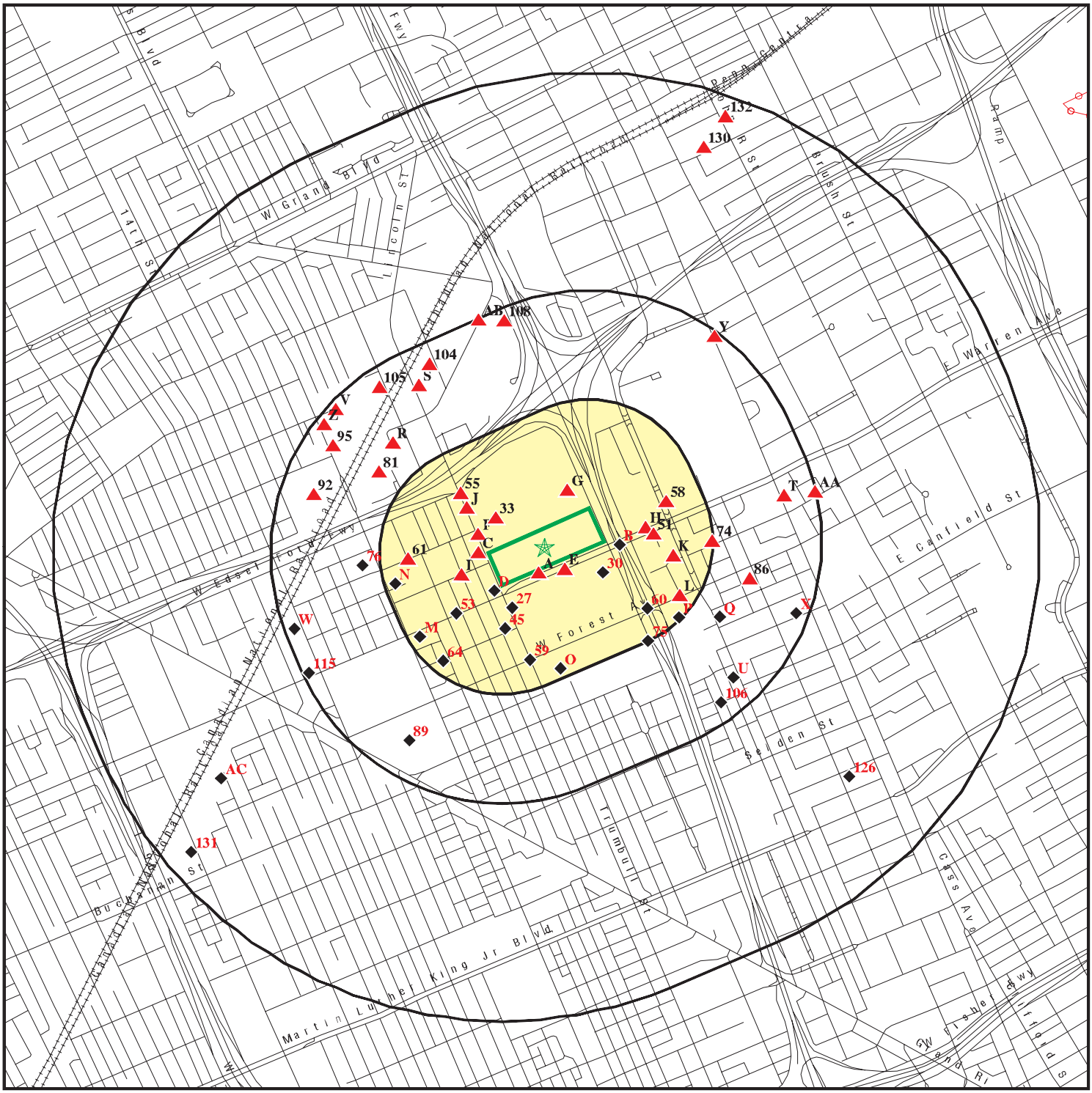
Lower Elevation	Address	Direction / Distance	Map ID	Page
ROSE RICHD	1404 W WARREN AVE	SW 0 - 1/8 (0.024 mi.)	D11	18
ROSEWOOD CLEANERS	1347 W WARREN AVE	S 0 - 1/8 (0.026 mi.)	A13	18
BEDFORD SECORD S	1430 W WARREN AVE	SW 0 - 1/8 (0.028 mi.)	D15	19
CANTOR JACOB	1229 W WARREN AVE	SE 0 - 1/8 (0.031 mi.)	E18	19
WARREN HAND LNDRY	1215 W WARREN AVE	SE 0 - 1/8 (0.032 mi.)	E20	20

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
ST. ANNE'S GATE PROPERTIES	MI PART 201, MI DEL PART 201
EUCLID STREET DETROIT WINDSHIELD S	SEMS
PALMER AND BRUSH STREET DRUMS	SEMS-ARCHIVE

OVERVIEW MAP - 5624389.2S



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

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

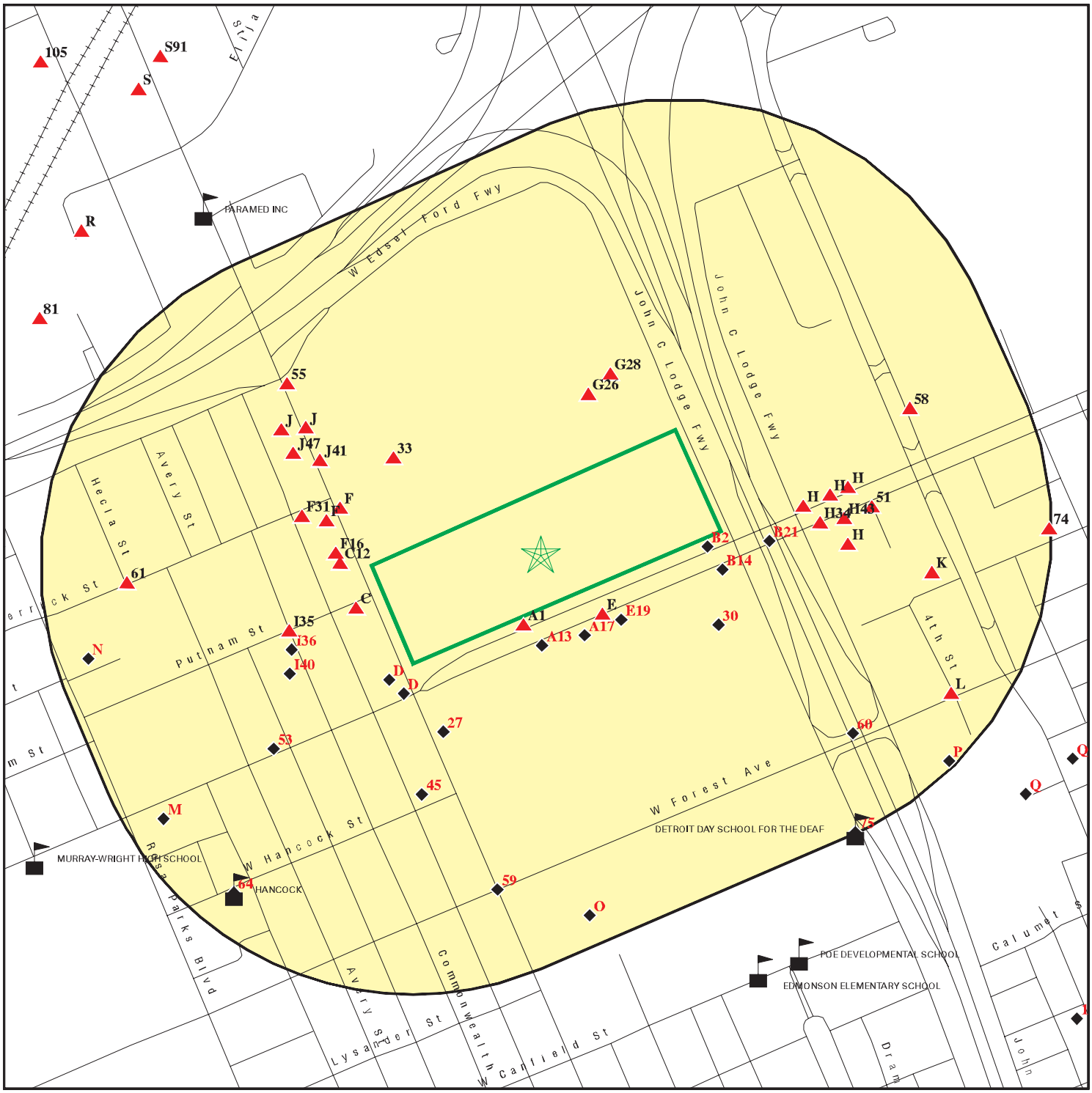
500-year flood zone

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:	WSU Parking Lot Property	CLIENT:	NTH Consultants Ltd.
ADDRESS:	W Warren Avenue Detroit MI 48202	CONTACT:	Andrew Kelly
		INQUIRY #:	5624389.2s
LAT/LONG:	42.35361 / 83.07685	DATE:	April 17, 2019 11:48 am

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DETAIL MAP - 5624389.2S



- 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
- 100-year flood zone
- 500-year flood zone

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:	WSU Parking Lot Property	CLIENT:	NTH Consultants Ltd.
ADDRESS:	W Warren Avenue Detroit MI 48202	CONTACT:	Andrew Kelly
		INQUIRY #:	5624389.2s
LAT/LONG:	42.35361 / 83.07685	DATE:	April 17, 2019 11:49 am

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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
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	1	NR	1
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		1	0	0	NR	NR	1
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		1	5	NR	NR	NR	6
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
MI SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
MI SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
MI LUST	0.500		2	2	10	NR	NR	14
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
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		2	2	NR	NR	NR	4
MI AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
MI AUL	0.500		0	0	0	NR	NR	0
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	2	2	NR	NR	4
Local Lists of Landfill / Solid Waste Disposal Sites								
MI SWRCY	0.500		0	0	0	NR	NR	0
MI HIST LF	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 PART 201	1.000		0	0	0	4	NR	4
MI INVENTORY	0.500		6	7	33	NR	NR	46
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
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		3	5	NR	NR	NR	8
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	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
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	1	NR	1
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	1	NR	1
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
ECHO	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
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		1	2	15	NR	NR	18
MI COAL ASH	0.500		0	0	0	NR	NR	0
MI DRYCLEANERS	0.250		0	0	NR	NR	NR	0
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	2	NR	NR	NR	2
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
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	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
EDR Hist Auto	0.125		18	NR	NR	NR	NR	18
EDR Hist Cleaner	0.125		22	NR	NR	NR	NR	22
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
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	56	27	60	8	0	151

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
SSW
< 1/8
0.005 mi.
29 ft.

BUNSON JOHN — **EDR Hist Cleaner** — **1009476635**
1320 W WARREN AVE — **N/A**
DETROIT, MI

Site 1 of 3 in cluster A

Relative:
Higher

EDR Hist Cleaner

Actual:
624 ft.

Year:	Name:	Type:
1931	BUNSON JOHN	LAUNDRIES-HAND
1935	BUNSON JOHN	LAUNDRIES-HAND
1940	BROOKLYN HAND LAUNDRY	LAUNDRIES-HAND
1956	WILLIAMS CLEANERS	CLEANERS AND DYERS

B2
East
< 1/8
0.007 mi.
35 ft.

LONG SAM — **EDR Hist Cleaner** — **1009475691**
1108 W WARREN AVE — **N/A**
DETROIT, MI

Site 1 of 3 in cluster B

Relative:
Lower

EDR Hist Cleaner

Actual:
620 ft.

Year:	Name:	Type:
1926	LONG SAML	LAUNDRIES
1931	LONG SAM	LAUNDRIES-CHINESE

C3
WSW
< 1/8
0.017 mi.
92 ft.

VOSLER C B — **EDR Hist Auto** — **1009492843**
5067 TRUMBULL AVE — **N/A**
DETROIT, MI

Site 1 of 3 in cluster C

Relative:
Higher

EDR Hist Auto

Actual:
624 ft.

Year:	Name:	Type:
1926	VOSLER C B	GASOLINE SERVICE STATIONS

D4
SW
< 1/8
0.021 mi.
113 ft.

SUN OIL CO — **MI BEA** — **S109094226**
5001 TRUMBULL ST — **MI WDS** — **N/A**
DETROIT, MI 48208

Site 1 of 7 in cluster D

Relative:
Lower

BEA:

Actual:
623 ft.

Secondary Address:	Not reported
BEA Number:	3861
District:	Southeast MI
Date Received:	04/09/2008
Submitter Name:	I.S. Real Estate, L.L.C.
Petition Determination:	No Request
Petition Disclosure:	0
Category:	Same Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	schlaufj
Division Assigned:	Storage Tank Division

SUN OIL CO (Continued) **S109094226**

WDS:
Site Id: MIG000060516
WMD Id: 423116
Site Specific Name: SUN OIL CO
Mailing Address: 5001 TRUMBULL ST
Mailing City/State/Zip: 48208
Mailing County: WAYNE

D5 TRUMBELL AVENUE FILL UP INC **MI LUST U003866349**
SW 5001 TRUMBULL ST **MI UST N/A**
< 1/8 DETROIT, MI 48208 **MI Financial Assurance**
0.021 mi.
113 ft. **Site 2 of 7 in cluster D**

Relative: Lower
Actual: 623 ft.

LUST:
Facility ID: 00002272
Source: STATE OF MICHIGAN
Owner Name: Trumbell Avenue Fill Up Inc (Leasee)
Owner Address: 5001 Trumbull Ave
Owner City,St,Zip: Detroit, MI 48208-1015
Owner Contact: Not reported
Owner Phone: (313) 833-6514
Country: USA
District: Southeast MI
Site Name: Shell Station
Latitude: 42.35214
Longitude: -83.07913
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-0382-89
Release Date: 03/22/1989
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 08/16/1999

UST:
Facility Type: ACTIVE
Facility ID: 00002272
Facility Region: 1
Owner Name: TRUMBELL AVENUE FILL UP INC (LEASEE)
Owner Address: 5001 TRUMBULL AVE
Owner City: DETROIT
Owner State: MI
Owner Zip: 48208-1015
Owner Contact: Not reported
Owner Phone: 3138336514
Contact: Alan Harajli
Contact Phone: (734) 942-8667
Date of Collection: 01/11/2001
Accuracy: 100
Horizontal Datum: NAD83
Accuracy Value Unit: FEET

TRUMBELL AVENUE FILL UP INC (Continued) **U003866349**

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:	9
Capacity:	10000
Tank Status:	Currently In Use
Substance:	Gasoline
Install Date:	03/24/1997
Remove Date:	Not reported
Tank Number:	UTK-071819-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Other
Piping Material:	Double Walled,Flexible Piping
Piping Type:	Pressure (Remote)
Tank Construction:	Description of Other Construction,Other
Impressed Device:	Not reported
Latitude:	42.35214
Longitude:	-83.07913

Facility Type:	ACTIVE
Facility ID:	00002272
Facility Region:	1
Owner Name:	TRUMBELL AVENUE FILL UP INC (LEASEE)
Owner Address:	5001 TRUMBULL AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48208-1015
Owner Contact:	Not reported
Owner Phone:	3138336514
Contact:	Alan Harajli
Contact Phone:	(734) 942-8667
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:	8
Capacity:	12000
Tank Status:	Currently In Use
Substance:	Gasoline
Install Date:	03/24/1997
Remove Date:	Not reported
Tank Number:	UTK-003840-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Other
Piping Material:	Double Walled,Flexible Piping
Piping Type:	Pressure (Remote)
Tank Construction:	Description of Other Construction,Other
Impressed Device:	Not reported

TRUMBELL AVENUE FILL UP INC (Continued) **U003866349**

Latitude:	42.35214
Longitude:	-83.07913
Facility Type:	ACTIVE
Facility ID:	00002272
Facility Region:	1
Owner Name:	TRUMBELL AVENUE FILL UP INC (LEASEE)
Owner Address:	5001 TRUMBULL AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48208-1015
Owner Contact:	Not reported
Owner Phone:	3138336514
Contact:	Alan Harajli
Contact Phone:	(734) 942-8667
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:	5
Capacity:	1000
Tank Status:	Removed from Ground
Substance:	Used Oil
Install Date:	04/21/1984
Remove Date:	04/08/1991
Tank Number:	UTK-027533-15
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:	Fiberglass Reinforced Plastic
Impressed Device:	Not reported
Latitude:	42.35214
Longitude:	-83.07913
Facility Type:	ACTIVE
Facility ID:	00002272
Facility Region:	1
Owner Name:	TRUMBELL AVENUE FILL UP INC (LEASEE)
Owner Address:	5001 TRUMBULL AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48208-1015
Owner Contact:	Not reported
Owner Phone:	3138336514
Contact:	Alan Harajli
Contact Phone:	(734) 942-8667
Date of Collection:	01/11/2001
Accuracy:	100
Horizontal Datum:	NAD83
Accuracy Value Unit:	FEET

TRUMBELL AVENUE FILL UP INC (Continued) **U003866349**

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:	10000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	04/21/1969
Remove Date:	05/28/1991
Tank Number:	UTK-070005-15
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:	42.35214
Longitude:	-83.07913

Facility Type:	ACTIVE
Facility ID:	00002272
Facility Region:	1
Owner Name:	TRUMBELL AVENUE FILL UP INC (LEASEE)
Owner Address:	5001 TRUMBULL AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48208-1015
Owner Contact:	Not reported
Owner Phone:	3138336514
Contact:	Alan Harajli
Contact Phone:	(734) 942-8667
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:	4000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	04/21/1962
Remove Date:	05/28/1991
Tank Number:	UTK-070002-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Groundwater Monitoring,Manual (Static) Tank Gauging,Tank Tightness Testing
Pipe Release Detection:	Automatic Line Leak Detectors,GroundWater Monitoring,Interstitial Monitoring Second Containment,I
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported

TRUMBELL AVENUE FILL UP INC (Continued) **U003866349**

Latitude:	42.35214
Longitude:	-83.07913
Facility Type:	ACTIVE
Facility ID:	00002272
Facility Region:	1
Owner Name:	TRUMBELL AVENUE FILL UP INC (LEASEE)
Owner Address:	5001 TRUMBULL AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48208-1015
Owner Contact:	Not reported
Owner Phone:	3138336514
Contact:	Alan Harajli
Contact Phone:	(734) 942-8667
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:	10
Capacity:	4000
Tank Status:	Currently In Use
Substance:	Diesel
Install Date:	03/24/1997
Remove Date:	Not reported
Tank Number:	UTK-086700-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Other
Piping Material:	Double Walled,Flexible Piping
Piping Type:	Pressure (Remote)
Tank Construction:	Description of Other Construction,Other
Impressed Device:	Not reported
Latitude:	42.35214
Longitude:	-83.07913
Facility Type:	ACTIVE
Facility ID:	00002272
Facility Region:	1
Owner Name:	TRUMBELL AVENUE FILL UP INC (LEASEE)
Owner Address:	5001 TRUMBULL AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48208-1015
Owner Contact:	Not reported
Owner Phone:	3138336514
Contact:	Alan Harajli
Contact Phone:	(734) 942-8667
Date of Collection:	01/11/2001
Accuracy:	100
Horizontal Datum:	NAD83
Accuracy Value Unit:	FEET

TRUMBELL AVENUE FILL UP INC (Continued) **U003866349**

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:	4000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	04/21/1962
Remove Date:	05/28/1991
Tank Number:	UTK-006955-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Groundwater Monitoring,Manual (Static) Tank Gauging,Tank Tightness Testing
Pipe Release Detection:	Automatic Line Leak Detectors,GroundWater Monitoring,Interstitial Monitoring Second Containment,I
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.35214
Longitude:	-83.07913

D6 **EQUILON ENTERPRISES LLC** **RCRA NonGen / NLR** **1000530085**
SW **5001 TRUMBULL ST AND WARREN** **FINDS** **MID985625763**
< 1/8 **DETROIT, MI 48208** **ECHO**
0.021 mi.
113 ft. **Site 3 of 7 in cluster D**

Relative:
Lower

Actual:
623 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/31/2001
Facility name:	EQUILON ENTERPRISES LLC
Facility address:	5001 TRUMBULL ST AND WARREN DETROIT, MI 48208
EPA ID:	MID985625763
Mailing address:	PO BOX 42648 HOUSTON, TX 77252
Contact:	SONDRA BIENVENU
Contact address:	5001 TRUMBULL ST AND WARREN DETROIT, MI 48208
Contact country:	US
Contact telephone:	713-241-5036
Contact email:	Not reported
EPA Region:	05
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator

EQUILON ENTERPRISES LLC (Continued) **1000530085**

Owner/Op start date: 01/01/2002
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
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: 01/01/2002
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
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

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

Historical Generators:
Date form received by agency: 09/04/2001
Site name: EQUILON ENTERPRISES LLC
Classification: Small Quantity Generator

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

EQUILON ENTERPRISES LLC (Continued) **1000530085**

Date form received by agency: 02/28/1992
Site name: SHELL SERVICE STATION
Classification: Large Quantity Generator

Date form received by agency: 10/25/1991
Site name: EQUILON ENTERPRISES LLC
Classification: Small Quantity Generator

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

Violation Status: No violations found

FINDS:

Registry ID: 110007579959

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: 1000530085
Registry ID: 110007579959
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110007579959

D7 **DANCER S EDDIF SHELL SERVICE** **EDR Hist Auto** **1009492760**
SW **5001 TRUMBULL AVE** **N/A**
< 1/8 **DETROIT, MI**
0.021 mi.
113 ft. **Site 4 of 7 in cluster D**

Relative: EDR Hist Auto
Lower

Actual: **623 ft.**

Year:	Name:	Type:
1965	DANCER S EDDIE SHELL SERVICE	GASOLINE STATIONS
1970	DANCER S EDDIF SHELL SERVICE	GASOLINE STATIONS
1983	ROKO SHELL SERVICE	Gasoline Service Stations
1985	ROKO SHELL SERVICE	Gasoline Service Stations
1986	ROKO SHELL SERVICE	Gasoline Service Stations
1987	ROKO SHELL SERVICE	Gasoline Service Stations
1988	ROKO SHELL SERVICE	Gasoline Service Stations
1989	ROKO SHELL SERVICE	Gasoline Service Stations
1990	WARREN TRUMBULL SHELL	Gasoline Service Stations

DANCER S EDDIF SHELL SERVICE (Continued) **1009492760**

1994	WARREN TRUMBULL SHELL	Gasoline Service Stations
1995	WARREN TRUMBULL SHELL	Gasoline Service Stations
1999	PALEV SAM	Gasoline Service Stations
2000	PALEV SAM	Gasoline Service Stations
2001	PALEV SAM	Gasoline Service Stations
2002	PALEV SAM	Gasoline Service Stations
2003	PALEV SAM	Gasoline Service Stations
2004	PALEV SAM	Gasoline Service Stations
2005	PALEV SAM	Gasoline Service Stations, NEC
2006	PALEV SAM	Gasoline Service Stations, NEC
2006	ELASHKARS GAS STATION	Gasoline Service Stations
2007	ELASHKARS GAS STATION	Gasoline Service Stations
2008	ELASHKARS GAS STATION	Gasoline Service Stations

D8 **SHELL STATION (FORMER)** **MI INVENTORY** **S114038568**
SW **5001 TRUMBULL** **N/A**
< 1/8 **WAYNE (County), MI 48208**
0.021 mi.
113 ft. **Site 5 of 7 in cluster D**

Relative: **Lower**

Actual: **623 ft.**

INVENTORY:

Bea Number:	200803861LV
Township:	Detroit
District:	Southeast MI
Data Source:	BEA
Latitude:	Not reported
Longitude:	Not reported

E9 **MANN ABR** **EDR Hist Cleaner** **1009476231**
SE **1229 WARREN AVE W** **N/A**
< 1/8 **DETROIT, MI**
0.022 mi.
115 ft. **Site 1 of 4 in cluster E**

Relative: **Higher**

EDR Hist Cleaner

Actual: **624 ft.**

Year:	Name:	Type:
1921	MANN ABR	LAUNDRIES

C10 **DOO ROBT** **EDR Hist Cleaner** **1009477340**
WSW **1513 PUTNAM AVE** **N/A**
< 1/8 **DETROIT, MI**
0.023 mi.
120 ft. **Site 2 of 3 in cluster C**

Relative: **Higher**

EDR Hist Cleaner

Actual: **624 ft.**

Year:	Name:	Type:
1935	DOO ROBT	LAUNDRIES-CHINESE
1940	DOO ROBT	LAUNDRIES-CHINESE

D11
SW
< 1/8
0.024 mi.
125 ft.

ROSE RICHD — **EDR Hist Cleaner** — **1009476945**
1404 W WARREN AVE — **N/A**
DETROIT, MI

Site 6 of 7 in cluster D

Relative: Lower
Actual: 622 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1926	ROSE RICHD	CLEANERS AND DYERS

C12
West
< 1/8
0.024 mi.
125 ft.

THERE GOES THE NEIGHBORHOOD, LLC — **MI INVENTORY** — **S117440501**
5127 TRUMBULL STREET — **N/A**
DETROIT, MI 48208

Site 3 of 3 in cluster C

Relative: Higher
Actual: 624 ft.

INVENTORY:

Bea Number:	201406270LV
Township:	Detroit
District:	Southeast MI
Data Source:	BEA
Latitude:	42.35352
Longitude:	-83.07978

Bea Number:	Not reported
Township:	Detroit
District:	Southeast MI
Data Source:	Part 201
Latitude:	42.35352
Longitude:	-83.07978

A13
South
< 1/8
0.026 mi.
136 ft.

ROSEWOOD CLEANERS — **EDR Hist Cleaner** — **1009476768**
1347 W WARREN AVE — **N/A**
DETROIT, MI

Site 2 of 3 in cluster A

Relative: Lower
Actual: 623 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1956	ROSEWOOD CLEANERS	CLEANERS AND DYERS

B14
East
< 1/8
0.027 mi.
143 ft.

FREEDOM PLACE APARTMENTS LIMITED — **MI INVENTORY** — **S114035120**
DIVIDEND HOUSING ASSOC., LTD. PRTNSHIP 1101 W. WARREN AVENUE — **N/A**
WAYNE (County), MI 48201

Site 2 of 3 in cluster B

Relative: Lower
Actual: 620 ft.

INVENTORY:

Bea Number:	200803908LV
Township:	Detroit
District:	Southeast MI
Data Source:	BEA
Latitude:	Not reported
Longitude:	Not reported

D15 **BEDFORD SECORD S** **EDR Hist Cleaner** **1009477066**
SW **1430 W WARREN AVE** **N/A**
< 1/8 **DETROIT, MI**
0.028 mi.
148 ft. **Site 7 of 7 in cluster D**

Relative: EDR Hist Cleaner
Lower

Actual:
622 ft.

Year:	Name:	Type:
1926	BEDFORD SECOND S	CLEANERS AND DYERS
1931	BEDFORD SECORD S	CLOTHES PRESSERS AND CLEANERS
1935	BEDFORD SECORD S	CLOTHES PRESSERS AND CLEANERS
1940	EMPIRE TAILORS	CLOTHES PRESSERS AND CLEANERS
1956	BEDFORD S CLEANERS	CLEANERS AND DYERS

F16 **THERE GOES THE NEIGHBORHOOD, LLC** **MI INVENTORY** **S116386146**
West **5137 TRUMBULL** **N/A**
< 1/8 **WAYNE (County), MI 48208**
0.029 mi.
152 ft. **Site 1 of 6 in cluster F**

Relative: INVENTORY:
Higher

Bea Number:	201405945LV
Township:	Detroit
District:	Southeast MI
Data Source:	BEA
Latitude:	Not reported
Longitude:	Not reported

Actual:
624 ft.

A17 **LANGER AND COHEN BR** **EDR Hist Auto** **1009486441**
SSE **1309 W WARREN AVE** **N/A**
< 1/8 **DETROIT, MI**
0.031 mi.
166 ft. **Site 3 of 3 in cluster A**

Relative: EDR Hist Auto
Lower

Actual:
623 ft.

Year:	Name:	Type:
1935	LANGER AND COHEN	GASOLINE AND OIL SERVICE STATIONS
1940	LANGER AND COHEN BR	GASOLINE AND OIL SERVICE STATIONS
1956	DAVE AND WILT S STANDARD SERVIC	GASOLINE STATIONS
1965	WARREN-BROOKLYN STANDARD SERVIC	GASOLINE STATIONS

E18 **CANTOR JACOB** **EDR Hist Cleaner** **1009476230**
SE **1229 W WARREN AVE** **N/A**
< 1/8 **DETROIT, MI**
0.031 mi.
166 ft. **Site 2 of 4 in cluster E**

Relative: EDR Hist Cleaner
Lower

Actual:
623 ft.

Year:	Name:	Type:
1926	CANTOR JACOB	LAUNDRIES
1931	WARREN HAND LAUNDRY	LAUNDRIES-HAND

E19 **NELSON ARTH C REAR** **EDR Hist Auto** **1009485775**
SE **1181 W WARREN AVE** **N/A**
< 1/8 **DETROIT, MI**
0.032 mi.
167 ft. **Site 3 of 4 in cluster E**

Relative: EDR Hist Auto
Lower

Actual:
623 ft.

Year:	Name:	Type:
1935	YELLOW GARAGE	AUTOMOBILE GARAGES
1940	NELSON ARTH C REAR	AUTOMOBILE REPAIRING
1965	CENTRAL TOWING SERVICE REAR	AUTOMOBILE REPAIRING

E20 **WARREN HAND LNDRY** **EDR Hist Cleaner** **1009476160**
SE **1215 W WARREN AVE** **N/A**
< 1/8 **DETROIT, MI**
0.032 mi.
167 ft. **Site 4 of 4 in cluster E**

Relative: EDR Hist Cleaner
Lower

Actual:
623 ft.

Year:	Name:	Type:
1935	WARREN HAND LNDRY	LAUNDRIES-HAND
1940	MOLLY S HAND LAUNDRY	LAUNDRIES-HAND

B21 **MI DEPT/TRANSPORTATION** **RCRA NonGen / NLR** **1001077994**
East **M 10 UNDER WARREN AVE** **MIR000009621**
< 1/8 **DETROIT, MI 48210**
0.038 mi.
198 ft. **Site 3 of 3 in cluster B**

Relative: RCRA NonGen / NLR:
Lower

Actual:
620 ft.

Date form received by agency:	11/06/1995
Facility name:	MI DEPT/TRANSPORTATION
Facility address:	M 10 UNDER WARREN AVE DETROIT, MI 48210
EPA ID:	MIR000009621
Mailing address:	PO BOX 30050 LANSING, MI 48909
Contact:	PHIL GROTENHUIS
Contact address:	M 10 UNDER WARREN AVE DETROIT, MI 48210
Contact country:	US
Contact telephone:	517-335-6778
Contact email:	Not reported
EPA Region:	05
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MICH DEPT OF TRANSPORTATION
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

MI DEPT/TRANSPORTATION (Continued) **1001077994**

Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: MICH DEPT OF TRANSPORTATION
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: State
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

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

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

Violation Status: No violations found

F22 **MONTNEY VICTOR O REAR** **EDR Hist Auto** **1009492910**
West **5136 TRUMBULL AVE** **N/A**
< 1/8 **DETROIT, MI**
0.042 mi.
224 ft. **Site 2 of 6 in cluster F**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
625 ft. 1931 VIC S GARAGE REAR AUTOMOBILE REPAIRING
1935 MONTNEY VICTOR O REAR AUTOMOBILE REPAIRING

F23 **PECHERER JACOB** **EDR Hist Cleaner** **1009481339**
West **5163 TRUMBULL AVE** **N/A**
< 1/8 **DETROIT, MI**
0.048 mi.
253 ft. **Site 3 of 6 in cluster F**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
625 ft. 1926 PECHERER JAKE LAUNDRIES
1931 PECHERER JACOB LAUNDRIES-HAND
1935 PECHERER JACOB LAUNDRIES-HAND
1965 TATUM S KIRBY CLEANERS CLEANERS AND DYERS
1970 TATUM S KIRBY CLEANERS CLEANERS AND DYERS

F24 **TENNER BENJ** **EDR Hist Cleaner** **1009481340**
West **5165 TRUMBULL AVE** **N/A**
< 1/8 **DETROIT, MI**
0.048 mi.
256 ft. **Site 4 of 6 in cluster F**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
625 ft. 1921 TENNER BENJ LAUNDRIES

F25 **HUGHEY S SERVICE** **EDR Hist Auto** **1009492936**
WNW **5170 TRUMBULL AVE** **N/A**
< 1/8 **DETROIT, MI**
0.050 mi.
265 ft. **Site 5 of 6 in cluster F**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
625 ft. 1956 HUGHEY S SERVICE GASOLINE STATIONS

G26 **REED AUTO ELECTRIC SERVICE REAR** **EDR Hist Auto** **1009496588**
NNE **985 REED PL** **N/A**
< 1/8 **DETROIT, MI**
0.052 mi.
272 ft. **Site 1 of 2 in cluster G**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
628 ft. 1931 REED AUTO ELECTRIC SERVICE REAR AUTOMOBILE REPAIRING

27
SSW
< 1/8
0.056 mi.
297 ft.

ARCHDIOCESE OF DETROIT
4844 TRUMBULL ST
DETROIT, MI 48208

RCRA-CESQG | **1010321427** | **MIK994712388**

Relative:
Lower

Actual:
622 ft.

RCRA-CESQG:

Date form received by agency:	06/22/2006
Facility name:	ARCHDIOCESE OF DETROIT
Facility address:	4844 TRUMBULL ST DETROIT, MI 48208
EPA ID:	MIK994712388
Mailing address:	1234 WASHINGTON BLVD DETROIT, MI 48226
Contact:	FRANK MACDONELL
Contact address:	4844 TRUMBULL ST DETROIT, MI 48208
Contact country:	US
Contact telephone:	313-237-5829
Contact email:	Not reported
EPA Region:	05
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	ARCHDIOCESE OF DETROIT
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:	01/01/1901
Owner/Op end date:	Not reported

Owner/operator name:	ARCHDIOCESE OF DETROIT
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

ARCHDIOCESE OF DETROIT (Continued) **1010321427**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1901
Owner/Op end date: Not reported

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

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

Violation Status: No violations found

G28 **SERVICE ELECTRIC CO** **EDR Hist Auto** **1009496447**
NNE **950 REED PL** **N/A**
< 1/8 **DETROIT, MI**
0.059 mi.
311 ft. **Site 2 of 2 in cluster G**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
628 ft. 1926 SERVICE ELECTRIC CO AUTOMOBILE REPAIRING

H29 **HAYES HOMER M** **EDR Hist Cleaner** **1009483949**
East **938 W WARREN AVE** **N/A**
< 1/8 **DETROIT, MI**
0.062 mi.
329 ft. **Site 1 of 11 in cluster H**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
624 ft. 1935 HAYES HOMER M CLOTHES PRESSERS AND CLEANERS

30
ESE
< 1/8
0.064 mi.
339 ft.

FREEDOM PLACE APARTMENTS
1101 W. WARREN
DETROIT, MI 48201

MI INVENTORY **S114031618**
N/A

Relative:
Lower

Actual:
621 ft.

INVENTORY:

Bea Number:	Not reported
Township:	Detroit
District:	Southeast MI
Data Source:	Part 201
Latitude:	42.35284
Longitude:	-83.07575

F31
West
< 1/8
0.065 mi.
342 ft.

ANDERSON CHRISTIAN
1513 MERRICK AVE
DETROIT, MI

Site 6 of 6 in cluster F

EDR Hist Auto **1009487446**
N/A

Relative:
Higher

Actual:
624 ft.

EDR Hist Auto

Year:	Name:	Type:
1931	ANDERSON CHRISTIAN	GASOLINE AND OIL SERVICE STATIONS

H32
East
< 1/8
0.065 mi.
343 ft.

WAYNE STATE UNIVERSITY
906 W WARREN AVE
DETROIT, MI 48201

Site 2 of 11 in cluster H

RCRA NonGen / NLR **1007096629**
MIK231288549

Relative:
Higher

Actual:
624 ft.

RCRA NonGen / NLR:

Date form received by agency:	05/12/2002
Facility name:	WAYNE STATE UNIVERSITY
Facility address:	906 W WARREN AVE DETROIT, MI 48201
EPA ID:	MIK231288549
Mailing address:	5425 WOODWARD AVE DETROIT, MI 48202
Contact:	LANCE FRANKLIN
Contact address:	906 W WARREN AVE DETROIT, MI 48201
Contact country:	US
Contact telephone:	313-577-1200
Contact email:	Not reported
EPA Region:	05
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	WAYNE STATE BOARD OF GOVERNORS
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

WAYNE STATE UNIVERSITY (Continued) **1007096629**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1868
Owner/Op end date: Not reported

Owner/operator name: WAYNE STATE BOARD OF GOVERNORS
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: 01/01/1868
Owner/Op end date: Not reported

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

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

Violation Status: No violations found

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33 **DAHLSTROM CARL A REAR** **EDR Hist Auto** **1009486588**
WNW **1326 MERRICK AVE** **N/A**
< 1/8 **DETROIT, MI**
0.068 mi.
359 ft.

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
626 ft. 1940 DAHLSTROM CARL A REAR AUTOMOBILE REPAIRING

H34 **WARREN GARAGE** **EDR Hist Auto** **1009496307**
East **929 WARREN AVE W** **N/A**
< 1/8 **DETROIT, MI**
0.075 mi.
397 ft. **Site 3 of 11 in cluster H**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
624 ft. 1921 WARREN GARAGE AUTOMOBILE GARAGES

I35 **COMMONWEALTH & PUTNAM** **MI INVENTORY** **S119009468**
WSW **COMMONWEALTH & PUTNAM** **N/A**
< 1/8 **DETROIT, MI**
0.076 mi.
402 ft. **Site 1 of 3 in cluster I**

Relative: INVENTORY:
Higher
Bea Number: Not reported
Actual: Township: Detroit
624 ft. District: Southeast MI
Data Source: Part 201
Latitude: 42.35293
Longitude: -83.08046

I36 **PUTNAM AVENUE MERCURY** **SEMS** **1014914967**
WSW **1603 PUTNAM STREET** **MIN000510554**
< 1/8 **DETROIT, MI 48208**
0.080 mi.
422 ft. **Site 2 of 3 in cluster I**

Relative: SEMS:
Lower
Site ID: 0510554
Actual: EPA ID: MIN000510554
623 ft. Cong District: 13
FIPS Code: 26163
Latitude: +42.352582
Longitude: -083.080716
FF: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Detail:
Region: 05
Site ID: 0510554
EPA ID: MIN000510554
Site Name: PUTNAM AVENUE MERCURY
NPL: N
FF: N
OU: 00
Action Code: RV
Action Name: RMVL
SEQ: 1
Start Date: 2010-12-16 05:00:00
Finish Date: 12/20/2010
Qual: C
Current Action Lead: EPA Perf

H37 **PHILLIPS FRANK L AND SON** **EDR Hist Auto** **1009495456**
ENE **828 W WARREN AVE** **N/A**
< 1/8 **DETROIT, MI**
0.083 mi.
440 ft. **Site 4 of 11 in cluster H**

Relative: EDR Hist Auto
Higher

Actual:
625 ft.

Year:	Name:	Type:
1931	PHILLIPS FRANK L AND SON	GASOLINE AND OIL SERVICE STATIONS
1940	RUTLEDGE WM J	GASOLINE AND OIL SERVICE STATIONS
1956	H AND B GULF SERVICE	GASOLINE STATIONS

H38 **M AND M ELECTRICAL SERVICE** **EDR Hist Auto** **1009496362**
East **935 W WARREN AVE** **N/A**
< 1/8 **DETROIT, MI**
0.087 mi.
457 ft. **Site 5 of 11 in cluster H**

Relative: EDR Hist Auto
Higher

Actual:
624 ft.

Year:	Name:	Type:
1931	M AND M ELECTRICAL SERVICE	AUTOMOBILE REPAIRING

H39 **GREENBERG WM** **EDR Hist Cleaner** **1009483187**
ENE **824 W WARREN AVE** **N/A**
< 1/8 **DETROIT, MI**
0.087 mi.
459 ft. **Site 6 of 11 in cluster H**

Relative: EDR Hist Cleaner
Higher

Actual:
625 ft.

Year:	Name:	Type:
1926	GREEN WM	LAUNDRIES
1931	GREENBERG WM	LAUNDRIES-HAND
1935	GREENBERG WM	LAUNDRIES-HAND
1940	GREENBERG WM	LAUNDRIES-HAND
1956	WARREN THIRD HAND LAUNDRY	LAUNDRIES

I40 **POTTER JAS W** **EDR Hist Auto** **1009492822**
WSW **5045 COMMONWEALTH AVE** **N/A**
< 1/8 **DETROIT, MI**
0.088 mi.
466 ft. **Site 3 of 3 in cluster I**

Relative: EDR Hist Auto
Lower

Actual:
623 ft.

Year:	Name:	Type:
1926	POTTER JAS W	AUTOMOBILE GARAGES
1931	POTTER JAS W	AUTOMOBILE REPAIRING
1935	POTTER JAS W	AUTOMOBILE REPAIRING

J41 **TRUMBULL GARMENT CLEANING CO** **EDR Hist Cleaner** **1009481361**
WNW **5206 TRUMBULL AVE** **N/A**
< 1/8 **DETROIT, MI**
0.089 mi.
470 ft. **Site 1 of 6 in cluster J**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
625 ft. 1921 PLAIN SAML CLEANERS AND DYERS
1926 TRUMBULL GARMENT CLEANING CO CLEANERS AND DYERS
1931 TRUMBULL GARMENT CLEANING CO CLOTHES PRESSERS AND CLEANERS
1935 TRUMBULL GARMENT CLEANING CO CLOTHES PRESSERS AND CLEANERS

H42 **MARGOLIN HIGMAN** **EDR Hist Cleaner** **1009483188**
East **824 WARREN AVE W** **N/A**
< 1/8 **DETROIT, MI**
0.089 mi.
470 ft. **Site 7 of 11 in cluster H**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
625 ft. 1921 MARGOLIN HIGMAN LAUNDRIES

H43 **HARTMAN MILTON** **EDR Hist Cleaner** **1009483829**
East **915 W WARREN AVE** **N/A**
< 1/8 **DETROIT, MI**
0.094 mi.
494 ft. **Site 8 of 11 in cluster H**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
624 ft. 1926 HARTMAN MILTON LAUNDRIES

H44 **WARREN GARAGE** **EDR Hist Auto** **1009496306**
East **929 W WARREN AVE** **N/A**
< 1/8 **DETROIT, MI**
0.096 mi.
509 ft. **Site 9 of 11 in cluster H**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
624 ft. 1926 WARREN GARAGE AUTOMOBILE GARAGES

45
SSW
< 1/8
0.099 mi.
523 ft.

FOREST PK REHAB PROJECT PARCEL 7
1530 W HANCOCK ST
DETROIT, MI 48208

MI LUST **U003326233**
MI UST **N/A**

Relative:
Lower

Actual:
621 ft.

LUST:

Facility ID:	00037778
Source:	STATE OF MICHIGAN
Owner Name:	City of Detroit
Owner Address:	150 W Michigan Ave 7Tth Floor
Owner City,St,Zip:	Detroit, MI 48226-2619
Owner Contact:	Ramesh Patel
Owner Phone:	(313) 224-0154
Country:	USA
District:	Southeast MI
Site Name:	Detroit Forest Park Rehab Proj.
Latitude:	42.35098
Longitude:	-83.07880
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-1363-93
Release Date:	10/25/1993
Substance Released:	Diesel
Release Status:	Closed
Release Closed Date:	01/11/2000

UST:

Facility Type:	CLOSED
Facility ID:	00037778
Facility Region:	1
Owner Name:	CITY OF DETROIT
Owner Address:	150 W MICHIGAN AVE 7TTH FLOOR
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48226-2619
Owner Contact:	Not reported
Owner Phone:	3132240154
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:	2
Capacity:	500
Tank Status:	Removed from Ground
Substance:	Heating Oil
Install Date:	Not reported

FOREST PK REHAB PROJECT PARCEL 7 (Continued) **U003326233**

Remove Date:	12/01/1994
Tank Number:	UTK-018075-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Unknown
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Facility Type:	CLOSED
Facility ID:	00037778
Facility Region:	1
Owner Name:	CITY OF DETROIT
Owner Address:	150 W MICHIGAN AVE 7TTH FLOOR
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48226-2619
Owner Contact:	Not reported
Owner Phone:	3132240154
Contact:	RAMESH S PATEL
Contact Phone:	(313) 224-0154
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:	2000
Tank Status:	Removed from Ground
Substance:	Diesel
Install Date:	Not reported
Remove Date:	12/15/1993
Tank Number:	UTK-104964-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Unknown
Impressed Device:	Not reported
Latitude:	42.35098
Longitude:	-83.07880

H46 **PERRY AND STICKLER** **EDR Hist Cleaner** **1009483058**
ENE **808 W WARREN AVE** **N/A**
< 1/8 **DETROIT, MI**
0.102 mi.
536 ft. **Site 10 of 11 in cluster H**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
625 ft. 1940 PERRY AND STICKLER CLOTHES PRESSERS AND CLEANERS

J47 **MCISAAC JOHN A REAR** **EDR Hist Auto** **1009493002**
WNW **5239 TRUMBULL AVE** **N/A**
< 1/8 **DETROIT, MI**
0.104 mi.
549 ft. **Site 2 of 6 in cluster J**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
624 ft. 1940 MCISAAC JOHN A REAR AUTOMOBILE REPAIRING

H48 **WORONOFF HARRY** **EDR Hist Cleaner** **1009483059**
ENE **808 WARREN AVE W** **N/A**
< 1/8 **DETROIT, MI**
0.104 mi.
550 ft. **Site 11 of 11 in cluster H**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
625 ft. 1921 WORONOFF HARRY CLEANERS AND DYERS

J49 **TRUMBULL HAND LAUNDRY** **EDR Hist Cleaner** **1009481399**
WNW **5248 TRUMBULL AVE** **N/A**
< 1/8 **DETROIT, MI**
0.115 mi.
606 ft. **Site 3 of 6 in cluster J**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
625 ft. 1940 TRUMBULL HAND LAUNDRY LAUNDRIES-HAND
1956 TRUMBULL I LAND LAUNDRY AND CLE LAUNDRIES

J50 **APES CLEANING CO** **EDR Hist Cleaner** **1009481402**
WNW **5251 TRUMBULL AVE** **N/A**
< 1/8 **DETROIT, MI**
0.115 mi.
609 ft. **Site 4 of 6 in cluster J**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
625 ft. 1940 LAZOWSKY BENJ LAUNDRIES-HAND

APES CLEANING CO (Continued) **1009481402**

1956	APES CLEANING CO	CLEANERS AND DYERS
1969	APEX CLEANING CO	Drycleaning Plants, Except Rugs
1970	APEX CLEANING CO	Drycleaning Plants, Except Rugs
1971	APEX CLEANING CO	Drycleaning Plants, Except Rugs

51
East
< 1/8
0.116 mi.
610 ft.

B AND J STANDARD SERVICE **EDR Hist Auto** **1009496085**
901 W WARREN AVE **N/A**
DETROIT, MI

Relative:
Higher

EDR Hist Auto

Actual:
624 ft.

Year:	Name:	Type:
1940	WARD EARL K	GASOLINE AND OIL SERVICE STATIONS
1956	B AND J STANDARD SERVICE	GASOLINE STATIONS
1965	WARREN STANDARD SERVICE	GASOLINE STATIONS

J52
WNW
< 1/8
0.116 mi.
612 ft.

KEE SING **EDR Hist Cleaner** **1009481401**
5250 TRUMBULL AVE **N/A**
DETROIT, MI

Site 5 of 6 in cluster J

Relative:
Higher

EDR Hist Cleaner

Actual:
625 ft.

Year:	Name:	Type:
1926	KEE SING	LAUNDRIES

53
SW
< 1/8
0.123 mi.
650 ft.

LANGER AND COHEN BR **EDR Hist Auto** **1009487963**
1650 W WARREN AVE **N/A**
DETROIT, MI

Relative:
Lower

EDR Hist Auto

Actual:
621 ft.

Year:	Name:	Type:
1931	WARREN-AVERY FILLING STATION	GASOLINE AND OIL SERVICE STATIONS
1935	LANGER AND COHEN	GASOLINE AND OIL SERVICE STATIONS
1940	LANGER AND COHEN BR	GASOLINE AND OIL SERVICE STATIONS
1956	FRITZ S SERVICE STATION	GASOLINE STATIONS

J54
WNW
< 1/8
0.124 mi.
653 ft.

LEE DEEN **EDR Hist Cleaner** **1009481405**
5257 TRUMBULL AVE **N/A**
DETROIT, MI

Site 6 of 6 in cluster J

Relative:
Higher

EDR Hist Cleaner

Actual:
625 ft.

Year:	Name:	Type:
1931	LEE DEEN	LAUNDRIES-CHINESE

55
NW
1/8-1/4
0.152 mi.
803 ft.

MI DEPT/TRANSPORTATION
I 75 UNDER MILWAUKEE AVE
DETROIT, MI 48216

RCRA NonGen / NLR

1001196731
MIR000024091

Relative:
Higher

Actual:
625 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/04/2001
Facility name:	MI DEPT/TRANSPORTATION
Facility address:	I 75 UNDER MILWAUKEE AVE DETROIT, MI 48216
EPA ID:	MIR000024091
Mailing address:	723 ROSA PARKS BLVD DETROIT, MI 48216
Contact:	JOSEPH PACELLA
Contact address:	I 75 UNDER MILWAUKEE AVE DETROIT, MI 48216
Contact country:	US
Contact telephone:	313-965-6350
Contact email:	Not reported
EPA Region:	05
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MICH DEPT OF TRANSPORTATION
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:	State
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1901
Owner/Op end date:	Not reported

Owner/operator name:	MICH DEPT OF TRANSPORTATION
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:	State
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1901
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

MI DEPT/TRANSPORTATION (Continued) **1001196731**

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

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

Historical Generators:

Date form received by agency:	05/28/1997
Site name:	MI DEPT/TRANSPORTATION
Classification:	Small Quantity Generator

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

Violation Status: No violations found

K56 **WAYNE STATE UNIVERSITY** **RCRA-CESQG** **1004725382**
East **818 W HANCOCK ST** **FINDS** **MIR000042531**
1/8-1/4 **DETROIT, MI 48201** **ECHO**
0.162 mi. **WI MANIFEST**
857 ft. **Site 1 of 2 in cluster K**

Relative:
Higher

Actual:
624 ft.

RCRA-CESQG:

Date form received by agency:	10/12/1999
Facility name:	WAYNE STATE UNIVERSITY
Facility address:	818 W HANCOCK ST DETROIT, MI 48201
EPA ID:	MIR000042531
Mailing address:	5425 WOODWARD AVE DETROIT, MI 48202
Contact:	LANCE FRANKLIN
Contact address:	818 W HANCOCK ST DETROIT, MI 48201
Contact country:	US
Contact telephone:	313-577-1200
Contact email:	Not reported
EPA Region:	05
Land type:	State
Classification:	Conditionally Exempt Small Quantity Generator

WAYNE STATE UNIVERSITY (Continued) **1004725382**

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	WAYNE STATE BOARD OF GOVERNORS
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:	State
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1970
Owner/Op end date:	Not reported

Owner/operator name:	WAYNE STATE BOARD OF GOVERNORS
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:	State
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1970
Owner/Op end date:	Not reported

Handler Activities Summary:

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

WAYNE STATE UNIVERSITY (Continued) **1004725382**

Used oil transfer facility: No
Used oil transporter: No

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

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 01/24/2007
Date achieved compliance: 03/05/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/06/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 01/24/2007
Date achieved compliance: 05/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/06/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/24/2007
Date achieved compliance: 03/05/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/06/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting

WAYNE STATE UNIVERSITY (Continued) **1004725382**

Date violation determined: 01/24/2007
Date achieved compliance: 05/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/27/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 01/24/2007
Date achieved compliance: 03/05/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/06/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 01/24/2007
Date achieved compliance: 05/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/06/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 01/24/2007
Date achieved compliance: 05/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/27/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/24/2007

WAYNE STATE UNIVERSITY (Continued) **1004725382**

Date achieved compliance: 05/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/06/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 01/24/2007
Date achieved compliance: 03/05/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/06/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/24/2007
Date achieved compliance: 05/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/27/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/27/2007
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: State Statute or Regulation
Date achieved compliance: 05/23/2007
Evaluation lead agency: State

Evaluation date: 04/27/2007
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 05/23/2007
Evaluation lead agency: State

Evaluation date: 04/27/2007
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 05/23/2007
Evaluation lead agency: State

WAYNE STATE UNIVERSITY (Continued) **1004725382**

Evaluation date: 01/24/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 05/23/2007
Evaluation lead agency: State

Evaluation date: 01/24/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 03/05/2007
Evaluation lead agency: State

Evaluation date: 01/24/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/23/2007
Evaluation lead agency: State

Evaluation date: 01/24/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 05/23/2007
Evaluation lead agency: State

Evaluation date: 01/24/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/05/2007
Evaluation lead agency: State

Evaluation date: 01/24/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 03/05/2007
Evaluation lead agency: State

Evaluation date: 01/24/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/05/2007
Evaluation lead agency: State

FINDS:

Registry ID: 110009395715

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.

Registry ID: 110003582506

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

WAYNE STATE UNIVERSITY (Continued) **1004725382**

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:	1004725382
Registry ID:	110009395715
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009395715

Envid:	1004725382
Registry ID:	110003582506
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110003582506

WI MANIFEST:

Year:	2016
EPA ID:	MIR000042531
FID:	Not reported
ACT Code:	203
ACT Status:	A
ACT Code 1:	203
ACT Name:	HW Generator - Very Small
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

Shipped:

Year:	2016
Manifest Doc Id:	001101978VES
Copy Type:	TSDCOPY
Gen EPA ID:	MIR000042531
Gen Date:	12/06/2016
GEN Copy Revd Date:	Not reported
TSD Date:	12/09/2016
TSD EPA ID:	WID003967148
TSD Copy Revd Date:	01/11/2017

Year:	2016
Manifest Doc Id:	001105907VES
Copy Type:	TSDCOPY
Gen EPA ID:	MIR000042531
Gen Date:	10/03/2016
GEN Copy Revd Date:	Not reported
TSD Date:	10/07/2016
TSD EPA ID:	WID003967148
TSD Copy Revd Date:	11/15/2016

WAYNE STATE UNIVERSITY (Continued) **1004725382**

Year: 2015
EPA ID: MIR000042531
FID: Not reported
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
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

Shipped:
Year: 2015
Manifest Doc Id: 000960947VES
Copy Type: TSDCOPY
Gen EPA ID: MIR000042531
Gen Date: 08/10/2015
GEN Copy Revd Date: Not reported
TSD Date: 08/12/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 09/15/2015

Year: 2012
EPA ID: MIR000042531
FID: Not reported
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
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

Shipped:
Year: 2012
Manifest Doc Id: 000656785VES
Copy Type: TSDCOPY
Gen EPA ID: MIR000042531
Gen Date: 11/13/2012
GEN Copy Revd Date: Not reported
TSD Date: 11/19/2012
TSD EPA ID: WID003967148
TSD Copy Revd Date: 12/17/2012

Year: 2012
Manifest Doc Id: 000523375VES
Copy Type: TSDCOPY
Gen EPA ID: MIR000042531
Gen Date: 04/13/2012

WAYNE STATE UNIVERSITY (Continued) **1004725382**

GEN Copy Revd Date: Not reported
TSD Date: 04/13/2012
TSD EPA ID: WID003967148
TSD Copy Revd Date: 05/11/2012

Year: 2011
EPA ID: MIR000042531
FID: Not reported
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
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

Shipped:
Year: 2011
Manifest Doc Id: 000395207VES
Copy Type: TSDCOPY
Gen EPA ID: MIR000042531
Gen Date: 06/02/2011
GEN Copy Revd Date: Not reported
TSD Date: Not reported
TSD EPA ID: WID003967148
TSD Copy Revd Date: 06/23/2011

Year: 2007
EPA ID: MIR000042531
FID: 0
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
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

Year: 2005
EPA ID: MIR000042531
FID: 0
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported

WAYNE STATE UNIVERSITY (Continued) **1004725382**

Contact City/State/Zip: 0
Contact Telephone: 0
Contact EMail Address: Not reported

K57 **KING-SMITH CO** **RCRA NonGen / NLR** **1000232357**
East **818 W HANCOCK ST** **MID005506159**
1/8-1/4 **DETROIT, MI 48201**
0.162 mi.
857 ft. **Site 2 of 2 in cluster K**

Relative:
Higher

Actual:
624 ft.

RCRA NonGen / NLR:
Date form received by agency: 12/31/2001
Facility name: KING-SMITH CO
Facility address: 818 W HANCOCK ST
DETROIT, MI 48201
EPA ID: MID005506159
Contact: THOMAS KENNEDY
Contact address: 818 W HANCOCK ST
DETROIT, MI 48201
Contact country: US
Contact telephone: 313-831-3500
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
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: 01/02/1979
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
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: 01/02/1979
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

KING-SMITH CO (Continued) **1000232357**

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

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

Historical Generators:
Date form received by agency: 01/27/1983
Site name: KING-SMITH CO
Classification: Small Quantity Generator

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

Violation Status: No violations found

58
ENE
1/8-1/4
0.168 mi.
889 ft.

WAYNE STATE UNIVERSITY **RCRA NonGen / NLR** **1004725376**
5050 ANTHONY WAYNE DR **FINDS** **MIR000042473**
DETROIT, MI 48202 **ECHO**

Relative:
Higher

Actual:
625 ft.

RCRA NonGen / NLR:
Date form received by agency: 05/05/2015
Facility name: WAYNE STATE UNIVERSITY
Facility address: 5050 ANTHONY WAYNE DR
DETROIT, MI 48202
EPA ID: MIR000042473
Mailing address: OFFICE OF ENVIRONMENTAL HEALTH
5425 WOODWARD AVE SUITE 300
DETROIT, MI 48202
Contact: RICHARD HARRISON
Contact address: Not reported
Not reported
Contact country: Not reported

WAYNE STATE UNIVERSITY (Continued) **1004725376**

Contact telephone: 313-577-1200
Contact email: AK5143@WAYNE.EDU
EPA Region: 05
Land type: State
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: WAYNE STATE BOARD OF GOVERNORS
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: State
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1901
Owner/Op end date: Not reported

Owner/operator name: WAYNE STATE BOARD OF GOVERNORS
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: State
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1901
Owner/Op end date: Not reported

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

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

WAYNE STATE UNIVERSITY (Continued) **1004725376**

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Historical Generators:
Date form received by agency: 07/09/2003
Site name: WAYNE STATE UNIVERSITY
Classification: Conditionally Exempt Small Quantity Generator

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

Date form received by agency: 12/09/2002
Site name: WAYNE STATE UNIVERSITY
Classification: Not a generator, verified

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

Date form received by agency: 03/01/2002
Site name: WAYNE STATE UNIVERSITY COLLEGE OF ENGINE
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/27/2002
Site name: WAYNE STATE UNIVERSITY
Classification: Large Quantity Generator

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

Date form received by agency: 10/11/2000
Site name: WAYNE STATE UNIVERSITY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

WAYNE STATE UNIVERSITY (Continued) **1004725376**

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Date form received by agency: 10/12/1999
Site name: WAYNE STATE UNIVERSITY
Classification: Conditionally Exempt Small Quantity Generator

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

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 01/24/2007
Date achieved compliance: 03/07/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/08/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/24/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 03/07/2007
Evaluation lead agency: State

FINDS:

Registry ID: 110003711966

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.

HAZARDOUS WASTE BIENNIAL REPORTER

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

WAYNE STATE UNIVERSITY (Continued) **1004725376**

ECHO:
Envid: 1004725376
Registry ID: 110003711966
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003711966

59
South
1/8-1/4
0.182 mi.
962 ft.

W. FOREST AND TRUMBULL **MI INVENTORY** **S118693586**
W. FOREST AND TRUMBULL **N/A**
DETROIT, MI

Relative:
Lower

Actual:
620 ft.

INVENTORY:
Bea Number: Not reported
Township: Detroit
District: Southeast MI
Data Source: Part 201
Latitude: 42.34992
Longitude: -83.07745

60
ESE
1/8-1/4
0.182 mi.
963 ft.

MI DEPT/TRANSPORTATION **RCRA NonGen / NLR** **1000909099**
M 10 UNDER FOREST AVE **MI0000555730**
DETROIT, MI 48226

Relative:
Lower

Actual:
620 ft.

RCRA NonGen / NLR:
Date form received by agency: 08/02/1994
Facility name: MI DEPT/TRANSPORTATION
Facility address: M 10 UNDER FOREST AVE
DETROIT, MI 48226
EPA ID: MI0000555730
Mailing address: 20950 GRANGE RD
RIVERVIEW, MI 48193
Contact: MICHAEL STILL
Contact address: M 10 UNDER FOREST AVE
DETROIT, MI 48226
Contact country: US
Contact telephone: 313-479-4415
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MICH DEPT OF TRANSPORTATION
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: State
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970

MI DEPT/TRANSPORTATION (Continued) **1000909099**

Owner/Op end date: Not reported

Owner/operator name: MICH DEPT OF TRANSPORTATION
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: State
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

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

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

Violation Status: No violations found

61
West
1/8-1/4
0.185 mi.
977 ft.

NORTHWEST TRIANGLE INFILL (16 LOTS) **US BROWNFIELDS** **1016353351**
MULTIPLE ADDRESSES ON HECLA AND AVERY STREETS **FINDS** **N/A**
DETROIT, MI 48214

Relative:
Higher

Actual:
624 ft.

US BROWNFIELDS:
Property Name: NORTHWEST TRIANGLE INFILL (16 LOTS)
Recipient Name: Detroit/Wayne County Port Authority
Grant Type: Assessment
Property Number: Not reported
Parcel size: 2.32
Latitude: 42.353290
Longitude: -83.082957
HCM Label: Address Matching-House Number

NORTHWEST TRIANGLE INFILL (16 LOTS) (Continued) **1016353351**

Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106399
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	3105
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96550501
Start Date:	02/11/2008 00:00:00
Ownership Entity:	Not reported
Completion Date:	04/28/2008 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported

NORTHWEST TRIANGLE INFILL (16 LOTS) (Continued) **1016353351**

Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	2.06
Surface Water:	Not reported
Past use commercial acreage:	.26
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported

NORTHWEST TRIANGLE INFILL (16 LOTS) (Continued) **1016353351**

Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1586
Below Poverty Percent:	56.6%
Meidan Income:	2778
Meidan Income Number:	2134
Meidan Income Percent:	76.2%
Vacant Housing Number:	420
Vacant Housing Percent:	25.4%
Unemployed Number:	178
Unemployed Percent:	6.4%

Property Name:	NORTHWEST TRIANGLE INFILL (16 LOTS)
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	2.32
Latitude:	42.353290
Longitude:	-83.082957
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106399
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	12480
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	96550501
Start Date:	08/13/2008 00:00:00
Ownership Entity:	Not reported
Completion Date:	08/29/2008 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported

NORTHWEST TRIANGLE INFILL (16 LOTS) (Continued) **1016353351**

IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	2.06
Surface Water:	Not reported
Past use commercial acreage:	.26
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported

NORTHWEST TRIANGLE INFILL (16 LOTS) (Continued) **1016353351**

Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1586
Below Poverty Percent:	56.6%
Meidan Income:	2778
Meidan Income Number:	2134
Meidan Income Percent:	76.2%
Vacant Housing Number:	420
Vacant Housing Percent:	25.4%
Unemployed Number:	178
Unemployed Percent:	6.4%

Property Name:	NORTHWEST TRIANGLE INFILL (16 LOTS)
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	2.32
Latitude:	42.353290
Longitude:	-83.082957
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106399
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported

NORTHWEST TRIANGLE INFILL (16 LOTS) (Continued) **1016353351**

Cleanup Funding Source:	Not reported
Assessment Funding:	5000
Assessment Funding Source:	Private/Other Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Woodbridge NDC
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	96550501
Start Date:	08/13/2008 00:00:00
Ownership Entity:	Not reported
Completion Date:	08/29/2008 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported

NORTHWEST TRIANGLE INFILL (16 LOTS) (Continued) **1016353351**

Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	2.06
Surface Water:	Not reported
Past use commercial acreage:	.26
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1586
Below Poverty Percent:	56.6%
Meidan Income:	2778
Meidan Income Number:	2134
Meidan Income Percent:	76.2%
Vacant Housing Number:	420

NORTHWEST TRIANGLE INFILL (16 LOTS) (Continued) **1016353351**

Vacant Housing Percent: 25.4%
Unemployed Number: 178
Unemployed Percent: 6.4%

FINDS:

Registry ID: 110040216281

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

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

L62 **UNIVERSITY CLUB APTS LTD PART** **MI LUST** **1000828710**
ESE **900 W FOREST AVE** **MI UST** **MID985657824**
1/8-1/4 **DETROIT, MI 48201** **RCRA NonGen / NLR**
0.213 mi. **FINDS**
1123 ft. **Site 1 of 2 in cluster L** **ECHO**
MI WDS

Relative: Higher

Actual: 624 ft.

LUST:

Facility ID:	00037613
Source:	STATE OF MICHIGAN
Owner Name:	Univ Club L.D.H.A Ltd Ptn
Owner Address:	25200 Telegraph Rd Ste 410
Owner City,St,Zip:	Southfield, MI 48034-7446
Owner Contact:	Not reported
Owner Phone:	(313) 353-7981
Country:	USA
District:	Southeast MI
Site Name:	University Club Apartments
Latitude:	42.35207
Longitude:	-83.07127
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-0929-93
Release Date:	07/29/1993
Substance Released:	Kerosene
Release Status:	Closed
Release Closed Date:	11/30/1993

UST:

Facility Type:	CLOSED
Facility ID:	00037613
Facility Region:	1
Owner Name:	UNIV CLUB L.D.H.A LTD PTN
Owner Address:	25200 TELEGRAPH RD STE 410
Owner City:	SOUTHFIELD

UNIVERSITY CLUB APTS LTD PART (Continued) **1000828710**

Owner State:	MI
Owner Zip:	48034-7446
Owner Contact:	Not reported
Owner Phone:	3133537981
Contact:	WALTER COHEN
Contact Phone:	(313) 353-7981
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:	12000
Tank Status:	Removed from Ground
Substance:	Kerosene
Install Date:	Not reported
Remove Date:	07/29/1993
Tank Number:	UTK-053518-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Not reported
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.35207
Longitude:	-83.07127

RCRA NonGen / NLR:

Date form received by agency:	04/26/1999
Facility name:	UNIVERSITY CLUB APTS LTD PART
Facility address:	900 W FOREST AVE DETROIT, MI 48201
EPA ID:	MID985657824
Contact:	MARK DEVINE
Contact address:	900 W FOREST AVE DETROIT, MI 48201
Contact country:	US
Contact telephone:	313-478-2700
Contact email:	Not reported
EPA Region:	05
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	UNIV CLUB LDHA LIMITED PARTSHP
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

UNIVERSITY CLUB APTS LTD PART (Continued) **1000828710**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: UNIV CLUB LDHA LIMITED PARTSHP
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: 01/01/1970
Owner/Op end date: Not reported

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

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

Historical Generators:
Date form received by agency: 02/17/1993
Site name: UNIVERSITY CLUB APTS LTD PART
Classification: Not a generator, verified

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

UNIVERSITY CLUB APTS LTD PART (Continued) **1000828710**

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003679760

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:	1000828710
Registry ID:	110003679760
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110003679760

WDS:

Site Id:	MID985657824
WMD Id:	408335
Site Specific Name:	UNIVERSITY CLUB APTS LTD PART
Mailing Address:	900 W FOREST AVE
Mailing City/State/Zip:	48201
Mailing County:	WAYNE

L63 **900 W. FOREST** **MI INVENTORY** **S118693583**
ESE **900 W. FOREST** **N/A**
1/8-1/4 **DETROIT, MI**
0.213 mi.
1123 ft. **Site 2 of 2 in cluster L**

Relative:
Higher

Actual:
624 ft.

INVENTORY:

Bea Number:	Not reported
Township:	Detroit
District:	Southeast MI
Data Source:	Part 201
Latitude:	42.35253
Longitude:	-83.07066

64
SW
1/8-1/4
0.220 mi.
1159 ft.

DETROIT PUBLIC SCHOOLS
1745 W HANCOCK ST
DETROIT, MI 48208

RCRA-CESQG **1010564616**
MIK734675465

Relative:
Lower

Actual:
619 ft.

RCRA-CESQG:

Date form received by agency:	08/31/2011
Facility name:	DETROIT PUBLIC SCHOOLS
Facility address:	1745 W HANCOCK ST DETROIT, MI 48208
EPA ID:	MIK734675465
Mailing address:	1425 E WARREN AVE DETROIT, MI 48207
Contact:	MATHEW SAM
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	313-578-7431
Contact email:	MATHEW.SAM@DETROITK12.ORG
EPA Region:	05
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	DETROIT PUBLIC SCHOOLS
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:	District
Owner/Operator Type:	Operator
Owner/Op start date:	06/06/2007
Owner/Op end date:	Not reported

Owner/operator name:	DETROIT PUBLIC SCHOOLS
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

DETROIT PUBLIC SCHOOLS (Continued) **1010564616**

Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 06/06/2007
Owner/Op end date: Not reported

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

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

Historical Generators:
Date form received by agency: 08/20/2010
Site name: DETROIT PUBLIC SCHOOLS
Classification: Large Quantity Generator

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

Date form received by agency: 04/14/2009
Site name: DETROIT PUBLIC SCHOOLS
Classification: Conditionally Exempt Small Quantity Generator

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

DETROIT PUBLIC SCHOOLS (Continued) **1010564616**

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Date form received by agency: 05/13/2008
Site name: DETROIT PUBLIC SCHOOLS
Classification: Small Quantity Generator

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

Date form received by agency: 06/06/2007
Site name: DETROIT PUBLIC SCHOOLS
Classification: Small Quantity Generator

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

Violation Status: No violations found

M65 **THE POWER OF GREEN HOUSING** **US BROWNFIELDS** **1012296893**
SW **1777-1789 W WARREN, 4842-44 ROSA PARKS AND 4902-06 ROSA PARK** **N/A**
1/8-1/4 **DETROIT, MI 48208**
0.222 mi.
1171 ft. **Site 1 of 3 in cluster M**

Relative: **Lower**
Actual: **620 ft.**

US BROWNFIELDS:

Property Name:	THE POWER OF GREEN HOUSING
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	08001370., 08007565.001, 08007566., 08007567-70, 08001372-4, and 08001371
Parcel size:	.87
Latitude:	42.350552
Longitude:	-83.082333
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106381
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	13500
Assessment Funding Source:	Private/Other Funding

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Power of Green Housing
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Supplemental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	96550501
Start Date:	07/29/2008 00:00:00
Ownership Entity:	Private
Completion Date:	Not reported
Current Owner:	The Power of Green Housing LLC
Did Owner Change:	Y
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	.87
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The subject property has historically been used for residential and commercial purposes. The dwellings on the subject property were constructed in approximately 1889. A small commercial building was constructed on the northwestern portion of the subject property in 1939. Currently, the subject property contains one vacant dwelling and unimproved land.
Below Poverty Number:	1549
Below Poverty Percent:	54.1%
Meidan Income:	1831
Meidan Income Number:	2122

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Meidan Income Percent:	74.1%
Vacant Housing Number:	379
Vacant Housing Percent:	23.5%
Unemployed Number:	223
Unemployed Percent:	7.8%
Property Name:	THE POWER OF GREEN HOUSING
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	08001370., 08007565.001, 08007566., 08007567-70, 08001372-4, and 08001371
Parcel size:	.87
Latitude:	42.350552
Longitude:	-83.082333
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106381
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	3000
Assessment Funding Source:	Private/Other Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Power of Green Housing
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Supplemental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	96550501
Start Date:	12/04/2008 00:00:00
Ownership Entity:	Private
Completion Date:	06/09/2009 00:00:00
Current Owner:	The Power of Green Housing LLC
Did Owner Change:	Y
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	.87
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The subject property has historically been used for residential and commercial purposes. The dwellings on the subject property were constructed in approximately 1889. A small commercial building was constructed on the northwestern portion of the subject property in 1939. Currently, the subject property contains one vacant dwelling and unimproved land.
Below Poverty Number:	1549
Below Poverty Percent:	54.1%
Meidan Income:	1831
Meidan Income Number:	2122
Meidan Income Percent:	74.1%
Vacant Housing Number:	379
Vacant Housing Percent:	23.5%
Unemployed Number:	223
Unemployed Percent:	7.8%

Property Name:	THE POWER OF GREEN HOUSING
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	08001370., 08007565.001, 08007566., 08007567-70, 08001372-4, and 08001371
Parcel size:	.87
Latitude:	42.350552
Longitude:	-83.082333
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106381
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	3000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Supplemental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	96550501
Start Date:	12/04/2008 00:00:00
Ownership Entity:	Private
Completion Date:	06/09/2009 00:00:00
Current Owner:	The Power of Green Housing LLC
Did Owner Change:	Y
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported

THE POWER OF GREEN HOUSING (Continued) **1012296893**

VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	.87
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The subject property has historically been used for residential and commercial purposes. The dwellings on the subject property were constructed in approximately 1889. A small commercial building was constructed on the northwestern portion of the subject property in 1939. Currently, the subject property contains one vacant dwelling and unimproved land.
Below Poverty Number:	1549
Below Poverty Percent:	54.1%
Meidan Income:	1831
Meidan Income Number:	2122
Meidan Income Percent:	74.1%

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Vacant Housing Number:	379
Vacant Housing Percent:	23.5%
Unemployed Number:	223
Unemployed Percent:	7.8%
Property Name:	THE POWER OF GREEN HOUSING
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	08001370., 08007565.001, 08007566., 08007567-70, 08001372-4, and 08001371
Parcel size:	.87
Latitude:	42.350552
Longitude:	-83.082333
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106381
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	2200
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96550501
Start Date:	07/29/2008 00:00:00
Ownership Entity:	Private
Completion Date:	10/31/2008 00:00:00
Current Owner:	The Power of Green Housing LLC
Did Owner Change:	Y
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	.87
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The subject property has historically been used for residential and commercial purposes. The dwellings on the subject property were constructed in approximately 1889. A small commercial building was constructed on the northwestern portion of the subject property in 1939. Currently, the subject property contains one vacant dwelling and unimproved land.
Below Poverty Number:	1549
Below Poverty Percent:	54.1%
Meidan Income:	1831
Meidan Income Number:	2122
Meidan Income Percent:	74.1%
Vacant Housing Number:	379
Vacant Housing Percent:	23.5%
Unemployed Number:	223
Unemployed Percent:	7.8%

Property Name:	THE POWER OF GREEN HOUSING
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	08001370., 08007565.001, 08007566., 08007567-70, 08001372-4, and 08001371
Parcel size:	.87
Latitude:	42.350552
Longitude:	-83.082333
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106381
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	7000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Supplemental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	96550501
Start Date:	07/29/2008 00:00:00
Ownership Entity:	Private
Completion Date:	Not reported
Current Owner:	The Power of Green Housing LLC
Did Owner Change:	Y
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y

THE POWER OF GREEN HOUSING (Continued) **1012296893**

VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	.87
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The subject property has historically been used for residential and commercial purposes. The dwellings on the subject property were constructed in approximately 1889. A small commercial building was constructed on the northwestern portion of the subject property in 1939. Currently, the subject property contains one vacant dwelling and unimproved land.
Below Poverty Number:	1549
Below Poverty Percent:	54.1%
Meidan Income:	1831
Meidan Income Number:	2122
Meidan Income Percent:	74.1%
Vacant Housing Number:	379

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Vacant Housing Percent:	23.5%
Unemployed Number:	223
Unemployed Percent:	7.8%
Property Name:	THE POWER OF GREEN HOUSING
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	08001370., 08007565.001, 08007566., 08007567-70, 08001372-4, and 08001371
Parcel size:	.87
Latitude:	42.350552
Longitude:	-83.082333
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106381
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	11190
Assessment Funding Source:	Private/Other Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Power of Green Housing
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	96550501
Start Date:	11/26/2008 00:00:00
Ownership Entity:	Private
Completion Date:	12/10/2008 00:00:00
Current Owner:	The Power of Green Housing LLC
Did Owner Change:	Y
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	.87
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported

THE POWER OF GREEN HOUSING (Continued) **1012296893**

Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The subject property has historically been used for residential and commercial purposes. The dwellings on the subject property were constructed in approximately 1889. A small commercial building was constructed on the northwestern portion of the subject property in 1939. Currently, the subject property contains one vacant dwelling and unimproved land.
Below Poverty Number:	1549
Below Poverty Percent:	54.1%
Meidan Income:	1831
Meidan Income Number:	2122
Meidan Income Percent:	74.1%
Vacant Housing Number:	379
Vacant Housing Percent:	23.5%
Unemployed Number:	223
Unemployed Percent:	7.8%

N66 **DHT TRANSPORTATION** **MI UST** **U004294179**
WSW **5150 ROSA PARKS BLVD** **N/A**
1/8-1/4 **DETROIT, MI 48208**
0.225 mi.
1187 ft. **Site 1 of 2 in cluster N**

Relative: **Lower**
Actual: **622 ft.**

UST:

Facility Type:	CLOSED
Facility ID:	50000025
Facility Region:	1
Owner Name:	NRT OWNER
Owner Address:	UNKNOWN
Owner City:	UNKNOWN
Owner State:	MI
Owner Zip:	99999
Owner Contact:	Not reported
Owner Phone:	Not reported
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

DHT TRANSPORTATION (Continued) **U004294179**

Method of Collection:	Not reported
District:	Not reported
Tank ID:	1
Capacity:	Not reported
Tank Status:	Non-Registered Tank
Substance:	Not reported
Install Date:	Not reported
Remove Date:	Not reported
Tank Number:	UTK-034524-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Not reported
Piping Type:	Not reported
Tank Construction:	Not reported
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported

N67 **DHT TRANSPORTATION** **MI LUST** **S102726089**
WSW **5150 ROSA PARKS BLVD** **MI INVENTORY** **N/A**
1/8-1/4 **DETROIT, MI 48208** **MI BEA**
0.225 mi. **MI WDS**
1187 ft. **Site 2 of 2 in cluster N**

Relative: **Lower**
Actual: **622 ft.**

LUST:

Facility ID:	50000025
Source:	STATE OF MICHIGAN
Owner Name:	Unknown
Owner Address:	Unknown
Owner City,St,Zip:	Unknown, MI 99999
Owner Contact:	Not reported
Owner Phone:	Not reported
Country:	USA
District:	Southeast MI
Site Name:	Dht Transportation
Latitude:	42.35240
Longitude:	-83.08393
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-0769-85
Release Date:	01/01/1900
Substance Released:	Not reported
Release Status:	Open
Release Closed Date:	Not reported

INVENTORY:

Bea Number:	Not reported
Township:	Not reported
District:	Southeast MI
Data Source:	Part 213
Latitude:	42.35241

DHT TRANSPORTATION (Continued) **S102726089**

Longitude: -83.08393

BEA:
Secondary Address: Not reported
BEA Number: 1844
District: Southeast MI
Date Received: 10/21/2002
Submitter Name: DHT Aquisition Company LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: ferrittj
Division Assigned: Environmental Response Division

WDS:
Site Id: MIG000023879
WMD Id: 451293
Site Specific Name: OLIVER HARDEN
Mailing Address: 5150 ROSA PARKS BLVD
Mailing City/State/Zip: 48208
Mailing County: WAYNE

O68 **UNIVERSITY MEADOWS APARTMENTS** **MI INVENTORY** **S121466663**
South **4500 TRUMBULL AVENUE** **N/A**
1/8-1/4 **WAYNE (County), MI 48201**
0.227 mi.
1201 ft. **Site 1 of 2 in cluster O**

Relative: **Lower**
Actual: **620 ft.**

INVENTORY:
Bea Number: 201707961LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: 42.34962
Longitude: -83.07616

O69 **UNIVERSITY MEADOWS APARTMENTS** **MI INVENTORY** **S121466664**
South **4500 TRUMBULL AVENUE** **N/A**
1/8-1/4 **DETROIT, MI**
0.227 mi.
1201 ft. **Site 2 of 2 in cluster O**

Relative: **Lower**
Actual: **620 ft.**

INVENTORY:
Bea Number: Not reported
Township: Detroit
District: Southeast MI
Data Source: Part 201
Latitude: 42.34962
Longitude: -83.07616

M70
SW
1/8-1/4
0.228 mi.
1204 ft.

EXCEPTIONAL LIVING ON ROSA PARKS
1783 WEST WARREN AVENUE
WAYNE (County), MI 48208

Site 2 of 3 in cluster M

MI INVENTORY **S114034247**
N/A

Relative:
Lower

Actual:
620 ft.

INVENTORY:

Bea Number:	200804079LV
Township:	Detroit
District:	Southeast MI
Data Source:	BEA
Latitude:	Not reported
Longitude:	Not reported

M71
SW
1/8-1/4
0.228 mi.
1204 ft.

EXCEPTIONAL LIVING ON ROSA PARKS
1783 WEST WARREN AVENUE
DETROIT, MI 48208

Site 3 of 3 in cluster M

MI BEA **S109416670**
N/A

Relative:
Lower

Actual:
620 ft.

BEA:

Secondary Address:	Not reported
BEA Number:	4079
District:	Southeast MI
Date Received:	12/26/2008
Submitter Name:	The Power of Green Housing, LLC
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	No Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	schlaufj
Division Assigned:	RRD

P72
ESE
1/8-1/4
0.245 mi.
1292 ft.

DTE ELECTRIC COMPANY
4603 FOURTH ST
DETROIT, MI 48201

Site 1 of 2 in cluster P

RCRA-CESQG **1016958000**
MIK108168695

Relative:
Lower

Actual:
622 ft.

RCRA-CESQG:

Date form received by agency:	10/30/2014
Facility name:	DTE ELECTRIC COMPANY
Facility address:	4603 FOURTH ST DETROIT, MI 48201
EPA ID:	MIK108168695
Mailing address:	ONE ENERGY PLAZA 655 G O DETROIT, MI 48226
Contact:	BETTY WHITE-CLARK
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	313-235-7382
Contact email:	WHITE-CLARKB@DTEENERGY.COM
EPA Region:	05
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

DTE ELECTRIC COMPANY (Continued) **1016958000**

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	DTE ELECTRIC COMPANY
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:	06/26/2014
Owner/Op end date:	Not reported

Owner/operator name:	DTE ELECTRIC COMPANY
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:	06/26/2014
Owner/Op end date:	Not reported

Handler Activities Summary:

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

DTE ELECTRIC COMPANY (Continued) **1016958000**

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

Violation Status: No violations found

P73 **DTE ELECTRIC COMPANY** **MI INVENTORY** **S117369571**
ESE **4603 FOURTH ST** **MI WDS** **N/A**
1/8-1/4 **DETROIT, MI 48201**
0.245 mi.
1292 ft. **Site 2 of 2 in cluster P**

Relative: **Lower**
Actual: **622 ft.**

INVENTORY:
Bea Number: 201406111LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

WDS:
Site Id: MIK108168695
WMD Id: 494001
Site Specific Name: DTE ELECTRIC COMPANY
Mailing Address: ONE ENERGY PLAZA
Mailing City/State/Zip: 48226
Mailing County: WAYNE

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74 **WAYNE STATE UNIVERSITY** **RCRA-CESQG** **1004725381**
East **666 W HANCOCK ST** **WI MANIFEST** **MIR000042523**
1/8-1/4 **DETROIT, MI 48201**
0.248 mi.
1309 ft.

Relative: **Higher**
Actual: **625 ft.**

RCRA-CESQG:
Date form received by agency: 06/12/2015
Facility name: WAYNE STATE UNIVERSITY
Facility address: 666 W HANCOCK ST
DETROIT, MI 48201
EPA ID: MIR000042523
Mailing address: 5425 WOODWARD AVE, SUITE 300
OFFICE OF ENV HEALTH & SAFETY
DETROIT, MI 48202
Contact: RICHARD D HARRISON
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: 313-577-1200
Contact email: AK5143@WAYNE.EDU
EPA Region: 05
Land type: State
Classification: Conditionally Exempt Small Quantity Generator

WAYNE STATE UNIVERSITY (Continued) **1004725381**

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	WAYNE STATE BOARD OF GOVERNORS
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:	State
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1970
Owner/Op end date:	Not reported

Owner/operator name:	WAYNE STATE BOARD OF GOVERNORS
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:	State
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1970
Owner/Op end date:	Not reported

Handler Activities Summary:

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

WAYNE STATE UNIVERSITY (Continued) **1004725381**

Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Yes

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

Historical Generators:
Date form received by agency: 05/05/2015
Site name: WAYNE STATE UNIVERSITY
Classification: Not a generator, verified

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

Date form received by agency: 11/19/2013
Site name: WAYNE STATE UNIVERSITY
Classification: Large Quantity Generator

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

Date form received by agency: 09/27/2012
Site name: WAYNE STATE UNIVERSITY
Classification: Large Quantity Generator

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

WAYNE STATE UNIVERSITY (Continued) **1004725381**

Date form received by agency: 10/12/1999
Site name: WAYNE STATE UNIVERSITY
Classification: Conditionally Exempt Small Quantity Generator

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

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/24/2007
Date achieved compliance: 03/05/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/06/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/24/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/24/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/05/2007
Evaluation lead agency: State

WI MANIFEST:
Year: 2015
EPA ID: MIR000042523
FID: Not reported
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
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

WAYNE STATE UNIVERSITY (Continued) **1004725381**

Shipped:
Year: 2015
Manifest Doc Id: 000960952VES
Copy Type: TSDCOPY
Gen EPA ID: MIR000042523
Gen Date: 08/10/2015
GEN Copy Revd Date: Not reported
TSD Date: 08/12/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 09/15/2015

Year: 2015
Manifest Doc Id: 000961894VES
Copy Type: TSDCOPY
Gen EPA ID: MIR000042523
Gen Date: 05/05/2015
GEN Copy Revd Date: Not reported
TSD Date: 05/08/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 06/12/2015

Year: 2012
EPA ID: MIR000042523
FID: Not reported
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
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

Shipped:
Year: 2012
Manifest Doc Id: 000530236VES
Copy Type: TSDCOPY
Gen EPA ID: MIR000042523
Gen Date: 08/09/2012
GEN Copy Revd Date: Not reported
TSD Date: 08/17/2012
TSD EPA ID: WID003967148
TSD Copy Revd Date: 09/12/2012

Year: 2009
EPA ID: MIR000042523
FID: Not reported
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact Title: Not reported

WAYNE STATE UNIVERSITY (Continued) **1004725381**

Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:
Year: 2009
Manifest Doc Id: 000372521VES
Copy Type: TSDCOPY
Gen EPA ID: MIR000042523
Gen Date: 07/28/2009
GEN Copy Revd Date: Not reported
TSD Date: Not reported
TSD EPA ID: WID003967148
TSD Copy Revd Date: 09/23/2009

Year: 2008
EPA ID: MIR000042523
FID: Not reported
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
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

Year: 2007
EPA ID: MIR000042523
FID: 0
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
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

Year: 2006
EPA ID: MIR000042523
FID: 0
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact Title: Not reported
Contact Name: Not reported

WAYNE STATE UNIVERSITY (Continued) **1004725381**

Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Year: 2005
EPA ID: MIR000042523
FID: 0
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
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

Year: 2004
EPA ID: MIR000042523
FID: 0
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
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

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75 SE 1/8-1/4 0.249 mi. 1315 ft.

DETROIT PUBLIC SCHOOLS
4555 JOHN C LODGE FREEWAY
DETROIT, MI 48207

RCRA-CESQG 1018276127
FINDS MIK214015431
ECHO

Relative: Lower

Actual: 618 ft.

RCRA-CESQG:
Date form received by agency: 01/15/2016
Facility name: DETROIT PUBLIC SCHOOLS
Facility address: 4555 JOHN C LODGE FREEWAY
DETROIT, MI 48207
EPA ID: MIK214015431
Mailing address: 1601 FARNSWORTH
DETROIT, MI 48211
Contact: MATHEW SAM
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: 313-578-7431
Contact email: MATHEW.SAM@DETROITK12.ORG
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator

DETROIT PUBLIC SCHOOLS (Continued) **1018276127**

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	DETROIT PUBLIC SCHOOLS
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:	01/01/1970
Owner/Op end date:	Not reported

Owner/operator name:	DETROIT PUBLIC SCHOOLS
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:	01/01/1970
Owner/Op end date:	Not reported

Handler Activities Summary:

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

DETROIT PUBLIC SCHOOLS (Continued) **1018276127**

Used oil transfer facility: No
Used oil transporter: No

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

Violation Status: No violations found

FINDS:

Registry ID: 110067268931

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: 1018276127
Registry ID: 110067268931
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110067268931

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76 West 1/4-1/2 0.290 mi. 1531 ft.

THOMAS GOODFELLOW INC
5201 ROSA PARKS BLVD
DETROIT, MI 48208

MI LUST **U003323475**
MI UST **N/A**
MI INVENTORY
MI WDS

Relative: Lower

Actual: 622 ft.

LUST:
Facility ID: 00016013
Source: STATE OF MICHIGAN
Owner Name: Thomas Goodfellow Inc
Owner Address: 6700 CHASE RD
Owner City,St,Zip: DEARBORN, MI 48126
Owner Contact: Not reported
Owner Phone: (313) 846-0210
Country: USA
District: Southeast MI
Site Name: Thomas Goodfellow Inc
Latitude: 42.35293
Longitude: -83.08463
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET

THOMAS GOODFELLOW INC (Continued) **U003323475**

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

Leak Number: C-0020-00
Release Date: 01/05/2000
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

UST:
Facility Type: CLOSED
Facility ID: 00016013
Facility Region: 1
Owner Name: THOMAS GOODFELLOW INC
Owner Address: 6700 CHASE RD
Owner City: DEARBORN
Owner State: MI
Owner Zip: 48126
Owner Contact: Not reported
Owner Phone: 3138460210
Contact: WILLIAM STEGGEHLIS
Contact Phone: (313) 846-0210
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: 2000
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: 04/29/1961
Remove Date: 01/01/2000
Tank Number: UTK-005532-15
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve at Tank
Tank Construction: Asphalt Coated or Bare Steel
Impressed Device: Not reported
Latitude: 42.35293
Longitude: -83.08463

Facility Type: CLOSED
Facility ID: 00016013
Facility Region: 1
Owner Name: THOMAS GOODFELLOW INC
Owner Address: 6700 CHASE RD
Owner City: DEARBORN
Owner State: MI
Owner Zip: 48126
Owner Contact: Not reported

THOMAS GOODFELLOW INC (Continued) **U003323475**

Owner Phone:	3138460210
Contact:	WILLIAM STEGGEHLIS
Contact Phone:	(313) 846-0210
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:	2000
Tank Status:	Closed in Ground
Substance:	Diesel
Install Date:	04/29/1961
Remove Date:	10/13/2000
Tank Number:	UTK-097357-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.35293
Longitude:	-83.08463

INVENTORY:

Bea Number:	Not reported
Township:	Not reported
District:	Southeast MI
Data Source:	Part 213
Latitude:	42.35294
Longitude:	-83.08464

WDS:

Site Id:	MID981799570
WMD Id:	400363
Site Specific Name:	ROSA PARKS BOULEVARD
Mailing Address:	PO BOX 30050
Mailing City/State/Zip:	48909
Mailing County:	INGHAM

Q77 **FORMER GAS STATION** **MI LUST** **S108488148**
ESE **4387 3RD AVENUE 4477 3RD AVENUE (FORMER ADDRESS)** **MI INVENTORY** **N/A**
1/4-1/2 **DETROIT, MI 48212**
0.304 mi.
1606 ft. **Site 1 of 5 in cluster Q**

Relative:
Lower

Actual:
622 ft.

LUST:

Facility ID:	50005596
Source:	STATE OF MICHIGAN
Owner Name:	Unknown
Owner Address:	Unknown
Owner City,St,Zip:	Unknown, MI 99999

FORMER GAS STATION (Continued) **S108488148**

Owner Contact:	Not reported
Owner Phone:	Not reported
Country:	USA
District:	Southeast MI
Site Name:	Former Gas Station
Latitude:	42.35023
Longitude:	-83.06884
Date of Collection:	10/22/2007
Method of Collection:	Interpolation-Map
Accuracy:	40
Accuracy Value Unit:	FEET
Horizontal Data:	NAD83
Point Line Area:	POINT
Desc Category:	Not reported
Leak Number:	C-0047-07
Release Date:	07/19/2006
Substance Released:	Unknown
Release Status:	Open
Release Closed Date:	Not reported

INVENTORY:

Bea Number:	Not reported
Township:	Not reported
District:	Southeast MI
Data Source:	Part 213
Latitude:	42.35023
Longitude:	-83.06884

Q78 **MHT HOUSING INC** **MI BEA S108414473**
ESE **4387 3RD ST** **MI WDS N/A**
1/4-1/2 **DETROIT, MI 48201**
0.304 mi.
1606 ft. **Site 2 of 5 in cluster Q**

Relative: **Lower**

Actual: **622 ft.**

BEA:

Secondary Address:	Not reported
BEA Number:	3702
District:	Southeast MI
Date Received:	11/02/2007
Submitter Name:	Calumet II/MHT LDHA LLC
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	No Hazardous Substance(s)
Determination 20107A:	Affirmed
Reviewer:	schlaufj
Division Assigned:	Storage Tank Division
Secondary Address:	Not reported
BEA Number:	3449
District:	Southeast MI
Date Received:	02/08/2007
Submitter Name:	Calumet II/MHT LDHA LP
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	No Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	schlaufj

MHT HOUSING INC (Continued) **S108414473**

Division Assigned: Storage Tank Division

WDS:
Site Id: MIK746913649
WMD Id: 484932
Site Specific Name: CALUMET APARTMENTS & TOWNHOUSES
Mailing Address: 4387 3RD ST
Mailing City/State/Zip: 48201
Mailing County: WAYNE

Q79 **FORMER GASOLINE STATION** **MI INVENTORY** **S122252175**
ESE **4387 3RD AVENUE** **N/A**
1/4-1/2 **WAYNE (County), MI 48201**
0.304 mi.
1606 ft. **Site 3 of 5 in cluster Q**

Relative: **Lower**
Actual: **622 ft.**

INVENTORY:
Bea Number: 200703449LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Q80 **FORMER GASOLINE STATION** **MI INVENTORY** **S122252176**
ESE **4387 THIRD AVENUE** **N/A**
1/4-1/2 **WAYNE (County), MI 48201**
0.304 mi.
1606 ft. **Site 4 of 5 in cluster Q**

Relative: **Lower**
Actual: **622 ft.**

INVENTORY:
Bea Number: 200703702LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

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81 **FORMER WHITING DISTRIBUTION CENTER** **MI BEA** **S106425804**
WNW **5470 HECLA STREET** **MI WDS** **N/A**
1/4-1/2 **DETROIT, MI 48212**
0.313 mi.
1652 ft.

Relative: **Higher**
Actual: **629 ft.**

BEA:
Secondary Address: First Parcel
BEA Number: 2408
District: Southeast MI
Date Received: 04/30/2004
Submitter Name: Johnstons Enterprises LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request

FORMER WHITING DISTRIBUTION CENTER (Continued) **S106425804**

Reviewer: novake
Division Assigned: Environmental Response Division

Secondary Address: First Parcel
BEA Number: 2373
District: Southeast MI
Date Received: 04/30/2004
Submitter Name: Bay Logistics Inc.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: williakt
Division Assigned: Environmental Response Division

WDS:
Site Id: MIR000038935
WMD Id: 413043
Site Specific Name: CLOROX CO AT WHITING DISTRIBUTION
Mailing Address: 7200 JOHNSON DR
Mailing City/State/Zip: 94566
Mailing County: Not reported

Site Id: MIR000031054
WMD Id: 412257
Site Specific Name: HECLA
Mailing Address: 5470 HELCA ST
Mailing City/State/Zip: 48208
Mailing County: WAYNE

Site Id: MID096967757
WMD Id: 398004
Site Specific Name: ZENECA RESINS
Mailing Address: 5470 HECLA ST
Mailing City/State/Zip: 48208
Mailing County: WAYNE

Site Id: MIK911278521
WMD Id: 468712
Site Specific Name: M F CACHAT CO AT WHITING DIST
Mailing Address: 14600 DETROIT
Mailing City/State/Zip: 44107
Mailing County: Not reported

Site Id: MIK157183427
WMD Id: 468306
Site Specific Name: ALL POINTS TRANSPORTATION CORP OF MI
Mailing Address: PO BOX 190
Mailing City/State/Zip: 48121
Mailing County: WAYNE

Q82 **4468 3RD AVENUE** **MI INVENTORY** **S120852083**
ESE **4468 3RD AVENUE** **N/A**
1/4-1/2 **WAYNE (County), MI 48201**
0.317 mi.
1672 ft. **Site 5 of 5 in cluster Q**

Relative: **Lower**

Actual: **623 ft.**

INVENTORY:

Bea Number:	201707500LV
Township:	Detroit
District:	Southeast MI
Data Source:	BEA
Latitude:	Not reported
Longitude:	Not reported

R83 **FORMER WHITING DISTRIBUTION CENTER** **MI BEA** **S110142494**
NW **5621 COMMONWEALTH (PARCEL D)** **N/A**
1/4-1/2 **DETROIT, MI**
0.335 mi.
1769 ft. **Site 1 of 3 in cluster R**

Relative: **Higher**

Actual: **632 ft.**

BEA:

Secondary Address:	Not reported
BEA Number:	2337
District:	Southeast MI
Date Received:	03/26/2004
Submitter Name:	Bay Logistics Inc.
Petition Determination:	No Request
Petition Disclosure:	0
Category:	No Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	novake
Division Assigned:	Environmental Response Division

R84 **MCGEAN-ROHCO INC** **MI BEA** **S104910687**
NW **5621 COMMONWEALTH ST** **MI WDS** **N/A**
1/4-1/2 **DETROIT, MI 48208**
0.335 mi.
1769 ft. **Site 2 of 3 in cluster R**

Relative: **Higher**

Actual: **632 ft.**

BEA:

Secondary Address:	Not reported
BEA Number:	249
District:	Southeast MI
Date Received:	01/09/1997
Submitter Name:	WHITING DISTRIBUTION SERVICES
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	No Hazardous Substance(s)
Determination 20107A:	Affirmed
Reviewer:	temppm
Division Assigned:	Environmental Response Division

Secondary Address:	Parcel D
BEA Number:	2374
District:	Southeast MI
Date Received:	04/30/2004
Submitter Name:	Bay Logistics, Inc.
Petition Determination:	No Request

MCGEAN-ROHCO INC (Continued) **S104910687**

Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: williakt
Division Assigned: Environmental Response Division

WDS:
Site Id: MIR000016493
WMD Id: 410865
Site Specific Name: MCGEAN-ROHCO INC
Mailing Address: 5621 COMMONWEALTH ST
Mailing City/State/Zip: 48208
Mailing County: WAYNE

R85 **5621 COMMONWEALTH** **MI INVENTORY** **S118622108**
NW **5621 COMMONWEALTH** **N/A**
1/4-1/2 **DETROIT, MI**
0.335 mi.
1769 ft. **Site 3 of 3 in cluster R**

Relative: **Higher**
Actual: **632 ft.**

INVENTORY:
Bea Number: Not reported
Township: Detroit
District: Southeast MI
Data Source: Part 201
Latitude: 42.35714
Longitude: -83.0836

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86 **4625 SECOND AVENUE, LLC** **US BROWNFIELDS** **1016353337**
East **4625 SECOND AVENUE** **FINDS** **N/A**
1/4-1/2 **DETROIT, MI 48201**
0.345 mi.
1823 ft.

Relative: **Higher**
Actual: **624 ft.**

US BROWNFIELDS:
Property Name: 4625 SECOND AVENUE, LLC
Recipient Name: Detroit/Wayne County Port Authority
Grant Type: Assessment
Property Number: 4/3268
Parcel size: .48
Latitude: 42.352612
Longitude: -83.067736
HCM Label: Address Matching-House Number
Map Scale: Not reported
Point of Reference: Entrance Point of a Facility or Station
Highlights: Not reported
Datum: North American Datum of 1983
Acres Property ID: 106383
IC Data Access: Not reported
Start Date: Not reported
Redev Completition Date: Not reported
Completed Date: Not reported
Acres Cleaned Up: Not reported
Cleanup Funding: Not reported
Cleanup Funding Source: Not reported
Assessment Funding: 4595

4625 SECOND AVENUE, LLC (Continued) **1016353337**

Assessment Funding Source:	Private/Other Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	4625 Second Avenue, LLC
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	96550501
Start Date:	03/20/2009 00:00:00
Ownership Entity:	Private
Completion Date:	04/22/2009 00:00:00
Current Owner:	4625 Second Avenue, LLC
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Y
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported

4625 SECOND AVENUE, LLC (Continued) **1016353337**

Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Y
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The structure on the subject property was constructed in approximately 1909. Two storefronts are located in the basement level of the structure and residential apartements occupied the remaining portions of the basemnet and the first through fourth floors of the sturucture.
Below Poverty Number:	2937
Below Poverty Percent:	50.1%
Meidan Income:	2301
Meidan Income Number:	4187
Meidan Income Percent:	71.4%

4625 SECOND AVENUE, LLC (Continued) **1016353337**

Vacant Housing Number:	1070
Vacant Housing Percent:	26.6%
Unemployed Number:	424
Unemployed Percent:	7.2%
Property Name:	4625 SECOND AVENUE, LLC
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	4/3268
Parcel size:	.48
Latitude:	42.352612
Longitude:	-83.067736
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106383
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	1400
Assessment Funding Source:	Private/Other Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	4625 Second Avenue, LLC
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96550501
Start Date:	01/13/2009 00:00:00
Ownership Entity:	Private
Completion Date:	01/21/2009 00:00:00
Current Owner:	4625 Second Avenue, LLC
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

4625 SECOND AVENUE, LLC (Continued) **1016353337**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Y
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

4625 SECOND AVENUE, LLC (Continued) **1016353337**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Y
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The structure on the subject property was constructed in approximately 1909. Two storefronts are located in the basement level of the structure and residential apartements occupied the remaining portions of the basemnet and the first through fourth floors of the sturucture.
Below Poverty Number:	2937
Below Poverty Percent:	50.1%
Meidan Income:	2301
Meidan Income Number:	4187
Meidan Income Percent:	71.4%
Vacant Housing Number:	1070
Vacant Housing Percent:	26.6%
Unemployed Number:	424
Unemployed Percent:	7.2%

Property Name:	4625 SECOND AVENUE, LLC
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	4/3268
Parcel size:	.48
Latitude:	42.352612
Longitude:	-83.067736
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106383
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	2000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported

4625 SECOND AVENUE, LLC (Continued) **1016353337**

Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96550501
Start Date:	01/13/2009 00:00:00
Ownership Entity:	Private
Completion Date:	01/21/2009 00:00:00
Current Owner:	4625 Second Avenue, LLC
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Y
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported

4625 SECOND AVENUE, LLC (Continued) **1016353337**

Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Y
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The structure on the subject property was constructed in approximately 1909. Two storefronts are located in the basement level of the structure and residential apartements occupied the remaining portions of the basemnet and the first through fourth floors of the sturucture.
Below Poverty Number:	2937
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Meidan Income:	2301
Meidan Income Number:	4187
Meidan Income Percent:	71.4%
Vacant Housing Number:	1070
Vacant Housing Percent:	26.6%
Unemployed Number:	424
Unemployed Percent:	7.2%

4625 SECOND AVENUE, LLC (Continued) **1016353337**

FINDS:

Registry ID: 110040214611

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

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

S87 **LEONARD ARCHIVES** **MI BEA** **S105966648**
NW **5757 TRUMBULL ST** **MI WDS** **N/A**
1/4-1/2 **DETROIT, MI 48208**
0.401 mi.
2118 ft. **Site 1 of 3 in cluster S**

Relative:
Higher

Actual:
629 ft.

BEA:

Secondary Address:	Not reported
BEA Number:	2129
District:	Southeast MI
Date Received:	09/11/2003
Submitter Name:	Trumbull Investments LLc
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	No Hazardous Substance(s)
Determination 20107A:	Affirmed
Reviewer:	williakt
Division Assigned:	Environmental Response Division

WDS:

Site Id:	MIK452246267
WMD Id:	482267
Site Specific Name:	IRON MOUNTAIN/TRUMBULL
Mailing Address:	24300 WAHL ST
Mailing City/State/Zip:	48089
Mailing County:	MACOMB

Site Id:	MIG000048317
WMD Id:	439000
Site Specific Name:	LEONARD ARCHIVES
Mailing Address:	5757 TRUMBULL ST
Mailing City/State/Zip:	48208
Mailing County:	WAYNE

S88
NW
1/4-1/2
0.401 mi.
2118 ft.

5757 TRUMBULL DETROIT PARTNERS, LLC
5757 TRUMBULL AVENUE
WAYNE (County), MI 48208

Site 2 of 3 in cluster S

MI INVENTORY **S117440296**
N/A

Relative:
Higher

Actual:
629 ft.

INVENTORY:

Bea Number:	201406261LV
Township:	Detroit
District:	Southeast MI
Data Source:	BEA
Latitude:	Not reported
Longitude:	Not reported

89
SW
1/4-1/2
0.414 mi.
2186 ft.

GRAND RIVER/FOREST/ROSA PARKS/CANFIELD
GRAND RIVER/FOREST/ROSA PARKS/CANFIELD
DETROIT, MI

MI INVENTORY **S118188591**
N/A

Relative:
Lower

Actual:
614 ft.

INVENTORY:

Bea Number:	Not reported
Township:	Detroit
District:	Southeast MI
Data Source:	Part 201
Latitude:	42.34725
Longitude:	-83.08289

T90
East
1/4-1/2
0.415 mi.
2191 ft.

HANCOCK CENTER
HANCOCK AVENUE & CASS
DETROIT, MI 48221

Site 1 of 7 in cluster T

MI LUST **U003758976**
MI UST **N/A**

Relative:
Higher

Actual:
627 ft.

LUST:

Facility ID:	00040576
Source:	STATE OF MICHIGAN
Owner Name:	Robertson Bros Co
Owner Address:	6905 Telegraph Rd Ste 200
Owner City,St,Zip:	Bloomfield Hills, MI 48301-3159
Owner Contact:	Not reported
Owner Phone:	( ) -
Country:	USA
District:	Southeast MI
Site Name:	Hancock Center
Latitude:	42.35508
Longitude:	-83.06625
Date of Collection:	10/05/2004
Method of Collection:	Address Matching-House Number
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Data:	NAD83
Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Leak Number:	C-0886-00
Release Date:	11/09/2000
Substance Released:	Unknown

HANCOCK CENTER (Continued) **U003758976**

Release Status: Closed
Release Closed Date: 05/09/2001

UST:

Facility Type:	CLOSED
Facility ID:	00040576
Facility Region:	1
Owner Name:	ROBERTSON BROS CO
Owner Address:	6905 TELEGRAPH RD STE 200
Owner City:	BLOOMFIELD HILLS
Owner State:	MI
Owner Zip:	48301-3159
Owner Contact:	Not reported
Owner Phone:	Not reported
Contact:	RON PHILLIPS
Contact Phone:	(248) 644-3460
Date of Collection:	10/05/2004
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:	Not reported
Tank Status:	Removed from Ground
Substance:	Other(UNK)
Install Date:	Not reported
Remove Date:	11/09/2000
Tank Number:	UTK-078732-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Unknown
Impressed Device:	Not reported
Latitude:	42.35508
Longitude:	-83.06625

S91 **5766 TRUMBULL** **MI INVENTORY** **S114030941**
NW **5766 TRUMBULL** **N/A**
1/4-1/2 **DETROIT, MI 48208**
0.417 mi.
2201 ft. **Site 3 of 3 in cluster S**

Relative:
Higher

Actual:
628 ft.

INVENTORY:

Bea Number:	Not reported
Township:	Detroit
District:	Southeast MI
Data Source:	Part 201
Latitude:	42.35844
Longitude:	-83.08203

92
WNW
1/4-1/2
0.423 mi.
2232 ft.

DDOT GILBERT GARAGE
5600 WABASH ST
DETROIT, MI 48208

MI LUST
MI UST
MI INVENTORY
MI Financial Assurance
MI WDS

U003322797
N/A

Relative:
Higher

Actual:
631 ft.

LUST:

Facility ID:	00013463
Source:	STATE OF MICHIGAN
Owner Name:	Detroit Dept of Transportation
Owner Address:	1301 E Warren Ave
Owner City,St,Zip:	Detroit, MI 48207
Owner Contact:	Accounting Division
Owner Phone:	(313) 833-3000
Country:	USA
District:	Southeast MI
Site Name:	Department Of Transportation
Latitude:	42.35501
Longitude:	-83.08835
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-0084-00
Release Date:	01/25/2000
Substance Released:	Unknown
Release Status:	Open
Release Closed Date:	Not reported
Leak Number:	C-1329-99
Release Date:	12/17/1999
Substance Released:	Unknown
Release Status:	Open
Release Closed Date:	Not reported
Leak Number:	C-1330-99
Release Date:	12/20/1999
Substance Released:	Unknown
Release Status:	Open
Release Closed Date:	Not reported
Leak Number:	C-1331-99
Release Date:	12/21/1999
Substance Released:	Unknown
Release Status:	Open
Release Closed Date:	Not reported

UST:

Facility Type:	ACTIVE
Facility ID:	00013463
Facility Region:	1
Owner Name:	DETROIT DEPT OF TRANSPORTATION
Owner Address:	1301 E WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48207

DDOT GILBERT GARAGE (Continued) **U003322797**

Owner Contact:	Not reported
Owner Phone:	3138333000
Contact:	Boris Timarac
Contact Phone:	(313) 320-1381
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:	9
Capacity:	12000
Tank Status:	Closed in Ground
Substance:	Diesel
Install Date:	01/01/1946
Remove Date:	12/16/1999
Tank Number:	UTK-082442-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.35501
Longitude:	-83.08835

Facility Type:	ACTIVE
Facility ID:	00013463
Facility Region:	1
Owner Name:	DETROIT DEPT OF TRANSPORTATION
Owner Address:	1301 E WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48207
Owner Contact:	Not reported
Owner Phone:	3138333000
Contact:	Boris Timarac
Contact Phone:	(313) 320-1381
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:	8
Capacity:	50000
Tank Status:	Closed in Ground
Substance:	Diesel
Install Date:	01/01/1946
Remove Date:	12/16/1999

DDOT GILBERT GARAGE (Continued) **U003322797**

Tank Number:	UTK-082440-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.35501
Longitude:	-83.08835
Facility Type:	ACTIVE
Facility ID:	00013463
Facility Region:	1
Owner Name:	DETROIT DEPT OF TRANSPORTATION
Owner Address:	1301 E WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48207
Owner Contact:	Not reported
Owner Phone:	3138333000
Contact:	Boris Timarac
Contact Phone:	(313) 320-1381
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:	7
Capacity:	50000
Tank Status:	Closed in Ground
Substance:	Diesel
Install Date:	01/01/1946
Remove Date:	12/16/1999
Tank Number:	UTK-045086-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.35501
Longitude:	-83.08835
Facility Type:	ACTIVE
Facility ID:	00013463
Facility Region:	1
Owner Name:	DETROIT DEPT OF TRANSPORTATION
Owner Address:	1301 E WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48207

DDOT GILBERT GARAGE (Continued) **U003322797**

Owner Contact:	Not reported
Owner Phone:	3138333000
Contact:	Boris Timarac
Contact Phone:	(313) 320-1381
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:	6
Capacity:	12000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	05/06/1976
Remove Date:	12/17/1999
Tank Number:	UTK-082434-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.35501
Longitude:	-83.08835

Facility Type:	ACTIVE
Facility ID:	00013463
Facility Region:	1
Owner Name:	DETROIT DEPT OF TRANSPORTATION
Owner Address:	1301 E WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48207
Owner Contact:	Not reported
Owner Phone:	3138333000
Contact:	Boris Timarac
Contact Phone:	(313) 320-1381
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:	5
Capacity:	1000
Tank Status:	Removed from Ground
Substance:	Used Oil
Install Date:	05/06/1946
Remove Date:	12/20/1999

DDOT GILBERT GARAGE (Continued) **U003322797**

Tank Number:	UTK-082431-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.35501
Longitude:	-83.08835
Facility Type:	ACTIVE
Facility ID:	00013463
Facility Region:	1
Owner Name:	DETROIT DEPT OF TRANSPORTATION
Owner Address:	1301 E WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48207
Owner Contact:	Not reported
Owner Phone:	3138333000
Contact:	Boris Timarac
Contact Phone:	(313) 320-1381
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:	4
Capacity:	1000
Tank Status:	Closed in Ground
Substance:	Other(ENGINE/OIL)
Install Date:	05/06/1946
Remove Date:	12/21/1999
Tank Number:	UTK-004546-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.35501
Longitude:	-83.08835
Facility Type:	ACTIVE
Facility ID:	00013463
Facility Region:	1
Owner Name:	DETROIT DEPT OF TRANSPORTATION
Owner Address:	1301 E WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48207

DDOT GILBERT GARAGE (Continued) **U003322797**

Owner Contact:	Not reported
Owner Phone:	3138333000
Contact:	Boris Timarac
Contact Phone:	(313) 320-1381
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:	1000
Tank Status:	Closed in Ground
Substance:	Other(ENGINE/OIL)
Install Date:	05/06/1946
Remove Date:	12/21/1999
Tank Number:	UTK-007737-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Bare Steel
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.35501
Longitude:	-83.08835

Facility Type:	ACTIVE
Facility ID:	00013463
Facility Region:	1
Owner Name:	DETROIT DEPT OF TRANSPORTATION
Owner Address:	1301 E WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48207
Owner Contact:	Not reported
Owner Phone:	3138333000
Contact:	Boris Timarac
Contact Phone:	(313) 320-1381
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:	23
Capacity:	1000
Tank Status:	Currently In Use
Substance:	Used Oil
Install Date:	02/20/2001
Remove Date:	Not reported

DDOT GILBERT GARAGE (Continued) **U003322797**

Tank Number:	UTK-070231-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Automatic Tank Gauging,Interstital Monitoring Double Walled Tank/Piping,Inventory Control,Manual
Pipe Release Detection:	Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping,Line Tightness Testing,O
Piping Material:	Bare Steel,Double Walled
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Cathodically Protected Steel,Double Walled,Epoxy Coated Steel,Other
Impressed Device:	No
Latitude:	42.35501
Longitude:	-83.08835
Facility Type:	ACTIVE
Facility ID:	00013463
Facility Region:	1
Owner Name:	DETROIT DEPT OF TRANSPORTATION
Owner Address:	1301 E WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48207
Owner Contact:	Not reported
Owner Phone:	3138333000
Contact:	Boris Timarac
Contact Phone:	(313) 320-1381
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:	22
Capacity:	10000
Tank Status:	Currently In Use
Substance:	Diesel
Install Date:	01/01/1990
Remove Date:	Not reported
Tank Number:	UTK-070227-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Automatic Tank Gauging,Groundwater Monitoring,Interstital Monitoring Double Walled Tank/Piping,I
Pipe Release Detection:	Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping,Interstitial Monitoring Sec
Piping Material:	Double Walled,Fiberglass Reinforced Plastic
Piping Type:	Pressure (Remote)
Tank Construction:	Cathodically Protected Steel,Double Walled,Epoxy Coated Steel,Other
Impressed Device:	No
Latitude:	42.35501
Longitude:	-83.08835
Facility Type:	ACTIVE
Facility ID:	00013463
Facility Region:	1
Owner Name:	DETROIT DEPT OF TRANSPORTATION
Owner Address:	1301 E WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48207

DDOT GILBERT GARAGE (Continued) **U003322797**

Owner Contact:	Not reported
Owner Phone:	3138333000
Contact:	Boris Timarac
Contact Phone:	(313) 320-1381
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:	21
Capacity:	25000
Tank Status:	Currently In Use
Substance:	Diesel
Install Date:	04/26/2001
Remove Date:	Not reported
Tank Number:	UTK-070222-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Automatic Tank Gauging,Groundwater Monitoring,Interstital Monitoring Double Walled Tank/Piping,Ir
Pipe Release Detection:	Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping,Interstitial Monitoring Sec
Piping Material:	Double Walled,Fiberglass Reinforced Plastic
Piping Type:	Pressure (Remote)
Tank Construction:	Cathodically Protected Steel,Double Walled,Epoxy Coated Steel,Other
Impressed Device:	No
Latitude:	42.35501
Longitude:	-83.08835

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

Facility Type:	ACTIVE
Facility ID:	00013463
Facility Region:	1
Owner Name:	DETROIT DEPT OF TRANSPORTATION
Owner Address:	1301 E WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48207
Owner Contact:	Not reported
Owner Phone:	3138333000
Contact:	Boris Timarac
Contact Phone:	(313) 320-1381
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:	20
Capacity:	25000
Tank Status:	Currently In Use

DDOT GILBERT GARAGE (Continued) **U003322797**

Substance:	Diesel
Install Date:	04/26/2001
Remove Date:	Not reported
Tank Number:	UTK-070216-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Automatic Tank Gauging,Groundwater Monitoring,Interstital Monitoring Double Walled Tank/Piping,Ir
Pipe Release Detection:	Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping,Interstitial Monitoring Sec
Piping Material:	Double Walled,Fiberglass Reinforced Plastic
Piping Type:	Pressure (Remote)
Tank Construction:	Cathodically Protected Steel,Double Walled,Epoxy Coated Steel,Other
Impressed Device:	No
Latitude:	42.35501
Longitude:	-83.08835

INVENTORY:

Bea Number:	Not reported
Township:	Not reported
District:	Southeast MI
Data Source:	Part 213
Latitude:	42.35501
Longitude:	-83.08836

WDS:

Site Id:	MID985597145
WMD Id:	403715
Site Specific Name:	CITY OF DETROIT DEPT OF TRANSPORTATION
Mailing Address:	5600 WABASH ST
Mailing City/State/Zip:	48208
Mailing County:	WAYNE

T93 **URBCAMCOM/WDU I, LLC** **MI INVENTORY** **S108895993**
ENE **4830 CASS AVENUE** **MI BEA** **N/A**
1/4-1/2 **DETROIT, MI 48201**
0.426 mi.
2251 ft. **Site 2 of 7 in cluster T**

Relative: Higher

Actual: 627 ft.

INVENTORY:

Bea Number:	200703705LV
Township:	Detroit
District:	Southeast MI
Data Source:	BEA
Latitude:	Not reported
Longitude:	Not reported

BEA:

Secondary Address:	Not reported
BEA Number:	3705
District:	Southeast MI
Date Received:	11/06/2007
Submitter Name:	UrbCamCom/WSU I, LLC
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	No Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	thorntop
Division Assigned:	Environmental Response Division

U94
SE
1/4-1/2
0.430 mi.
2271 ft.

4231 THIRD STREET LLC
4231 THIRD STREET
WAYNE (County), MI 48201

Site 1 of 2 in cluster U

MI INVENTORY **S116710627**
N/A

Relative:
Lower

Actual:
619 ft.

INVENTORY:
Bea Number: 201405985LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

95
WNW
1/4-1/2
0.434 mi.
2291 ft.

FORMER INDUSTRIAL PROPERTIES
5736 ROSA PARKS BLVD.
DETROIT, MI 48208

MI INVENTORY **S112241468**
MI BEA **N/A**

Relative:
Higher

Actual:
629 ft.

INVENTORY:
Bea Number: 201205345LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

BEA:
Secondary Address: Not reported
BEA Number: 5345
District: Southeast MI
Date Received: 09/24/2012
Submitter Name: The Sha Realty Corporation
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: schlaufj
Division Assigned: RRD

U96
SE
1/4-1/2
0.441 mi.
2329 ft.

4225 THIRD STREET LLC
4225 THIRD STREET
WAYNE (County), MI 48201

Site 2 of 2 in cluster U

MI INVENTORY **S116710626**
N/A

Relative:
Lower

Actual:
620 ft.

INVENTORY:
Bea Number: 201405986LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

T97 **URBCAMCOM/WSU I, LLC** **MI INVENTORY** **S117977875**
East **4808 CASS AVENUE** **N/A**
1/4-1/2 **WAYNE (County), MI 48201**
0.446 mi.
2355 ft. **Site 3 of 7 in cluster T**

Relative:
Higher

Actual:
627 ft.

INVENTORY:

Bea Number:	201506576LV
Township:	Detroit
District:	Southeast MI
Data Source:	BEA
Latitude:	42.35515
Longitude:	-83.06561

T98 **URBAN CAMPUS COMMUNITIES** **US BROWNFIELDS** **1016353334**
East **4808 CASS AVENUE** **FINDS** **N/A**
1/4-1/2 **DETROIT, MI 48201**
0.446 mi.
2355 ft. **Site 4 of 7 in cluster T**

Relative:
Higher

Actual:
627 ft.

US BROWNFIELDS:

Property Name:	URBAN CAMPUS COMMUNITIES
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	02/2122-4
Parcel size:	.37
Latitude:	42.355193
Longitude:	-83.065660
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106366
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	15975
Assessment Funding Source:	Private/Other Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Urban Campus Communities
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	96550501
Start Date:	08/28/2008 00:00:00
Ownership Entity:	Private
Completion Date:	10/10/2008 00:00:00
Current Owner:	DILUIGI, VIRGINIA REVOC TRST
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N

URBAN CAMPUS COMMUNITIES (Continued) **1016353334**

Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported

URBAN CAMPUS COMMUNITIES (Continued) **1016353334**

Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The subject property consisted of residential property from at least the late 1880s to the mid- 1930s. An automobile maintenance garage was constructed on the southern portion of the subject property in 1921. This automotive repair garage was demolished and replaced with a gasoline filling station and automotive repair garage with a restaurant in the late 1920s. The northern residential structure was converted to commercial property in the late 1920s. All structures were demolished between the mid-1930s and the late-1980s, leaving vacant land. This vacant land was converted to a surface parking lot.
Below Poverty Number:	2260
Below Poverty Percent:	43.3%
Meidan Income:	3099
Meidan Income Number:	3343
Meidan Income Percent:	64.0%
Vacant Housing Number:	986
Vacant Housing Percent:	28.1%
Unemployed Number:	443
Unemployed Percent:	8.5%
Property Name:	URBAN CAMPUS COMMUNITIES
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	02/2122-4
Parcel size:	.37
Latitude:	42.355193
Longitude:	-83.065660
HCM Label:	Address Matching-House Number

URBAN CAMPUS COMMUNITIES (Continued) **1016353334**

Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106366
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	2200
Assessment Funding Source:	Private/Other Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Urban Campus Communities
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	96550501
Start Date:	06/13/2008 00:00:00
Ownership Entity:	Private
Completion Date:	07/30/2008 00:00:00
Current Owner:	DILUIGI, VIRGINIA REVOC TRST
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported

URBAN CAMPUS COMMUNITIES (Continued) **1016353334**

Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported

URBAN CAMPUS COMMUNITIES (Continued) **1016353334**

Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The subject property consisted of residential property from at least the late 1880s to the mid- 1930s. An automobile maintenance garage was constructed on the southern portion of the subject property in 1921. This automotive repair garage was demolished and replaced with a gasoline filling station and automotive repair garage with a restaurant in the late 1920s. The northern residential structure was converted to commercial property in the late 1920s. All structures were demolished between the mid-1930s and the late-1980s, leaving vacant land. This vacant land was converted to a surface parking lot.
Below Poverty Number:	2260
Below Poverty Percent:	43.3%
Meidan Income:	3099
Meidan Income Number:	3343
Meidan Income Percent:	64.0%
Vacant Housing Number:	986
Vacant Housing Percent:	28.1%
Unemployed Number:	443
Unemployed Percent:	8.5%

Property Name:	URBAN CAMPUS COMMUNITIES
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment
Property Number:	02/2122-4
Parcel size:	.37
Latitude:	42.355193
Longitude:	-83.065660
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106366
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	4250
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Supplemental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96550501
Start Date:	09/10/2008 00:00:00
Ownership Entity:	Private

URBAN CAMPUS COMMUNITIES (Continued) **1016353334**

Completion Date:	09/15/2008 00:00:00
Current Owner:	DILUIGI, VIRGINIA REVOC TRST
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported

URBAN CAMPUS COMMUNITIES (Continued) **1016353334**

Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The subject property consisted of residential property from at least the late 1880s to the mid- 1930s. An automobile maintenance garage was constructed on the southern portion of the subject property in 1921. This automotive repair garage was demolished and replaced with a gasoline filling station and automotive repair garage with a restaurant in the late 1920s. The northern residential structure was converted to commercial property in the late 1920s. All structures were demolished between the mid-1930s and the late-1980s, leaving vacant land. This vacant land was converted to a surface parking lot.
Below Poverty Number:	2260
Below Poverty Percent:	43.3%
Meidan Income:	3099
Meidan Income Number:	3343
Meidan Income Percent:	64.0%
Vacant Housing Number:	986
Vacant Housing Percent:	28.1%
Unemployed Number:	443
Unemployed Percent:	8.5%
Property Name:	URBAN CAMPUS COMMUNITIES
Recipient Name:	Detroit/Wayne County Port Authority
Grant Type:	Assessment

URBAN CAMPUS COMMUNITIES (Continued) **1016353334**

Property Number:	02/2122-4
Parcel size:	.37
Latitude:	42.355193
Longitude:	-83.065660
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	106366
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	600
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Supplemental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	96550501
Start Date:	09/22/2008 00:00:00
Ownership Entity:	Private
Completion Date:	Not reported
Current Owner:	DILUIGI, VIRGINIA REVOC TRST
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported

URBAN CAMPUS COMMUNITIES (Continued) **1016353334**

Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported

URBAN CAMPUS COMMUNITIES (Continued) **1016353334**

SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The subject property consisted of residential property from at least the late 1880s to the mid- 1930s. An automobile maintenance garage was constructed on the southern portion of the subject property in 1921. This automotive repair garage was demolished and replaced with a gasoline filling station and automotive repair garage with a restaurant in the late 1920s. The northern residential structure was converted to commercial property in the late 1920s. All structures were demolished between the mid-1930s and the late-1980s, leaving vacant land. This vacant land was converted to a surface parking lot.
Below Poverty Number:	2260
Below Poverty Percent:	43.3%
Meidan Income:	3099
Meidan Income Number:	3343
Meidan Income Percent:	64.0%
Vacant Housing Number:	986
Vacant Housing Percent:	28.1%
Unemployed Number:	443
Unemployed Percent:	8.5%

FINDS:

Registry ID: 110040214274

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

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

T99 **FORMER GAS STATION (FAC10000070)** **MI INVENTORY** **S120852141**
East **4808 CASS AVE.** **N/A**
1/4-1/2 **DETROIT, MI 48201**
0.446 mi.
2355 ft. **Site 5 of 7 in cluster T**

Relative:
Higher

Actual:
627 ft.

INVENTORY:

Bea Number:	Not reported
Township:	Not reported
District:	Southeast MI
Data Source:	Part 213
Latitude:	Not reported
Longitude:	Not reported

T100 **FORMER GAS STATION (FAC10000070)** **MI LUST** **S120622365**
East **4808 CASS AVE.** **N/A**
1/4-1/2 **DETROIT, MI 99999**
0.446 mi.
2355 ft. **Site 6 of 7 in cluster T**

Relative:
Higher

Actual:
627 ft.

LUST:

Facility ID:	50006014
Source:	Not reported
Owner Name:	Unknown
Owner Address:	Unknown
Owner City,St,Zip:	Unknown, MI 99999
Owner Contact:	Not reported
Owner Phone:	Not reported
Country:	USA
District:	Southeast MI
Site Name:	Former Gas Station (FAC10000070)
Latitude:	Not reported
Longitude:	Not reported
Date of Collection:	Not reported
Method of Collection:	Not reported
Accuracy:	Not reported
Accuracy Value Unit:	Not reported
Horizontal Data:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Leak Number:	C-0140-17
Release Date:	07/01/2015
Substance Released:	Gasoline,Gasoline,Gasoline,Gasoline,Gasoline
Release Status:	Open
Release Closed Date:	Not reported

T101 **UNION AT MIDTOWN** **MI INVENTORY** **S120852435**
East **4808 CASS AVENUE** **N/A**
1/4-1/2 **DETROIT, MI 48201**
0.446 mi.
2355 ft. **Site 7 of 7 in cluster T**

Relative:
Higher

Actual:
627 ft.

INVENTORY:

Bea Number:	Not reported
Township:	Detroit
District:	Southeast MI
Data Source:	Part 201
Latitude:	42.35515
Longitude:	-83.06561

V102 **HENRY FORD HEALTH SYSTEM** **MI INVENTORY** **S111832676**
NW **1800 ANTOINETTE STREET AND** **MI BEA** **N/A**
1/4-1/2 **DETROIT, MI 48208** **MI WDS**
0.448 mi.
2363 ft. **Site 1 of 2 in cluster V**

Relative:
Higher

Actual:
630 ft.

INVENTORY:

Bea Number:	201205129LV
Township:	Detroit
District:	Southeast MI
Data Source:	BEA
Latitude:	Not reported

HENRY FORD HEALTH SYSTEM (Continued) **S111832676**

Longitude: Not reported

BEA:
Secondary Address: 5829 Commonwealth Street
BEA Number: 5128
District: Southeast MI
Date Received: 03/21/2012
Submitter Name: Henry Ford Health System
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: schlaufj
Division Assigned: RD

Secondary Address: 5829 Commonwealth Street
BEA Number: 5129
District: Southeast MI
Date Received: 03/21/2012
Submitter Name: The Sha Realty Corporation
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: schlaufj
Division Assigned: RD

WDS:
Site Id: MIK396495269
WMD Id: 463538
Site Specific Name: GRAND TRUNK WESTERN RAILROAD
Mailing Address: 105 HAMPTON AVE
Mailing City/State/Zip: 49014
Mailing County: CALHOUN

W103 **H & H WHEEL** **MI INVENTORY** **S114030823**
WSW **5114 14TH STREET** **N/A**
1/4-1/2 **DETROIT, MI 48208**
0.450 mi.
2378 ft. **Site 1 of 2 in cluster W**

Relative:
Lower

Actual:
619 ft.

INVENTORY:
Bea Number: Not reported
Township: Detroit
District: Southeast MI
Data Source: Part 201
Latitude: 42.35088
Longitude: -83.0877

104
NNW
1/4-1/2
0.451 mi.
2382 ft.

UNIVERSAL LOFTS
5805 LINCOLN STREET
DETROIT, MI

MI INVENTORY **S114031654**
N/A

Relative:
Higher

Actual:
629 ft.

INVENTORY:
Bea Number: Not reported
Township: Detroit
District: Southeast MI
Data Source: Part 201
Latitude: 42.35974
Longitude: -83.08187

105
NW
1/4-1/2
0.456 mi.
2407 ft.

FORMER INDUSTRIAL PROPERTY
5781 COMMONWEALTH STREET
DETROIT, MI 48208

MI INVENTORY **S112241469**
MI BEA **N/A**

Relative:
Higher

Actual:
632 ft.

INVENTORY:
Bea Number: 201205336LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Bea Number: 201205337LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

BEA:
Secondary Address: Not reported
BEA Number: 5336
District: Southeast MI
Date Received: 09/24/2012
Submitter Name: The Sha Realty Corporation
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: schlaufj
Division Assigned: RRD

Secondary Address: Not reported
BEA Number: 5337
District: Southeast MI
Date Received: 09/24/2012
Submitter Name: Henry Ford Health System
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: schlaufj
Division Assigned: RRD

106
SE
1/4-1/2
0.456 mi.
2408 ft.

RESIDENTIAL PROPERTY
4145 4TH ST
DETROIT, MI 48201

MI LUST **S123111477**
MI INVENTORY **N/A**
MI WDS

Relative:
Lower

Actual:
619 ft.

LUST:

Facility ID:	00042766
Source:	Not reported
Owner Name:	Mr. Mahetem Gessese
Owner Address:	4145 4th Street
Owner City,St,Zip:	Detroit, MI 48201
Owner Contact:	Not reported
Owner Phone:	Not reported
Country:	USA
District:	Southeast MI
Site Name:	Historical Gas Station Site(FAC10000217)
Latitude:	Not reported
Longitude:	Not reported
Date of Collection:	Not reported
Method of Collection:	Not reported
Accuracy:	Not reported
Accuracy Value Unit:	Not reported
Horizontal Data:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported
Leak Number:	C-0264-18
Release Date:	11/29/2018
Substance Released:	Gasoline,Gasoline
Release Status:	Open
Release Closed Date:	Not reported

INVENTORY:

Bea Number:	Not reported
Township:	Not reported
District:	Southeast MI
Data Source:	Part 213
Latitude:	Not reported
Longitude:	Not reported

WDS:

Site Id:	MIK792575849
WMD Id:	497427
Site Specific Name:	RESIDENTIAL PROPERTY
Mailing Address:	4145 4TH ST
Mailing City/State/Zip:	48201
Mailing County:	WAYNE

X107
ESE
1/4-1/2
0.470 mi.
2482 ft.

CANFIELD LOFTS LLC
460 W CANFIELD ST
DETROIT, MI 48201

Site 1 of 5 in cluster X

MI SPILLS **1000232600**
RCRA NonGen / NLR **MID005367909**
FINDS
ECHO
MI BEA
MI WDS

Relative:
Lower

Actual:
623 ft.

PEAS:

Incident Date:	09/09/2013
Office Status:	AFTER HOURS
Initials of Incoming Operator:	ECR

CANFIELD LOFTS LLC (Continued) **1000232600**

Time Received by DNRE Staff:	12:48 AM
Time Occur:	Not reported
Date Of PEAS Call:	Not reported
Complainant / Company:	Not reported
Complainant Address:	UNSURE
Company Involved:	DETROIT INCINERATED - RESOURCE RECOVERY
DEQ Division Involved:	WAYNE
Incident Description:	THERE IS A VERY STRONG ODOR OF ROTTING GARBAGE, CAN SMELL IT FOR
Incident Description:	BLOCKS.
Incident Description:	Not reported
Incident Description:	Not reported
Description:	Not reported
Date Discovered:	9/9/2013
Time Discovered:	30
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

RCRA NonGen / NLR:

Date form received by agency:	12/31/1998
Facility name:	CANFIELD LOFTS LLC
Facility address:	460 W CANFIELD ST DETROIT, MI 48201
EPA ID:	MID005367909
Mailing address:	720 FOREST AVE BIRMINGHAM, MI 48009
Contact:	BILL VORHOFF
Contact address:	460 W CANFIELD ST DETROIT, MI 48201
Contact country:	US
Contact telephone:	313-833-6664
Contact email:	Not reported
EPA Region:	05
Land type:	Other land type
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported

CANFIELD LOFTS LLC (Continued) **1000232600**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1999
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
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: 01/01/1999
Owner/Op end date: Not reported

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

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

Historical Generators:
Date form received by agency: 12/23/1987
Site name: CANFIELD LOFTS LLC
Classification: Not a generator, verified

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

CANFIELD LOFTS LLC (Continued) **1000232600**

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/01/1992
Date achieved compliance: 07/09/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/01/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 12/01/1992
Date achieved compliance: 07/09/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/01/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/23/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 07/09/1993
Evaluation lead agency: State

Evaluation date: 11/23/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/09/1993
Evaluation lead agency: State

FINDS:

Registry ID: 110003581124

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.

CANFIELD LOFTS LLC (Continued) **1000232600**

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

ECHO:
- Envid: 1000232600
- Registry ID: 110003581124
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003581124

BEA:
- Secondary Address: Not reported
- BEA Number: 612
- District: Southeast MI
- Date Received: 05/11/1998
- Submitter Name: CANFIELD LOFTS, L.L.C.
- Petition Determination: Affirmed
- Petition Disclosure: 1
- Category: No Hazardous Substance(s)
- Determination 20107A: Affirmed
- Reviewer: williakt
- Division Assigned: Environmental Response Division

WDS:
- Site Id: MID005367909
- WMD Id: 393548
- Site Specific Name: CANFIELD LOFTS LLC
- Mailing Address: 720 FOREST AVE
- Mailing City/State/Zip: 48009
- Mailing County: OAKLAND

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108 **ASH STEVENS LLC** **MI INVENTORY** **S119009463**
North **5861 JOHN C LODGE FWY** **MI WDS** **N/A**
1/4-1/2 **DETROIT, MI 48202**
0.472 mi.
2492 ft.

Relative:
Higher

Actual:
629 ft.

INVENTORY:
- Bea Number: Not reported
- Township: Detroit
- District: Southeast MI
- Data Source: Part 201
- Latitude: 42.36116
- Longitude: -83.07863

WDS:
- Site Id: MID985643691
- WMD Id: 407269
- Site Specific Name: ASH STEVENS LLC
- Mailing Address: 18655 KRAUSE ST
- Mailing City/State/Zip: 48193
- Mailing County: WAYNE

W109 **H & H WHEEL SERVICE DET., INC** **MI LUST** **U003867976**
WSW **5111 14TH ST** **MI UST** **N/A**
1/4-1/2 **DETROIT, MI 48208** **MI INVENTORY**
0.477 mi.
2519 ft. **Site 2 of 2 in cluster W**

Relative:
Lower

Actual:
620 ft.

LUST:

Facility ID:	00034644
Source:	STATE OF MICHIGAN
Owner Name:	H & H Wheel Serv Inc
Owner Address:	32542 Dequindre Rd
Owner City,St,Zip:	Warren, MI 48092-1061
Owner Contact:	Not reported
Owner Phone:	(313) 896-2620
Country:	USA
District:	Southeast MI
Site Name:	H & H Wheel Service Det., Inc
Latitude:	42.35122
Longitude:	-83.08813
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-0755-91
Release Date:	04/18/1991
Substance Released:	Not reported
Release Status:	Open
Release Closed Date:	Not reported
Leak Number:	C-2511-90
Release Date:	11/26/1990
Substance Released:	Not reported
Release Status:	Open
Release Closed Date:	Not reported

UST:

Facility Type:	CLOSED
Facility ID:	00034644
Facility Region:	1
Owner Name:	H & H WHEEL SERV INC
Owner Address:	32542 DEQUINDRE RD
Owner City:	WARREN
Owner State:	MI
Owner Zip:	48092-1061
Owner Contact:	Not reported
Owner Phone:	3138962620
Contact:	RAY DANIELS
Contact Phone:	( ) -
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

H & H WHEEL SERVICE DET., INC (Continued) **U003867976**

District:	Region 1 - SE Michigan District Office
Tank ID:	1
Capacity:	6000
Tank Status:	Removed from Ground
Substance:	Other(FUEL OIL)
Install Date:	Not reported
Remove Date:	12/14/1992
Tank Number:	UTK-088347-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Unknown
Impressed Device:	Not reported
Latitude:	42.35122
Longitude:	-83.08813

INVENTORY:

Bea Number:	Not reported
Township:	Not reported
District:	Southeast MI
Data Source:	Part 213
Latitude:	42.35123
Longitude:	-83.08813

Y110 **DEPT OF PUBLIC SAFETY** **MI LUST** **U000268627**
NE **5454 CASS AVE** **MI UST** **N/A**
1/4-1/2 **DETROIT, MI 48202** **MI ASBESTOS**
0.478 mi. **MI WDS**
2524 ft. **Site 1 of 4 in cluster Y**

Relative: Higher
Actual: 630 ft.

LUST:

Facility ID:	00018538
Source:	STATE OF MICHIGAN
Owner Name:	Wayne State University
Owner Address:	5454 Cass Ave
Owner City,St,Zip:	Detroit, MI 48202
Owner Contact:	Facilities Planning & Management
Owner Phone:	(313) 577-4310
Country:	USA
District:	Southeast MI
Site Name:	Wayne State University Dps
Latitude:	42.35992
Longitude:	-83.06894
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-2644-91
Release Date:	12/07/1991
Substance Released:	Unknown,Unknown
Release Status:	Closed

DEPT OF PUBLIC SAFETY (Continued) **U000268627**

Release Closed Date: 11/08/1995

UST:

Facility Type:	CLOSED
Facility ID:	00018538
Facility Region:	1
Owner Name:	WAYNE STATE UNIVERSITY
Owner Address:	5454 CASS AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48202
Owner Contact:	Not reported
Owner Phone:	3135774310
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:	PS-1
Capacity:	1000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	05/09/1931
Remove Date:	02/06/1992
Tank Number:	UTK-036119-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Unknown
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Facility Type:	CLOSED
Facility ID:	00018538
Facility Region:	1
Owner Name:	WAYNE STATE UNIVERSITY
Owner Address:	5454 CASS AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48202
Owner Contact:	Not reported
Owner Phone:	3135774310
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

DEPT OF PUBLIC SAFETY (Continued) **U000268627**

Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	E-6
Capacity:	550
Tank Status:	Closed in Ground
Substance:	Gasoline
Install Date:	05/08/1950
Remove Date:	01/01/1983
Tank Number:	UTK-103318-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Facility Type:	CLOSED
Facility ID:	00018538
Facility Region:	1
Owner Name:	WAYNE STATE UNIVERSITY
Owner Address:	5454 CASS AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48202
Owner Contact:	Not reported
Owner Phone:	3135774310
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:	E-5
Capacity:	1000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	05/08/1950
Remove Date:	01/01/1983
Tank Number:	UTK-103316-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	Not reported

DEPT OF PUBLIC SAFETY (Continued) **U000268627**

Longitude:	Not reported
Facility Type:	CLOSED
Facility ID:	00018538
Facility Region:	1
Owner Name:	WAYNE STATE UNIVERSITY
Owner Address:	5454 CASS AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48202
Owner Contact:	Not reported
Owner Phone:	3135774310
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:	E-4
Capacity:	1000
Tank Status:	Closed in Ground
Substance:	Gasoline
Install Date:	05/08/1950
Remove Date:	01/01/1983
Tank Number:	UTK-017735-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Facility Type:	CLOSED
Facility ID:	00018538
Facility Region:	1
Owner Name:	WAYNE STATE UNIVERSITY
Owner Address:	5454 CASS AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48202
Owner Contact:	Not reported
Owner Phone:	3135774310
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

DEPT OF PUBLIC SAFETY (Continued) **U000268627**

Point Line Area:	Not reported
Desc Category:	Not reported
Method of Collection:	Not reported
District:	Not reported
Tank ID:	E-3
Capacity:	550
Tank Status:	Closed in Ground
Substance:	Diesel
Install Date:	05/08/1950
Remove Date:	01/01/1980
Tank Number:	UTK-002238-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Facility Type:	CLOSED
Facility ID:	00018538
Facility Region:	1
Owner Name:	WAYNE STATE UNIVERSITY
Owner Address:	5454 CASS AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48202
Owner Contact:	Not reported
Owner Phone:	3135774310
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:	E-2
Capacity:	5000
Tank Status:	Closed in Ground
Substance:	Other(#3 FUEL OIL)
Install Date:	05/08/1950
Remove Date:	01/01/1980
Tank Number:	UTK-103749-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	Not reported

DEPT OF PUBLIC SAFETY (Continued) **U000268627**

Longitude:	Not reported
Facility Type:	CLOSED
Facility ID:	00018538
Facility Region:	1
Owner Name:	WAYNE STATE UNIVERSITY
Owner Address:	5454 CASS AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48202
Owner Contact:	Not reported
Owner Phone:	3135774310
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:	E-1
Capacity:	1000
Tank Status:	Closed in Ground
Substance:	Other(#1 FUEL OIL)
Install Date:	05/08/1950
Remove Date:	01/01/1980
Tank Number:	UTK-049228-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	Not reported
Longitude:	Not reported

ASBESTOS:

Notification ID:	134942
Contractor Name:	Michigan Mechanical Abatement, Inc.
Project Number:	18-412
Notification Type and Date:	Regular 09/12/2018
Start Date:	09/24/2018
End Date:	09/26/2018
Linear Feet:	240
Square Feet:	Not reported

WDS:

Site Id:	MIR000041244
WMD Id:	413274
Site Specific Name:	WSU FACILITY PLANNING AND MANAGEMENT
Mailing Address:	OFFICE OF ENVIRONMENTAL HEALTH/SAFETY
Mailing City/State/Zip:	48202

DEPT OF PUBLIC SAFETY (Continued) **U000268627**

Mailing County: WAYNE

Y111 **DEPT OF PUBLIC SAFETY** **MI INVENTORY** **S122375147**
NE **5454 CASS AVE** **N/A**
1/4-1/2 **DETROIT, MI 48202**
0.478 mi.
2524 ft. **Site 2 of 4 in cluster Y**

Relative: Higher
Actual: 630 ft.

INVENTORY:
Bea Number: Not reported
Township: Not reported
District: Southeast MI
Data Source: Part 213
Latitude: 42.35993
Longitude: -83.06895

Z112 **FORMER INDUSTRIAL PROPERTIES** **MI BEA** **S112241467**
WNW **5736 AND 5784 ROSA PARKS BLVD.** **N/A**
1/4-1/2 **DETROIT, MI 48208**
0.479 mi.
2529 ft. **Site 1 of 2 in cluster Z**

Relative: Higher
Actual: 628 ft.

BEA:
Secondary Address: Not reported
BEA Number: 5344
District: Southeast MI
Date Received: 09/24/2012
Submitter Name: Henry Ford Health System
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: schlaufj
Division Assigned: RRD

Z113 **FORMER INDUSTRIAL PROPERTIES** **MI INVENTORY** **S114034775**
WNW **5736 AND 5784 ROSA PARKS BLVD.** **N/A**
1/4-1/2 **WAYNE (County), MI 48208**
0.479 mi.
2529 ft. **Site 2 of 2 in cluster Z**

Relative: Higher
Actual: 628 ft.

INVENTORY:
Bea Number: 201205344LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

V114
NW
1/4-1/2
0.481 mi.
2540 ft.

1750-1800 ANTOINETTE
DETROIT, MI

Site 2 of 2 in cluster V

MI BEA **S105768194**
N/A

Relative:
Higher

Actual:
628 ft.

BEA:

Secondary Address:	Not reported
BEA Number:	1437
District:	Southeast MI
Date Received:	07/20/2001
Submitter Name:	Avery Park Properties LLC
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	No Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	williakt
Division Assigned:	Environmental Response Division

115
WSW
1/4-1/2
0.486 mi.
2567 ft.

MECHANICS UNIFORM RENTAL CO
2244 W WARREN AVE
DETROIT, MI 48208

MI LUST **U003330223**
MI UST **N/A**
MI INVENTORY
MI WDS

Relative:
Lower

Actual:
618 ft.

LUST:

Facility ID:	00020846
Source:	STATE OF MICHIGAN
Owner Name:	Cintas Company
Owner Address:	2244 W Warren Ave
Owner City,St,Zip:	Detroit, MI 48208-2220
Owner Contact:	Not reported
Owner Phone:	800-272-4408
Country:	USA
District:	Southeast MI
Site Name:	Mechanics Uniform Rental Co
Latitude:	42.34953
Longitude:	-83.08756
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-1076-95
Release Date:	10/12/1995
Substance Released:	Gasoline,Unknown
Release Status:	Open
Release Closed Date:	Not reported

UST:

Facility Type:	CLOSED
Facility ID:	00020846
Facility Region:	1
Owner Name:	CINTAS COMPANY
Owner Address:	2244 W WARREN AVE
Owner City:	DETROIT
Owner State:	MI

MECHANICS UNIFORM RENTAL CO (Continued) **U003330223**

Owner Zip:	48208-2220
Owner Contact:	Not reported
Owner Phone:	8002724408
Contact:	MARTIN KAUFMANN
Contact Phone:	(313) 898-0079
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:	5
Capacity:	Not reported
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	Not reported
Remove Date:	11/13/2001
Tank Number:	UTK-017679-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Unknown
Impressed Device:	Not reported
Latitude:	42.34953
Longitude:	-83.08756

Facility Type:	CLOSED
Facility ID:	00020846
Facility Region:	1
Owner Name:	CINTAS COMPANY
Owner Address:	2244 W WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48208-2220
Owner Contact:	Not reported
Owner Phone:	8002724408
Contact:	MARTIN KAUFMANN
Contact Phone:	(313) 898-0079
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:	4
Capacity:	Not reported
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	Not reported

MECHANICS UNIFORM RENTAL CO (Continued) **U003330223**

Remove Date:	11/13/2001
Tank Number:	UTK-032088-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Unknown
Impressed Device:	Not reported
Latitude:	42.34953
Longitude:	-83.08756
Facility Type:	CLOSED
Facility ID:	00020846
Facility Region:	1
Owner Name:	CINTAS COMPANY
Owner Address:	2244 W WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48208-2220
Owner Contact:	Not reported
Owner Phone:	8002724408
Contact:	MARTIN KAUFMANN
Contact Phone:	(313) 898-0079
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:	Not reported
Tank Status:	Removed from Ground
Substance:	Not reported
Install Date:	03/01/1969
Remove Date:	07/26/1990
Tank Number:	UTK-104407-15
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:	42.34953
Longitude:	-83.08756
Facility Type:	CLOSED
Facility ID:	00020846
Facility Region:	1
Owner Name:	CINTAS COMPANY
Owner Address:	2244 W WARREN AVE
Owner City:	DETROIT
Owner State:	MI

MECHANICS UNIFORM RENTAL CO (Continued) **U003330223**

Owner Zip:	48208-2220
Owner Contact:	Not reported
Owner Phone:	8002724408
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:	2
Capacity:	Not reported
Tank Status:	Removed from Ground
Substance:	Other(#6 OIL)
Install Date:	03/01/1969
Remove Date:	11/13/2001
Tank Number:	UTK-036903-15
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:	Not reported
Longitude:	Not reported

Facility Type:	CLOSED
Facility ID:	00020846
Facility Region:	1
Owner Name:	CINTAS COMPANY
Owner Address:	2244 W WARREN AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48208-2220
Owner Contact:	Not reported
Owner Phone:	8002724408
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:	1
Capacity:	10000
Tank Status:	Removed from Ground
Substance:	Other(#6 OIL)
Install Date:	03/01/1969

MECHANICS UNIFORM RENTAL CO (Continued) **U003330223**

Remove Date:	11/13/2001
Tank Number:	UTK-104400-15
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:	Not reported
Longitude:	Not reported

INVENTORY:

Bea Number:	Not reported
Township:	Not reported
District:	Southeast MI
Data Source:	Part 213
Latitude:	42.34954
Longitude:	-83.08757

WDS:

Site Id:	MID088330097
WMD Id:	397698
Site Specific Name:	MECHANICS LAUNDRY CO
Mailing Address:	7601 CENTRAL ST
Mailing City/State/Zip:	48210
Mailing County:	WAYNE

Y116 **CAMPUS VILLAGE** **MI INVENTORY** **S114033134**
NE **5500 CASS AVENUE** **N/A**
1/4-1/2 **WAYNE (County), MI 48202**
0.489 mi.
2584 ft. **Site 3 of 4 in cluster Y**

Relative:
Higher

Actual:
629 ft.

INVENTORY:

Bea Number:	200201852LV
Township:	Detroit
District:	Southeast MI
Data Source:	BEA
Latitude:	Not reported
Longitude:	Not reported

Y117 **CAMPUS VILLAGE** **MI BEA** **S105768673**
NE **5500 CASS AVENUE** **N/A**
1/4-1/2 **DETROIT, MI 48202**
0.489 mi.
2584 ft. **Site 4 of 4 in cluster Y**

Relative:
Higher

Actual:
629 ft.

BEA:

Secondary Address:	Not reported
BEA Number:	1852
District:	Southeast MI
Date Received:	11/01/2002
Submitter Name:	Campus Village, Wayne State LLC
Petition Determination:	No Request

CAMPUS VILLAGE (Continued) **S105768673**

Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: williakt
Division Assigned: Environmental Response Division

X118 **DETROIT PUBLIC SCHOOLS - WILLIS A** **MI INVENTORY** **S118188646**
ESE **441 W. CANFIELD STREET** **N/A**
1/4-1/2 **WAYNE (County), MI 48201**
0.490 mi.
2589 ft. **Site 2 of 5 in cluster X**

Relative:
Lower

Actual:
622 ft.

INVENTORY:
Bea Number: 201506602LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Bea Number: 201506434LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

X119 **DETROIT PUBLIC SCHOOLS - WILLIS A** **MI INVENTORY** **S114033956**
ESE **441 W. CANFIELD AVE AND 488 W. WILLIS** **N/A**
1/4-1/2 **WAYNE (County), MI 48201**
0.490 mi.
2589 ft. **Site 3 of 5 in cluster X**

Relative:
Lower

Actual:
622 ft.

INVENTORY:
Bea Number: 200603157LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

X120 **WILLIS WAREHOUSE / DESIGN & CONSTRUCTION SERVICES** **MI LUST** **U000268526**
ESE **441 W CANFIELD ST** **MI UST** **N/A**
1/4-1/2 **DETROIT, MI 48201**
0.490 mi.
2589 ft. **Site 4 of 5 in cluster X**

Relative:
Lower

Actual:
622 ft.

LUST:
Facility ID: 00005462
Source: STATE OF MICHIGAN
Owner Name: Wayne State University
Owner Address: 5454 Cass Ave
Owner City,St,Zip: Detroit, MI 48202
Owner Contact: Facilities Planning & Management
Owner Phone: (313) 577-4310

WILLIS WAREHOUSE / DESIGN & CONSTRUCTION SERVICES (Continued) **U000268526**

Country:	USA
District:	Southeast MI
Site Name:	Detroit Public Schools - Willis A
Latitude:	42.35045
Longitude:	-83.06438
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-0107-06
Release Date:	07/24/2004
Substance Released:	Gasoline,Diesel,Waste Oil
Release Status:	Closed
Release Closed Date:	08/25/2010

Leak Number:	C-1529-85
Release Date:	04/07/1989
Substance Released:	Not reported
Release Status:	Closed
Release Closed Date:	08/22/2008

UST:

Facility Type:	CLOSED
Facility ID:	00005462
Facility Region:	1
Owner Name:	WAYNE STATE UNIVERSITY
Owner Address:	5454 CASS AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48202
Owner Contact:	Not reported
Owner Phone:	3135774310
Contact:	Ms Frances C Ahern RA
Contact Phone:	(313) 577-7657
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:	4
Capacity:	1000
Tank Status:	Removed from Ground
Substance:	Used Oil
Install Date:	Not reported
Remove Date:	07/21/2004
Tank Number:	UTK-119511-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Galvanized Steel

WILLIS WAREHOUSE / DESIGN & CONSTRUCTION SERVICES (Continued) **U000268526**

Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.35045
Longitude:	-83.06438

Facility Type:	CLOSED
Facility ID:	00005462
Facility Region:	1
Owner Name:	WAYNE STATE UNIVERSITY
Owner Address:	5454 CASS AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48202
Owner Contact:	Not reported
Owner Phone:	3135774310
Contact:	Ms Frances C Ahern RA
Contact Phone:	(313) 577-7657
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:	500
Tank Status:	Removed from Ground
Substance:	Used Oil
Install Date:	05/08/1961
Remove Date:	04/06/1992
Tank Number:	UTK-106456-15
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:	42.35045
Longitude:	-83.06438

Facility Type:	CLOSED
Facility ID:	00005462
Facility Region:	1
Owner Name:	WAYNE STATE UNIVERSITY
Owner Address:	5454 CASS AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48202
Owner Contact:	Not reported
Owner Phone:	3135774310
Contact:	Ms Frances C Ahern RA
Contact Phone:	(313) 577-7657
Date of Collection:	01/11/2001

WILLIS WAREHOUSE / DESIGN & CONSTRUCTION SERVICES (Continued) **U000268526**

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:	5000
Tank Status:	Removed from Ground
Substance:	Diesel
Install Date:	05/08/1963
Remove Date:	07/21/2004
Tank Number:	UTK-106450-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Automatic Tank Gauging
Pipe Release Detection:	Not reported
Piping Material:	Fiberglass Reinforced Plastic
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Composite (Steel With Fiberglass)
Impressed Device:	Not reported
Latitude:	42.35045
Longitude:	-83.06438

Facility Type:	CLOSED
Facility ID:	00005462
Facility Region:	1
Owner Name:	WAYNE STATE UNIVERSITY
Owner Address:	5454 CASS AVE
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48202
Owner Contact:	Not reported
Owner Phone:	3135774310
Contact:	Ms Frances C Ahern RA
Contact Phone:	(313) 577-7657
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:	6000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	05/08/1966
Remove Date:	07/21/2004
Tank Number:	UTK-106446-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Automatic Tank Gauging
Pipe Release Detection:	Not reported
Piping Material:	Fiberglass Reinforced Plastic

WILLIS WAREHOUSE / DESIGN & CONSTRUCTION SERVICES (Continued) **U000268526**

Piping Type:	Suction: No Valve at Tank
Tank Construction:	Composite (Steel With Fiberglass)
Impressed Device:	Not reported
Latitude:	42.35045
Longitude:	-83.06438

X121 **DETROIT PUBLIC SCHOOLS - WILLIS A** **MI BEA** **S108084506**
ESE **441 W. CANFIELD AVE AND 488 W. WILLIS** **N/A**
1/4-1/2 **DETROIT, MI 48201**
0.490 mi.
2589 ft. **Site 5 of 5 in cluster X**

Relative: **Lower**
Actual: **622 ft.**

BEA:

Secondary Address:	Not reported
BEA Number:	3157
District:	Southeast MI
Date Received:	05/26/2006
Submitter Name:	Willys Overland Lofts Limited Dividend
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	No Hazardous Substance(s)
Determination 20107A:	Denied
Reviewer:	schlaufj
Division Assigned:	Storage Tank Division

AA122 **COMMERCIAL OFFICE BUILDING** **MI INVENTORY** **S114033539**
ENE **60 WEST HANCOCK** **N/A**
1/4-1/2 **WAYNE (County), MI 48201**
0.497 mi.
2626 ft. **Site 1 of 2 in cluster AA**

Relative: **Higher**
Actual: **628 ft.**

INVENTORY:

Bea Number:	200803803LV
Township:	Detroit
District:	Southeast MI
Data Source:	BEA
Latitude:	Not reported
Longitude:	Not reported

AA123 **COMMERCIAL OFFICE BUILDING** **MI BEA** **S108986771**
ENE **60 WEST HANCOCK** **N/A**
1/4-1/2 **DETROIT, MI 48201**
0.497 mi.
2626 ft. **Site 2 of 2 in cluster AA**

Relative: **Higher**
Actual: **628 ft.**

BEA:

Secondary Address:	Not reported
BEA Number:	3803
District:	Southeast MI
Date Received:	02/08/2008
Submitter Name:	Board of Governors of Wayne State Univ.
Petition Determination:	No Request
Petition Disclosure:	0
Category:	No Hazardous Substance(s)
Determination 20107A:	No Request

COMMERCIAL OFFICE BUILDING (Continued) **S108986771**

Reviewer: thorntop
Division Assigned: Environmental Response Division

AB124 **CARACO PHARMACEUTICAL LABORATORIES (FORM** **MI INVENTORY** **S121466662**
NNW **1150 ELIJAH MCCOY DRIVE** **N/A**
1/4-1/2 **DETROIT, MI 48202**
0.498 mi.
2629 ft. **Site 1 of 2 in cluster AB**

Relative:
Higher

Actual:
631 ft.

INVENTORY:
Bea Number: Not reported
Township: Detroit
District: Southeast MI
Data Source: Part 201
Latitude: 42.3611
Longitude: -83.08073

AB125 **CARACO PHARMACEUTICAL LABORATORIES** **MI INVENTORY** **S121186653**
NNW **1150 ELIJAH MCCOY DRIVE** **N/A**
1/4-1/2 **WAYNE (County), MI 48202**
0.498 mi.
2629 ft. **Site 2 of 2 in cluster AB**

Relative:
Higher

Actual:
631 ft.

INVENTORY:
Bea Number: 201707782LV
Township: Detroit
District: Southeast MI
Data Source: BEA
Latitude: 42.3611
Longitude: -83.08073

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126 **GERI'S AUTO SERVICE** **MI LUST** **U003323281**
SE **3574 2ND AVE** **MI UST** **N/A**
1/2-1 **DETROIT, MI 48201** **MI PART 201**
0.778 mi. **MI WDS**
4110 ft.

Relative:
Lower

Actual:
618 ft.

LUST:
Facility ID: 00015274
Source: STATE OF MICHIGAN
Owner Name: Matt Tatrian
Owner Address: Po Box 12549
Owner City,St,Zip: Detroit, MI 48209
Owner Contact: Not reported
Owner Phone: (313) 721-0141
Country: USA
District: Southeast MI
Site Name: Mack's Service
Latitude: 42.34547
Longitude: -83.06330
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83

GERI'S AUTO SERVICE (Continued) **U003323281**

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

Leak Number: C-0318-01
Release Date: 05/21/2001
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 01/31/2002

UST:
Facility Type: CLOSED
Facility ID: 00015274
Facility Region: 1
Owner Name: MATT TATRIAN
Owner Address: PO BOX 12549
Owner City: DETROIT
Owner State: MI
Owner Zip: 48209
Owner Contact: Not reported
Owner Phone: 3137210141
Contact: GERI HANKE
Contact Phone: (313) 832-5151
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: 6
Capacity: 1000
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: Not reported
Remove Date: 05/22/2001
Tank Number: UTK-105919-15
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve at Tank
Tank Construction: Asphalt Coated or Bare Steel
Impressed Device: Not reported
Latitude: 42.34547
Longitude: -83.06330

Facility Type: CLOSED
Facility ID: 00015274
Facility Region: 1
Owner Name: MATT TATRIAN
Owner Address: PO BOX 12549
Owner City: DETROIT
Owner State: MI
Owner Zip: 48209
Owner Contact: Not reported
Owner Phone: 3137210141

GERI'S AUTO SERVICE (Continued) **U003323281**

Contact:	GERI HANKE
Contact Phone:	(313) 832-5151
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:	5
Capacity:	1000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	Not reported
Remove Date:	05/22/2001
Tank Number:	UTK-024202-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Not reported
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.34547
Longitude:	-83.06330

Facility Type:	CLOSED
Facility ID:	00015274
Facility Region:	1
Owner Name:	MATT TATRIAN
Owner Address:	PO BOX 12549
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48209
Owner Contact:	Not reported
Owner Phone:	3137210141
Contact:	GERI HANKE
Contact Phone:	(313) 832-5151
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:	4
Capacity:	500
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	Not reported
Remove Date:	05/21/2001
Tank Number:	UTK-105913-15
Tank Details Compartments:	Not reported

GERI'S AUTO SERVICE (Continued) **U003323281**

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,Lined Interior
Impressed Device:	Not reported
Latitude:	42.34547
Longitude:	-83.06330
Facility Type:	CLOSED
Facility ID:	00015274
Facility Region:	1
Owner Name:	MATT TATRIAN
Owner Address:	PO BOX 12549
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48209
Owner Contact:	Not reported
Owner Phone:	3137210141
Contact:	GERI HANKE
Contact Phone:	(313) 832-5151
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:	6000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	Not reported
Remove Date:	05/21/2001
Tank Number:	UTK-017920-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Inventory Control,Manual (Static) Tank Gauging
Pipe Release Detection:	Not reported
Piping Material:	Galvanized Steel
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Asphalt Coated or Bare Steel,Lined Interior
Impressed Device:	Not reported
Latitude:	42.34547
Longitude:	-83.06330
Facility Type:	CLOSED
Facility ID:	00015274
Facility Region:	1
Owner Name:	MATT TATRIAN
Owner Address:	PO BOX 12549
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48209
Owner Contact:	Not reported
Owner Phone:	3137210141

GERI'S AUTO SERVICE (Continued) **U003323281**

Contact:	GERI HANKE
Contact Phone:	(313) 832-5151
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:	6000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	Not reported
Remove Date:	05/21/2001
Tank Number:	UTK-002875-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Inventory Control,Manual (Static) Tank Gauging
Pipe Release Detection:	Not reported
Piping Material:	Galvanized Steel,Unknown
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Asphalt Coated or Bare Steel,Lined Interior
Impressed Device:	Not reported
Latitude:	42.34547
Longitude:	-83.06330

Facility Type:	CLOSED
Facility ID:	00015274
Facility Region:	1
Owner Name:	MATT TATRIAN
Owner Address:	PO BOX 12549
Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48209
Owner Contact:	Not reported
Owner Phone:	3137210141
Contact:	GERI HANKE
Contact Phone:	(313) 832-5151
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:	6000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	Not reported
Remove Date:	05/21/2001
Tank Number:	UTK-005932-15
Tank Details Compartments:	Not reported

GERI'S AUTO SERVICE (Continued) **U003323281**

Tank Release Detection:	Inventory Control,Manual (Static) Tank Gauging
Pipe Release Detection:	Not reported
Piping Material:	Galvanized Steel,Unknown
Piping Type:	Suction: No Valve at Tank
Tank Construction:	Asphalt Coated or Bare Steel,Lined Interior
Impressed Device:	Not reported
Latitude:	42.34547
Longitude:	-83.06330

PART 201:

Facility ID:	82001810
Facility Status:	**See Leaking Underground Storage Tank Site Database**
Source:	Gasoline Service Station
SAM Score:	17
SAM Score Date:	06/24/2004
Township:	Not reported
Range:	Not reported
Section:	Not reported
Quarter:	Not reported
Quarter/Quarter:	Not reported
Pollutants:	Not reported

WDS:

Site Id:	MIG000047007
WMD Id:	416274
Site Specific Name:	GERIS AUTO SERVICE
Mailing Address:	3574 2ND AVE
Mailing City/State/Zip:	48201
Mailing County:	WAYNE

Site Id:	MID000684720
WMD Id:	392413
Site Specific Name:	SUNOCO SERVICE STATION
Mailing Address:	3574 2ND AVE
Mailing City/State/Zip:	48201
Mailing County:	WAYNE

AC127 **CARTER INDUSTRIALS, INC.** **Delisted NPL** **1009967671**
SW **4690 HUMBOLDT** **SEMS** **MID980274179**
1/2-1 **DETROIT, MI 48208** **US ENG CONTROLS**
0.781 mi. **US INST CONTROL**
4125 ft. **Site 1 of 3 in cluster AC** **RCRA NonGen / NLR**
ROD
Relative: **LEAD SMELTERS**
Lower **NY MANIFEST**

Actual:
614 ft.

Delisted NPL:

EPA ID:	MID980274179
Site ID:	502729
EPA Region:	5
Federal:	No
Deleted Date:	1997-03-25 00:00:00
Latitude:	42.345281
Longitude:	-83.091668999999996

Category Details:

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

NPL Status: Deleted from the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 100

NPL Status: Deleted from the Final NPL
Category Description: Depth To Aquifer-<= 10 Feet
Category Value: 0

Site Details:
Site Name: CARTER INDUSTRIALS, INC.
Site Status: Deleted
Site Zip: 48208
Site City: DETROIT
Site State: MI
Federal Site: No
Site County: WAYNE
EPA Region: 05
Date Proposed: 06/24/88
Date Deleted: 3/25/1997
Date Finalized: 03/31/89

Substance Details:
NPL Status: Deleted from the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Deleted from the Final NPL
Substance ID: A046
Substance: POLYCHLORINATED BIPHENYLS
CAS #: 1336-36-3
Pathway: AIR PATHWAY
Scoring: 4

NPL Status: Deleted from the Final NPL
Substance ID: C629
Substance: AROCLOR 1260
CAS #: 11096-82-5
Pathway: AIR PATHWAY
Scoring: 2

NPL Status: Deleted from the Final NPL
Substance ID: C630
Substance: AROCLOR 1254
CAS #: 11097-69-1
Pathway: AIR PATHWAY
Scoring: 2

Summary Details:

Conditions at proposal June 24, 1988): Carter Industrials, Inc., operated an industrial scrap metal yard in Detroit, Wayne County, Michigan, during 1971-86. This 3.6-acre site is at the north end of Humboldt Road, which ends at the yard. On-site facilities include a furnace for melting aluminum, a furnace for melting copper, a brick warehouse, and an office

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

building. Numerous unsheltered piles of scrap metal and equipment are found throughout the yard. On July 3, 1984, a fire broke out on the west side of the property in an area of wooden pallets and scrap iron mounds. After noting several transformers in the area of the fire, the city asked the Michigan Department of Natural Resources MDNR) and the firemarshall s office to investigate potential exposure to PCBs in the transformer oil. Oil was found near the fire area and near the base of three large transformers. Other transformers on the west side proved to be empty. Four soil samples were taken from various locations, including near the office and 150 feet south of the end of Humboldt Road, to measure background levels. PCBs ranged from 31 to 2,430 parts per million. Except for the areas noted, no conclusive evidence of oil storage or dumping was discovered on the west side of the property. However, other areas were not investigated. A follow-up inspection by MDNR in May 1986 indicated serious environmental contamination at and around the site. Barrels of used PCB oil were stored on-site in and around scrap metal piles. Oil leaking from the barrels contained as much as 50 percent PCBs. Additional sampling in June 1986 indicated that contamination had spread well beyond the Carter Industrials property, including into backyards of nearby residences. The area is highly urbani ed, with 34,000 people living within 1 mile of the site. During June-October 1986, EPA used CERCLA emergency funds to carry out removal action at the site.Soil, air, and the interiors of nearby residences were extensively sampled. Private yards, streets, and alleys were cleaned with a high-power vacuum. Transformers and drums were removed to a facility regulated under the Toxic Substances Control Act. Soil and refuse were piled and stored on-site. Alleys and streets were repaved with 2 feet of asphalt, and the site was fenced. In October 1986, MDNR found PCBs in the sewer leaving the site and at the sewer outfall in the Detroit River. Status March 31, 1989): EPA s emergency program continues to maintain the repaved areas around the site. EPA is conducting a search to identify parties potentially responsible for wastes associated with the site. Noticeletters will then be sent to those identified informing them of their potential liability.

Site Status Details:

NPL Status:	Deleted
Proposed Date:	06/24/1988
Final Date:	03/31/1989
Deleted Date:	03/25/1997

Narratives Details:

NPL Name:	CARTER INDUSTRIALS, INC.
City:	DETROIT
State:	MI

SEMS:

Site ID:	0502729
EPA ID:	MID980274179
Cong District:	13
FIPS Code:	26163
Latitude:	42.345281
Longitude:	-83.091669
FF:	N
NPL:	Deleted from the Final NPL
Non NPL Status:	Not reported

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

SEMS Detail:

Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	01
Action Code:	TS
Action Name:	TRTSTUDY
SEQ:	1
Start Date:	1990-09-11 04:00:00
Finish Date:	12/18/1991
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1988-06-24 04:00:00
Finish Date:	6/24/1988
Qual:	H
Current Action Lead:	EPA Perf

Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	2
Start Date:	1988-10-11 04:00:00
Finish Date:	5/31/1989
Qual:	S
Current Action Lead:	EPA Perf

Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	1986-06-06 04:00:00

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Finish Date:	10/11/1988
Qual:	S
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	ND
Action Name:	DELETION
SEQ:	1
Start Date:	1996-12-30 05:00:00
Finish Date:	3/25/1997
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	MA
Action Name:	ST COOP
SEQ:	1
Start Date:	1988-12-30 05:00:00
Finish Date:	6/11/1996
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	HR
Action Name:	HAZRANK
SEQ:	1
Start Date:	1988-06-24 04:00:00
Finish Date:	6/24/1988
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	01
Action Code:	CO

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Action Name:	RI/FS
SEQ:	1
Start Date:	1989-05-31 04:00:00
Finish Date:	9/18/1991
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	CM
Action Name:	PCOR
SEQ:	1
Start Date:	1996-06-11 04:00:00
Finish Date:	6/11/1996
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	01
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1989-02-01 05:00:00
Finish Date:	3/25/1997
Qual:	E
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	1989-03-31 05:00:00
Finish Date:	3/31/1989
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	2
Start Date:	1992-04-05 05:00:00
Finish Date:	4/10/1992
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	1990-06-29 04:00:00
Finish Date:	9/21/1990
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	1991-09-18 04:00:00
Finish Date:	9/18/1991
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	1988-06-24 04:00:00
Finish Date:	6/24/1988
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502729

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

EPA ID: MID980274179
Site Name: CARTER INDUSTRIALS, INC.
NPL: D
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 2
Start Date: 1989-01-25 05:00:00
Finish Date: 3/25/1997
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0502729
EPA ID: MID980274179
Site Name: CARTER INDUSTRIALS, INC.
NPL: D
FF: N
OU: 00
Action Code: TU
Action Name: NOID
SEQ: 1
Start Date: 1996-12-30 05:00:00
Finish Date: 12/30/1996
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0502729
EPA ID: MID980274179
Site Name: CARTER INDUSTRIALS, INC.
NPL: D
FF: N
OU: 01
Action Code: BF
Action Name: PRP RA
SEQ: 1
Start Date: 1995-06-09 04:00:00
Finish Date: 6/26/1997
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 05
Site ID: 0502729
EPA ID: MID980274179
Site Name: CARTER INDUSTRIALS, INC.
NPL: D
FF: N
OU: 01
Action Code: BE
Action Name: PRP RD
SEQ: 1
Start Date: 1993-02-12 05:00:00
Finish Date: 6/9/1995
Qual: H
Current Action Lead: EPA Ovrsght

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	BB
Action Name:	PRP RV
SEQ:	1
Start Date:	1989-05-31 04:00:00
Finish Date:	6/9/1995
Qual:	C
Current Action Lead:	EPA Ovrsght

Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1986-06-06 04:00:00
Finish Date:	6/6/1986
Qual:	Not reported
Current Action Lead:	St Perf

Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	MA
Action Name:	ST COOP
SEQ:	2
Start Date:	1993-07-08 04:00:00
Finish Date:	10/13/2000
Qual:	Not reported
Current Action Lead:	St Perf

Region:	05
Site ID:	0502729
EPA ID:	MID980274179
Site Name:	CARTER INDUSTRIALS, INC.
NPL:	D
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1986-06-18 04:00:00
Finish Date:	6/18/1986

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Qual: H
Current Action Lead: St Perf

US ENG CONTROLS:
EPA ID: MID980274179
Site ID: 0502729
Name: CARTER INDUSTRIALS, INC.
Address: 4690 HUMBOLDT
DETROIT, MI 48208
EPA Region: 05
County: WAYNE
Event Code: Not reported
Actual Date: 03/31/1995
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: Explanation Of Significant Differences
Action Completion date: 09/25/1995
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Non-fundamental change (ESD)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/18/1991
Operable Unit: 01
Contaminated Media : Buildings/Structures
Engineering Control: Decontamination
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/18/1991
Operable Unit: 01
Contaminated Media : Buildings/Structures
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/18/1991
Operable Unit: 01
Contaminated Media : Debris
Engineering Control: Decontamination
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/18/1991
Operable Unit: 01
Contaminated Media : Debris
Engineering Control: Recycling
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/18/1991
Operable Unit: 01
Contaminated Media : Liquid Waste
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/18/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Bottom Liner: Clay
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/18/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Cap
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/18/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/18/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Excavation
Contact Name: Not reported

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/18/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Leachate Control
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/18/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Low Temperature Thermal Desorption
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/18/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Solidification/Stabilization (Ex-Situ)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: ROD Amendment
Action Completion date: 02/28/1995
Operable Unit: 01
Contaminated Media : Debris
Engineering Control: Decontamination
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: ROD Amendment
Action Completion date: 02/28/1995
Operable Unit: 01
Contaminated Media : Debris
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: ROD Amendment
Action Completion date: 02/28/1995
Operable Unit: 01

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Contaminated Media : Other
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: ROD Amendment
Action Completion date: 02/28/1995
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: ROD Amendment
Action Completion date: 02/28/1995
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Solidification/Stabilization (In-Situ)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

US INST CONTROL:
EPA ID: MID980274179
Site ID: 0502729
Name: CARTER INDUSTRIALS, INC.
Action Name: RECORD OF DECISION
Address: 4690 HUMBOLDT
DETROIT, MI 48208
EPA Region: 05
County: WAYNE
Event Code: Not reported
Inst. Control: Deed Restriction
Actual Date: 09/30/1991
Complet. Date: 09/18/1991
Operable Unit: 01
Contaminated Media : Soil
Contact Name : Not reported
Contact Phone and Ext : Not reported
Event Code Description: Not reported

RCRA NonGen / NLR:
Date form received by agency: 04/26/1999
Facility name: CARTER INDUSTRIAL ST COMMITTEE
Facility address: 4690 HUMBOLDT ST
DETROIT, MI 48208
EPA ID: MID980274179
Contact: CHRISTOPHER DENSKY
Contact address: 4690 HUMBOLDT ST
DETROIT, MI 48208
Contact country: US

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Contact telephone: 313-256-7872
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
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: 04/27/1999
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
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: 04/27/1999
Owner/Op end date: Not reported

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

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

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Historical Generators:
Date form received by agency: 07/22/1991
Site name: CARTER INDUSTRIAL ST COMMITTEE
Classification: Not a generator, verified

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

Violation Status: No violations found

ROD:
EPA ID: MID980274179
RG: 5
Site ID: 502729
Name: CARTER INDUSTRIALS, INC.
Action: GOVT Decision Document (ROD)
Operable Unit Number: SOURCE CONTROL-SOIL & BUILDNGS
SEQ ID: 1
Action Completion: 1991-09-18 00:00:00
NPL Status: Deleted
Non NPL Status: Not reported

EPA ID: MID980274179
RG: 5
Site ID: 502729
Name: CARTER INDUSTRIALS, INC.
Action: GOVT ESD
Operable Unit Number: SOURCE CONTROL-SOIL & BUILDNGS
SEQ ID: 1
Action Completion: 1995-09-25 00:00:00
NPL Status: Deleted
Non NPL Status: Not reported

EPA ID: MID980274179
RG: 5
Site ID: 502729
Name: CARTER INDUSTRIALS, INC.
Action: GOVT ROD Amendment
Operable Unit Number: SOURCE CONTROL-SOIL & BUILDNGS
SEQ ID: 1
Action Completion: 1995-02-28 00:00:00
NPL Status: Deleted
Non NPL Status: Not reported

Lead Smelter Sites:
Site ID: 502729
Facility Region Id: 5
Latitude: Not reported

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Longitude:	Not reported
CoC Ind:	Y
Contaminant Name:	CHLOROBENZENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	Y
Contaminant Name:	PCBs
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	Y
Contaminant Name:	1,2,4-TRICHLOROBENZENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	1,3-DICHLOROBENZENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

CoC Ind:	N
Contaminant Name:	COPPER
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	Y
Contaminant Name:	PYRENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	ETHYL METHYL BENZENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	PCBs
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	Y

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Contaminant Name:	PENTACHLOROBENZENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	Y
Contaminant Name:	BENZO[A]ANTHRACENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	BENZO[A]ANTHRACENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	CHLOROBENZENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	SELENIUM

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	Y
Contaminant Name:	1,3-DICHLOROBENZENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	BARIUM
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	DI-N-BUTYL PHTHALATE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	NICKEL
FF Ind:	N

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	PENTACHLOROBENZENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	Y
Contaminant Name:	CADMIUM
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	Y
Contaminant Name:	POLYCHLORINATED BIPHENYLS
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	1,2,4,5-TETRACHLOROBENZENE
FF Ind:	N
NAI:	N

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	PYRENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	ZINC
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	Y
Contaminant Name:	XYLENE (MIXED ISOMERS)
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	1,4-DICHLOROBENZENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	Y
Contaminant Name:	ARSENIC
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	XYLENE (MIXED ISOMERS)
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	Y
Contaminant Name:	LEAD
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	N
Contaminant Name:	1,2,4-TRICHLOROBENZENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported
Site ID:	502729
Facility Region Id:	5
Latitude:	Not reported
Longitude:	Not reported
CoC Ind:	Y
Contaminant Name:	1,4-DICHLOROBENZENE
FF Ind:	N
NAI:	N
Non-Primary Site-Sub Type:	Not reported
NPL:	Deleted from the Final NPL
Primary Site-Sub Type:	Batteries/scrap metals/secondary smelting/precious metal recovery (Recycling)
Special Initiative:	Not reported

NY MANIFEST:

Country:	USA
EPA ID:	MID980274179
Facility Status:	Not reported
Location Address 1:	4690 HUMBOLDT ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	DETROIT
Location State:	MI
Location Zip:	48226
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	MID980274179
Mailing Name:	CARTER INDUSTRIALS STEERING COMMITTEE
Mailing Contact:	BRUCE MC CONNEL
Mailing Address 1:	2000 SECOND AVE
Mailing Address 2:	Not reported
Mailing City:	DETROIT
Mailing State:	MI
Mailing Zip:	48226
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	3132377721

NY MANIFEST:

Document ID:	NYB7734654
Manifest Status:	C
seq:	Not reported
Year:	1996
Trans1 State ID:	NY80359V
Trans2 State ID:	Not reported
Generator Ship Date:	03/19/1996
Trans1 Recv Date:	03/19/1996
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/22/1996
Part A Recv Date:	03/29/1996
Part B Recv Date:	04/08/1996

CARTER INDUSTRIALS, INC. (Continued) **1009967671**

Generator EPA ID:	MID980274179
Trans1 EPA ID:	NYD982792814
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
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00227
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

AC128 **CARTER INDUSTRIAL ST COMMITTEE** **MI LUST** **1000704631**
SW **4690 HUMBOLDT AVE** **MI UST** **N/A**
1/2-1 **DETROIT, MI 48208** **MI INVENTORY**
0.781 mi. **PRP**
4125 ft. **Site 2 of 3 in cluster AC** **CONSENT**

Relative: LUST:
Lower

Facility ID:	00037657
Source:	STATE OF MICHIGAN
Owner Name:	MDNR - Office of Property Management (Tax Reverted)
Owner Address:	PO Box 30448
Owner City,St,Zip:	Lansing, MI 48909-7948
Owner Contact:	Patricia Simon
Owner Phone:	(517) 373-1252
Country:	USA
District:	Southeast MI
Site Name:	Carter Industrials Site
Latitude:	42.34568
Longitude:	-83.09169
Date of Collection:	01/11/2001
Method of Collection:	Address Matching-House Number
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Data:	NAD83

Actual:
614 ft.

CARTER INDUSTRIAL ST COMMITTEE (Continued) **1000704631**

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

Leak Number: C-0043-96
Release Date: 01/19/1996
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 03/21/1996

Leak Number: C-0163-96
Release Date: 03/18/1996
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

UST:
Facility Type: CLOSED
Facility ID: 00037657
Facility Region: 1
Owner Name: MDNR - OFFICE OF PROPERTY MANAGEMENT (TAX REVERTED)
Owner Address: PO BOX 30448
Owner City: LANSING
Owner State: MI
Owner Zip: 48909-7948
Owner Contact: Not reported
Owner Phone: 5173731252
Contact: BRUCE MCCONNELL
Contact Phone: (519) 889-0510
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: 900
Tank Status: Removed from Ground
Substance: Gasoline
Install Date: Not reported
Remove Date: 01/19/1996
Tank Number: UTK-066419-15
Tank Details Compartments: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Tank Construction: Asphalt Coated or Bare Steel
Impressed Device: Not reported
Latitude: 42.34568
Longitude: -83.09169

Facility Type: CLOSED
Facility ID: 00037657
Facility Region: 1
Owner Name: MDNR - OFFICE OF PROPERTY MANAGEMENT (TAX REVERTED)

CARTER INDUSTRIAL ST COMMITTEE (Continued) **1000704631**

Owner Address:	PO BOX 30448
Owner City:	LANSING
Owner State:	MI
Owner Zip:	48909-7948
Owner Contact:	Not reported
Owner Phone:	5173731252
Contact:	BRUCE MCCONNELL
Contact Phone:	(519) 889-0510
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:	2000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	Not reported
Remove Date:	01/19/1996
Tank Number:	UTK-047464-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Tank Construction:	Unknown
Impressed Device:	Not reported
Latitude:	42.34568
Longitude:	-83.09169

INVENTORY:

Bea Number:	Not reported
Township:	Not reported
District:	Southeast MI
Data Source:	Part 213
Latitude:	42.34569
Longitude:	-83.09169

PRP:

PRP Name:
CARTER INDUSTRIALS CORP.
CARTER, MYRNA
CARTER, MYRNA
CARTER, THOMAS
CHRYSLER CORPORATION
CHRYSLER CORPORATION
CHRYSLER CORPORATION
CHRYSLER CORPORATION
CITY OF BATTLE CREEK/MI
CITY OF DETROIT
CITY OF DETROIT
CITY OF DETROIT
CITY OF DETROIT, DEPT. OF PUBLIC LIGHTING

CARTER INDUSTRIAL ST COMMITTEE (Continued) **1000704631**

CLARK, JAMES
CLARK, JAMES
CONSUMERS ENERGY COMPANY
COTTER ELECTRIC
DETROIT DIESEL CORPORATION
DETROIT EDISON COMPANY
DETROIT EDISON COMPANY
DETROIT EDISON COMPANY
DETROIT EDISON, ATTN: MORTON STIRLING, DIR.
DETROIT EDISON, ATTN: WALTER J. MCCARTHY
DUBRINSKY, IRVING
DUBRINSKY, IRVING
ED LEVY COMPANY
ED LEVY COMPANY
FISCHER BODY
FORD MOTOR COMPANY
FORD MOTOR COMPANY
GENERAL ELECTRIC CO.
GENERAL MOTORS CORPORATION
GENERAL MOTORS CORPORATION
GORDON ELECTRIC
GORDON, DAVID
GORDON, MARY
J.E. BERGER CORPORATION
KAPP ENTERPRISES
KELSEY-HAYES COMPANY
KINGSLEY, DUEY
LEAR SIEGLER DIVERSIFIED HOLDINGS CORPORATION
M.C.K. INDUSTRIES, INC.
MEDSKER ELECTRIC, INC.
METRO CORRECTIONAL INST./CHICAGO
MICHIGAN BELL TELEPHONE
MINKIN CHANDLER
RIVER ELECTRIC CO. INC.
ROUGE STEEL COMPANY
ROUGE STEEL COMPANY
SHAW ELECTRIC CO. INC.
SHAW ELECTRIC CO. INC.
STANDARD LEAD CO. INC.
THE BUDD COMPANY
THOMAS GOODFELLOW TRUCKING
THOMAS GOODFELLOW TRUCKING
VOLKSWAGEN OF AMERICA, INC.
W.C. ELECTRIC CO.
W.C. ELECTRIC CO.

CONSENT:

EPA ID:	MID980274179
Site ID:	Not reported
Case Title:	U.S. V. BUDD COMPANY
Court Num:	93-70202
District:	Michigan, East
Entered Date:	19950522
Name:	CARTER INDUSTRIES
Address:	4690 HUMBOLDT AVE
City:	DETROIT
County:	WAYNE

CARTER INDUSTRIAL ST COMMITTEE (Continued) **1000704631**

State: MI
Zip: 48208

EPA ID: MID980274179
Site ID: Not reported
Case Title: U.S. V. CHRYSLER CORPORATION, ET AL.
Court Num: 93-70202
District: Michigan, East
Entered Date: 19930604
Name: CARTER INDUSTRIALS SITE
Address: 4690 HUMBOLDT AVE
City: DETROIT
County: WAYNE
State: MI
Zip: 48208

AC129 **CARTER INDUSTRIALS, INC** **MI BROWNFIELDS** **S108417575**
SW **4690 HUMBOLDT** **MI DEL PART 201** **N/A**
1/2-1 **DETROIT, MI 48208** **MI WDS**
0.781 mi.
4125 ft. **Site 3 of 3 in cluster AC**

Relative:
Lower

Actual:
614 ft.

BROWNFIELDS:
Facility ID: Not reported
Region: 1
Status: Not reported
Properry Use: Not reported
BEA: No
Ernie Id Number: 82000005

DEL_PART201:
Facility ID: 82000005
Status: Delisted - no longer meets criteria specified in rules

WDS:
Site Id: MID980274179
WMD Id: 399019
Site Specific Name: CARTER INDUSTRIAL ST COMMITTEE
Mailing Address: 4690 HUMBOLDT ST
Mailing City/State/Zip: 48208
Mailing County: WAYNE

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130 **65 PIQUETTE PROPERTY** **MI BROWNFIELDS** **S106096546**
NNE **65 PIQUETTE ST** **MI PART 201** **N/A**
1/2-1 **DETROIT, MI 48202** **MI INVENTORY**
0.870 mi. **MI BEA**
4592 ft. **MI WDS**

Relative:
Higher

Actual:
633 ft.

BROWNFIELDS:
Facility ID: Not reported
Region: 1
Status: Not reported
Properry Use: Not reported
BEA: No
Ernie Id Number: 82001639

65 PIQUETTE PROPERTY (Continued) **S106096546**

PART 201:
Facility ID: 82001639
Facility Status: **Interim Response conducted - No further activities anticipated**
Source: Commercial Printing
SAM Score: 17
SAM Score Date: 11/12/2004
Township: Not reported
Range: Not reported
Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported

INVENTORY:
Bea Number: Not reported
Township: temptownship
District: Southeast MI
Data Source: Part 201
Latitude: 42.36656
Longitude: -83.06987

BEA:
Secondary Address: Not reported
BEA Number: 2162
District: Southeast MI
Date Received: 11/19/2003
Submitter Name: 65 Piquette LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: williakt
Division Assigned: Environmental Response Division

WDS:
Site Id: MIR000047613
WMD Id: 413909
Site Specific Name: REMEDIATION & REDEVELOPMENT DIV/PIQUETTE AVE SITE
Mailing Address: 65 PIQUETTE ST
Mailing City/State/Zip: 48202
Mailing County: WAYNE

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131 SW 1/2-1 0.939 mi. 4958 ft.
Relative: Lower
Actual: 612 ft.

LAWTON AVENUE SITE
4445 LAWTON ST
DETROIT, MI 48208

MI UST **1002944099**
MI BROWNFIELDS **N/A**
MI INVENTORY
MI PART 201
MI LIENS
MI AIRS
MI WDS

UST:
Facility Type: CLOSED
Facility ID: 00040670
Facility Region: 1
Owner Name: MDEQ - DETROIT OFFCE
Owner Address: 3058 W GRAND BLVD SUITE 2300

LAWTON AVENUE SITE (Continued) **1002944099**

Owner City:	DETROIT
Owner State:	MI
Owner Zip:	48202
Owner Contact:	Not reported
Owner Phone:	3134564669
Contact:	ED NOVAK
Contact Phone:	(313) 392-6527
Date of Collection:	Not reported
Accuracy:	15
Horizontal Datum:	NAD83
Accuracy Value Unit:	METERS
Source:	STATE OF MICHIGAN
Point Line Area:	POINT
Desc Category:	Not reported
Method of Collection:	Interpolation-Map
District:	Region 1 - SE Michigan District Office
Tank ID:	1
Capacity:	350
Tank Status:	Removed from Ground
Substance:	Other(UNK)
Install Date:	Not reported
Remove Date:	01/31/2001
Tank Number:	UTK-039860-15
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Not reported
Piping Type:	Not reported
Tank Construction:	Asphalt Coated or Bare Steel
Impressed Device:	Not reported
Latitude:	42.34286
Longitude:	-83.09218

BROWNFIELDS:

Facility ID:	Not reported
Region:	1
Status:	Not reported
Properry Use:	Not reported
BEA:	No
Ernie Id Number:	82001560

INVENTORY:

Bea Number:	Not reported
Township:	Detroit
District:	Southeast MI
Data Source:	Part 201
Latitude:	42.38677
Longitude:	-83.27543

PART 201:

Facility ID:	82001560
Facility Status:	**Interim Response conducted - No further activities anticipated**
Source:	Heating Equipment
SAM Score:	33
SAM Score Date:	08/17/2004
Township:	02S

LAWTON AVENUE SITE (Continued) **1002944099**

Range: 11E
Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Pb; PCB's; Chlorinated solvents; PNAs

LIENS:
Facility Township: Not reported
Lot Number: 41-58, Out Lot 8,
Section: Not reported
Township: Not reported
Range: Not reported
Tax Code: Not reported
Other Description: Plat of RR Concessions, PC 729

AIRS:
State Registration Number: M4570
Naics Code: Not reported
Contact Email: Not reported
Contact Name: Not reported
Contact Phone: Not reported
Contact Address: (same as site address)
Contact City,St,Zip: Not reported
Permit Number: C-7338
Date Received: 11/19/1986
Application Reason: GAS-FIRED ALUMINUM REVERBERATORY FURNACE WITH BAGHOUSE
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
Facility Status Code: Not reported
Facility Status: Active
Supplemental Location Text: Not reported
Business Name: Not reported
Principal Product: Not reported
Principal Product Description: Not reported
UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported
UTM Horizontal Coord: Not reported
UTM Vertical Coord: Not reported
Mailing Name: Not reported
Mailing Contact Person: Not reported
Mailing Street: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported
Mailing Zip 4 Extension: Not reported
Compliance Person: Not reported
Compliance Area Code: Not reported
Compliance Phone Number: Not reported
Emission Inventory Contact Person: Not reported
EI Contact Area Code: Not reported
EI Contact Phone Number: Not reported
Permit Contact Person: Not reported
Permit Contact Person Area Code: Not reported
Permit Contact Person Phone Number: Not reported

LAWTON AVENUE SITE (Continued) **1002944099**

Federal Employer Id Number: Not reported
Of Employees: Not reported
Reporting Year: Not reported
Date Record Was Created: Not reported

WDS:
Site Id: MID065573495
WMD Id: 396774
Site Specific Name: LAWTON SITE-HOSKINS MFG CO
Mailing Address: 4445 LAWTON ST
Mailing City/State/Zip: 48208
Mailing County: WAYNE

132
NNE
1/2-1
0.952 mi.
5027 ft.

STUDEBAKER CORPORATION (FORMER) **MI BROWNFIELDS** **S107135840**
6230 JOHN R. ROAD **MI PART 201** **N/A**
DETROIT, MI 48202 **MI INVENTORY**

Relative:
Higher

Actual:
634 ft.

BROWNFIELDS:
Facility ID: Not reported
Region: 1
Status: Not reported
Properry Use: Not reported
BEA: No
Ernie Id Number: 82001585

PART 201:
Facility ID: 82001585
Facility Status: **Inactive - no actions taken to address contamination**
Source: Nonclassifiable Establishments
SAM Score: 21
SAM Score Date: 03/19/2004
Township: Not reported
Range: Not reported
Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported

INVENTORY:
Bea Number: Not reported
Township: Detroit
District: Southeast MI
Data Source: Part 201
Latitude: 42.36849
Longitude: -83.0683

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DETROIT	S103594610	ST. ANNE'S GATE PROPERTIES	16TH & 18TH STREET OF LAFAYETT	48216	MI PART 201, MI DEL PART 201
DETROIT	1015731331	EUCLID STREET DETROIT WINDSHIELD S	ECULID STREET AND 2ND AVE	48202	SEMS
DETROIT	1003872815	PALMER AND BRUSH STREET DRUMS	302 PALMER STREET	48202	SEMS-ARCHIVE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/15/2019
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 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

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

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
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: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/15/2019
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: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/15/2019
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 know 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: 02/06/2019
Date Data Arrived at EDR: 02/15/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 28

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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: 02/06/2019
Date Data Arrived at EDR: 02/15/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 28

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 04/29/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 10/17/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 43

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
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: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 02/04/2019
Date Data Arrived at EDR: 02/08/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 28

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
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: Dept of Environmental Quality
Telephone: 517-284-5103
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
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: 01/11/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/22/2019
Number of Days to Update: 66

Source: Dept of Environmental Quality
Telephone: 517-335-4035
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 01/07/2019
Date Data Arrived at EDR: 02/13/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 36

Source: Dept of Environmental Quality
Telephone: 517-373-9837
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Annually

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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

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

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
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: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/12/2019
Next Scheduled EDR Contact: 07/22/2019
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: 02/06/2019
Date Data Arrived at EDR: 02/13/2019
Date Made Active in Reports: 03/25/2019
Number of Days to Update: 40
Source: Department of Licensing & Regulatory Affairs
Telephone: 517-373-1820
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Annually

UST 2: Underground Storage Tank Listing
A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/27/2018
Number of Days to Update: 63
Source: Department of Licensing & Regulatory Affairs
Telephone: 517-373-1820
Last EDR Contact: 04/15/2019
Next Scheduled EDR Contact: 07/29/2019
Data Release Frequency: Varies

AST: Aboveground Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 01/15/2019
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 03/25/2019
Number of Days to Update: 60
Source: Department of Licensing & Regulatory Affairs
Telephone: 517-373-1820
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

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

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 02/04/2019
Number of Days to Update: 62
Source: Dept of Environmental Quality
Telephone: 517-373-4828
Last EDR Contact: 02/25/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

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

Date of Government Version: 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: 03/25/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Varies

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

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: 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: Dept of Environmental Quality
Telephone: 517-373-4805
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
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, Detrot Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 01/24/2019
Date Data Arrived at EDR: 01/25/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 55
Source: Economic Development Corporation
Telephone: 888-522-0103
Last EDR Contact: 01/23/2019
Next Scheduled EDR Contact: 05/06/2019
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.

Date of Government Version: 12/17/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/19/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities
A listing of recycling center locations.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/16/2018
Date Made Active in Reports: 01/26/2018
Number of Days to Update: 10

Source: Dept of Environmental Quality
Telephone: 517-241-5719
Last EDR Contact: 03/21/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Varies

HIST LF: Inactive Solid Waste Facilities
The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Dept of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/13/2019
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: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
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 Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 05/13/2019
Data Release Frequency: Varies

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: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
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 Environmental Quality
Telephone: 517-284-5103
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
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: 01/22/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 57

Source: Department of Environmental Quality
Telephone: 517-284-5136
Last EDR Contact: 01/23/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 11/14/2018
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 45

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/05/2019
Data Release Frequency: No Update Planned

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: Dept of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
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: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Quarterly

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: 11/02/2018
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 63

Source: Dept of Environmental Quality
Telephone: 517-241-7603
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
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.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 05/06/2019
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: 02/08/2019
Date Data Arrived at EDR: 02/08/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 41

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
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: 12/31/2018
Date Data Arrived at EDR: 01/25/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 55

Source: Dept of Environmental Quality
Telephone: 517-373-8427
Last EDR Contact: 01/23/2019
Next Scheduled EDR Contact: 05/06/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 04/03/2019
Next Scheduled EDR Contact: 06/03/2019
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: 04/12/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

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

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/12/2019
Next Scheduled EDR Contact: 07/22/2019
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
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/27/2019
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: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
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
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
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
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/22/2019
Next Scheduled EDR Contact: 07/01/2019
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: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

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: 02/01/2019
Date Data Arrived at EDR: 02/14/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

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

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 36

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/14/2018
Date Data Arrived at EDR: 10/11/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 57

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2019
Next Scheduled EDR Contact: 07/22/2019
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
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/08/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Quarterly

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: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

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

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

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

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 06/17/2019
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: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
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: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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.

Date of Government Version: 01/02/2019
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/02/2019
Next Scheduled EDR Contact: 07/15/2019
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 Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 51

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
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: 12/31/2018
Date Data Arrived at EDR: 02/11/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 38

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/22/2019
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: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Biennially

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: 04/11/2019
Next Scheduled EDR Contact: 07/22/2019
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: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
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: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/15/2019
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 1931and 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.

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

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: 11/27/2018
Date Data Arrived at EDR: 02/27/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 33

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
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: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
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: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
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.

Date of Government Version: 09/10/2018
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 Interior
Telephone: 202-208-2609
Last EDR Contact: 03/21/2019
Next Scheduled EDR Contact: 06/24/2019
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: 02/15/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 10

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/03/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/09/2019
Next Scheduled EDR Contact: 07/22/2019
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: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

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: 04/15/2019
Next Scheduled EDR Contact: 07/29/2019
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: 02/19/2019
Date Data Arrived at EDR: 02/21/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 39
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

AIRS: Permit and Emissions Inventory Data
Permit and emissions inventory data.

Date of Government Version: 12/18/2018
Date Data Arrived at EDR: 12/19/2018
Date Made Active in Reports: 02/04/2019
Number of Days to Update: 47
Source: Dept of Environmental Quality
Telephone: 517-373-7074
Last EDR Contact: 04/01/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing
Asbestos

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 01/04/2019
Date Made Active in Reports: 02/04/2019
Number of Days to Update: 31
Source: Department of Licensing & Regulatory Affairs
Telephone: 517-284-7699
Last EDR Contact: 03/04/2019
Next Scheduled EDR Contact: 05/11/2019
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: Dept of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
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: 10/20/2016
Date Data Arrived at EDR: 02/02/2017
Date Made Active in Reports: 04/20/2017
Number of Days to Update: 77
Source: Dept of Environmental Quality
Telephone: 586-753-3754
Last EDR Contact: 04/01/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments
A listing of drycleaning facilities in Michigan.

Date of Government Version: 01/15/2019
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Dept of Environmental Quality
Telephone: 517-335-4586
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 72

Source: Dept of Environmental Quality
Telephone: 517-335-6610
Last EDR Contact: 04/01/2019
Next Scheduled EDR Contact: 07/15/2019
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: 02/19/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/22/2019
Number of Days to Update: 28

Source: Dept of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Varies

FINANCIAL ASSURANCE 3: Financial Assurance Information Listing

Financial assurance information for underground storage tank facilities.

Date of Government Version: 08/24/2017
Date Data Arrived at EDR: 08/24/2017
Date Made Active in Reports: 10/27/2017
Number of Days to Update: 64

Source: Department of Licensing & Regulatory Affairs
Telephone: 517-335-7279
Last EDR Contact: 04/01/2019
Next Scheduled EDR Contact: 07/15/2019
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: 09/15/2015
Date Data Arrived at EDR: 09/16/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 14

Source: Department of Community Health
Telephone: 517-335-9699
Last EDR Contact: 03/28/2019
Next Scheduled EDR Contact: 06/17/2019
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: 08/16/2018
Date Data Arrived at EDR: 10/03/2018
Date Made Active in Reports: 10/26/2018
Number of Days to Update: 23

Source: Dept of Environmental Quality
Telephone: 517-241-1300
Last EDR Contact: 04/03/2019
Next Scheduled EDR Contact: 07/15/2019
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: 01/29/2019
Date Data Arrived at EDR: 01/30/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 61

Source: Dept of Environmental Quality
Telephone: 517-241-1515
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
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: 02/19/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 30

Source: Dept of Environmental Quality
Telephone: 517-284-6562
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 06/03/2019
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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Environmental Quality
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 Environmental Quality
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 Environmental Quality
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.

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: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/04/2019
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/10/2019
Next Scheduled EDR Contact: 07/22/2019
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: 01/30/2019
Date Made Active in Reports: 02/14/2019
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/30/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/15/2019
Next Scheduled EDR Contact: 07/29/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/11/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WSU PARKING LOT PROPERTY
W WARREN AVENUE
DETROIT, MI 48202

TARGET PROPERTY COORDINATES

Latitude (North):	42.35361 - 42° 21' 13.00''
Longitude (West):	83.07685 - 83° 4' 36.66''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	328947.5
UTM Y (Meters):	4690913.5
Elevation:	624 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6066264 DETROIT, 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).

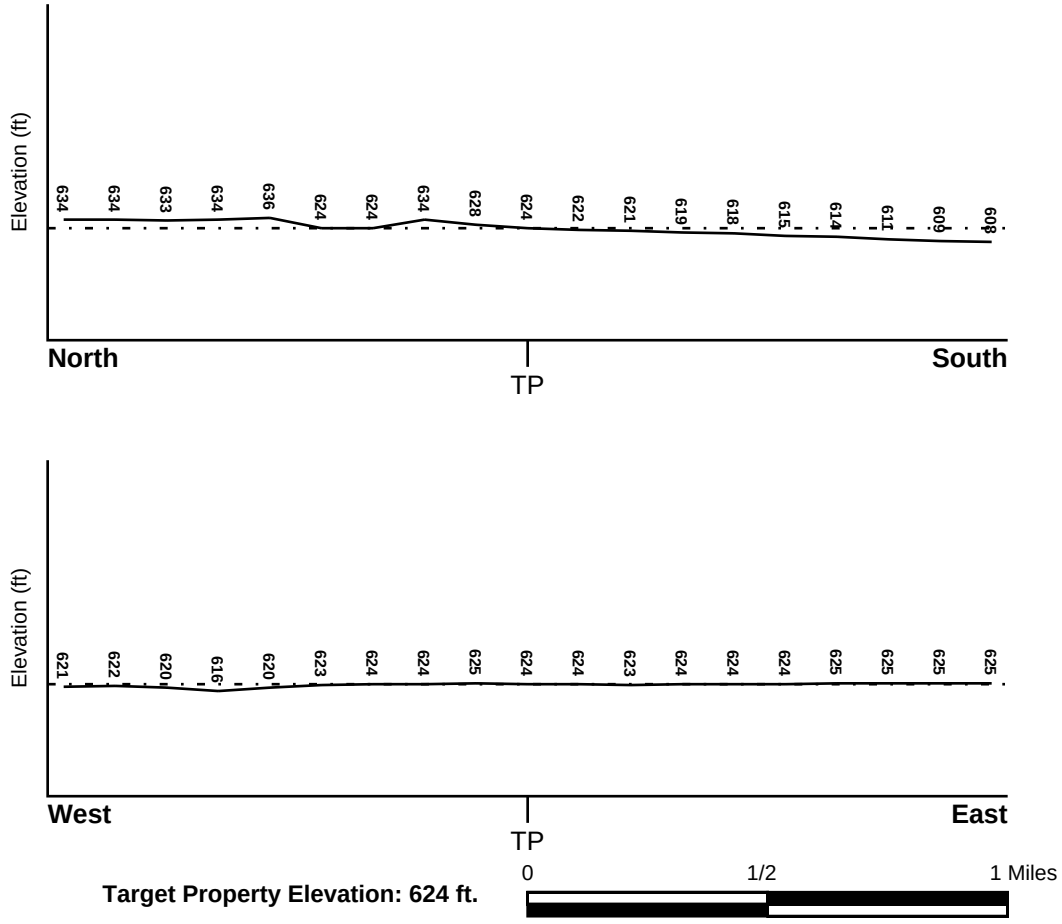
TOPOGRAPHIC INFORMATION

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 South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
26163C0280E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
26163C0285E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
DETROIT	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
Location Relative to TP:	1/2 - 1 Mile SW
Site Name:	Forest Humboldt Dumping
Site EPA ID Number:	MID985580471
Groundwater Flow Direction:	NOT AVAILABLE.
Inferred Depth to Water:	not available.
Hydraulic Connection:	An aquifer that is present at a depth of approximately 50 feet is overlain by a clay layer.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/8 - 1/4 Mile SW	NNW

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
3	1/2 - 1 Mile East	Varies
1G	1/2 - 1 Mile East	Varies
2G	1/8 - 1/4 Mile SW	NNW

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:	Devonian
Series:	Middle Devonian
Code:	D2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBANLAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	60 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: clay loam
loamy fine sand
loamy sand

Surficial Soil Types: clay loam
loamy fine sand
loamy sand

Shallow Soil Types: sand
silty clay

Deeper Soil Types: silt loam
sand
clay loam
silty clay

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	MI6320951	1/2 - 1 Mile SW

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

STATE DATABASE WELL INFORMATION

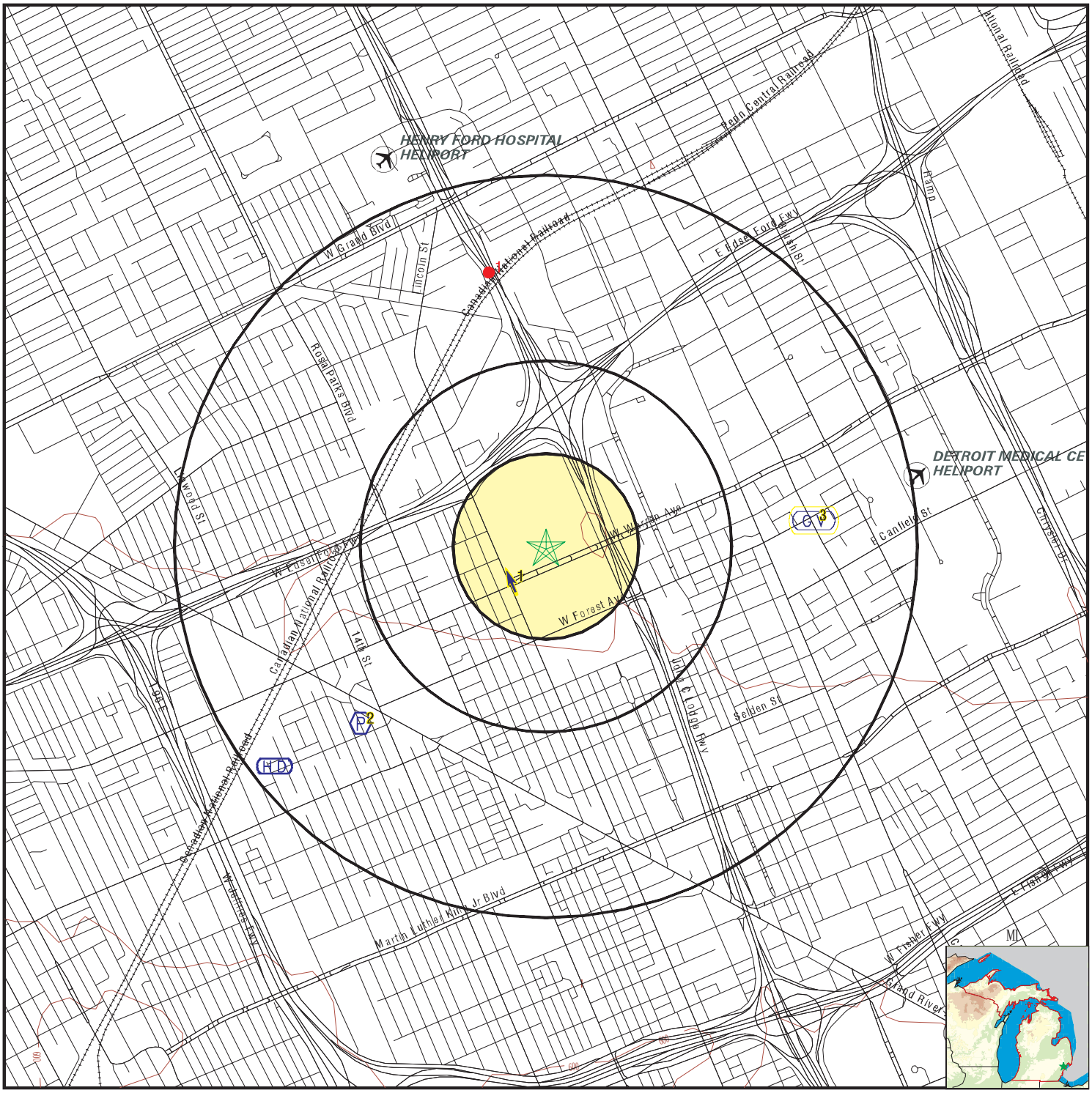
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	MIOG11000078480	1/2 - 1 Mile NNW

PHYSICAL SETTING SOURCE MAP - 5624389.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	WSU Parking Lot Property	CLIENT:	NTH Consultants Ltd.
ADDRESS:	W Warren Avenue Detroit MI 48202	CONTACT:	Andrew Kelly
		INQUIRY #:	5624389.2s
LAT/LONG:	42.35361 / 83.07685	DATE:	April 17, 2019 11:50 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
1 **SW** **1/8 - 1/4 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	821172 NNW 1.1 3.35 Not Reported 03/31/1993	**AQUIFLOW**	**35339**

2
SW
1/2 - 1 Mile
Lower

FRDS PWS **MI6320951**

Epa region:	05	State:	MI
Pwsid:	MI6320951	Pwsname:	JOHN F IVORY MOVING CO
Cityserved:	Not Reported	Stateserved:	MI
Zipserved:	Not Reported	Fipscounty:	26125
Status:	Closed	Retpopsrvd:	25
Pwssvcconn:	0	Psource longname:	Groundwater
Pwstype:	NTNCWS	Owner:	unknown
Contact:	JOHN F IVORY MOVING CO	Contactorgname:	Not Reported
Contactphone:	Not Reported	Contactaddress1:	Not Reported
Contactaddress2:	8035 WOODWARD AVENUE	Contactcity:	DETROIT
Contactstate:	MI	Contactzip:	48208
Pwsactivitycode:	I		
PWS ID:	MI6320951	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	MI6320951
Activity status:	Active	Date system activated:	7706
Date system deactivated:	Not Reported	Retail population:	00000025
System name:	JOHN F IVORY MOVING CO	System address:	Not Reported
System address:	8035 WOODWARD AVENUE	System city:	DETROIT
System state:	MI	System zip:	48208
Population served:	Under 101 Persons	Treatment:	Untreated
Latitude:	422048	Longitude:	0830512

			Database	EDR ID Number
3 **East** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	0509911310 Varies Not Reported Not Reported 6.5 01/06/1992	**AQUIFLOW**	**35311**

			Database	EDR ID Number
1G **East** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	0509911310 Varies Not Reported Not Reported 6.5 01/06/1992	**AQUIFLOW**	**35311**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
2G **SW** **1/8 - 1/4 Mile** **Lower**	Site ID:	821172	**AQUIFLOW**	**35339**
	Groundwater Flow:	NNW		
	Shallowest Water Table Depth:	1.1		
	Deepest Water Table Depth:	3.35		
	Average Water Table Depth:	Not Reported		
	Date:	03/31/1993		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
NNW **OIL_GAS** **MIOG11000078480**
1/2 - 1 Mile

Gas/Oil:	6788	API Well #:	21163615087000
Permit #:	0	Completion:	0
Well Type:	TH	Well Status:	Unknown
Bore Type:	Mineral (Non-Confidential)	Slant:	V
Total Depth Drilled:	395	True Vertical Depth:	0
Kickoff Point of TVD:	0	Deepest Formation:	DETROIT RIVER
Formation Tops:	Not Reported	Production Formation:	Not Reported
Production Unit #:	0	Production Unit:	Not Reported
Lease Name:	Federal Carbonic	Well #:	1
Operator #:	6886	Company Name:	Federal Carbonic Company
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	Permit Date:	Not Reported
Plug 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
48202	11/12/2008		1.1
48202	4/21/1995		0.6
48202	1/31/2009		0.6
48202	10/27/2009	<	0.3
48202	10/29/2009	<	0.3

Federal EPA Radon Zone for WAYNE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 48202

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.900 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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 Wellogic, the Michigan Department of Environmental Quality Statewide Groundwater Database (SGWD). Wellogic 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 IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

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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APPENDIX E

Sanborn Maps

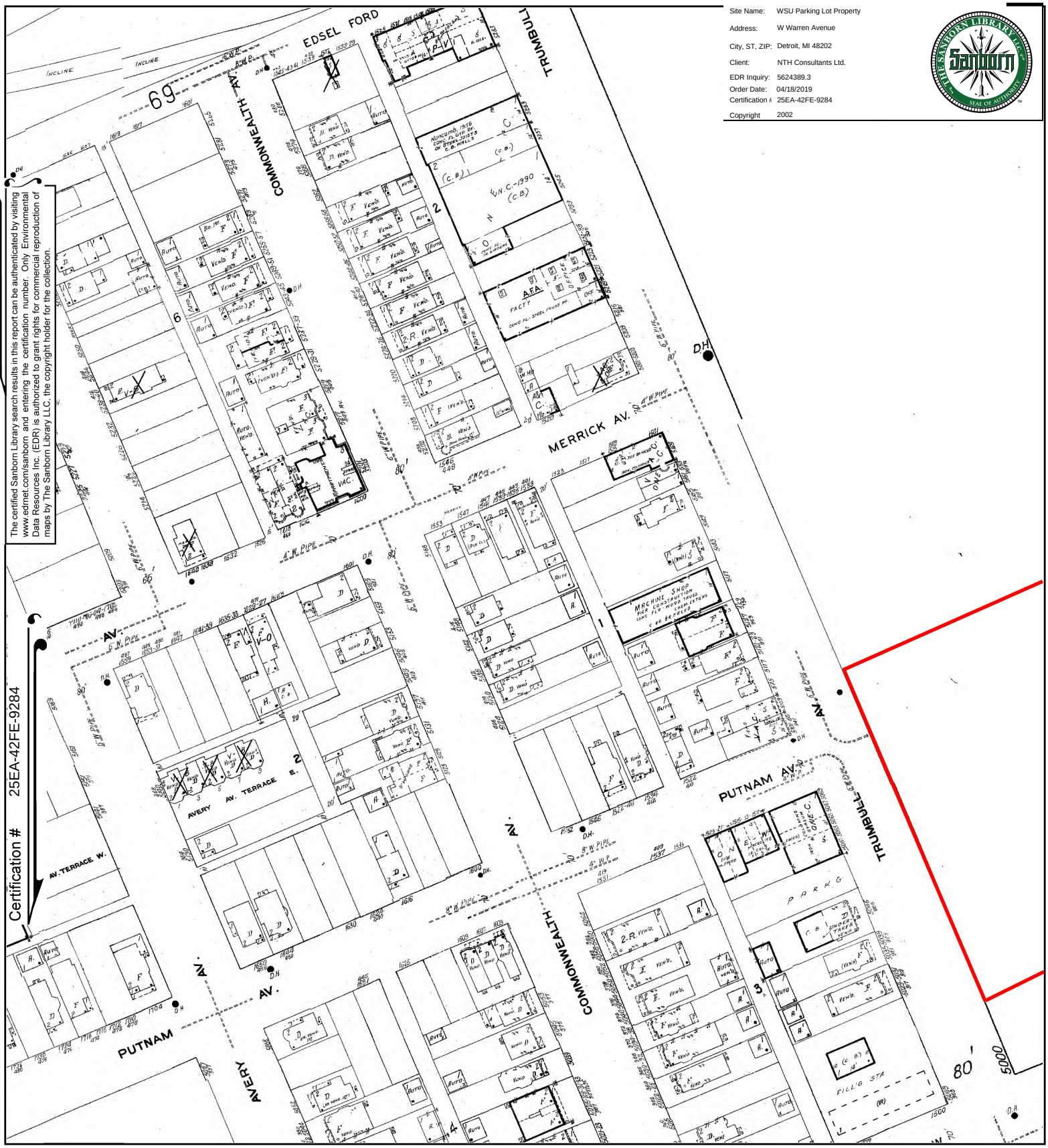
Certified Sanborn® Map

2002

Site Name:	WSU Parking Lot Property
Address:	W Warren Avenue
City, ST, ZIP:	Detroit, MI 48202
Client:	NTH Consultants Ltd.
EDR Inquiry:	5624389.3
Order Date:	04/18/2019
Certification #	25EA-42FE-9284
Copyright	2002

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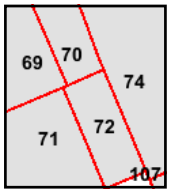
Certification # 25EA-42FE-9284



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Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 6, Sheet 74
Volume 6, Sheet 72
Volume 6, Sheet 71
Volume 6, Sheet 70
Volume 6, Sheet 69

N

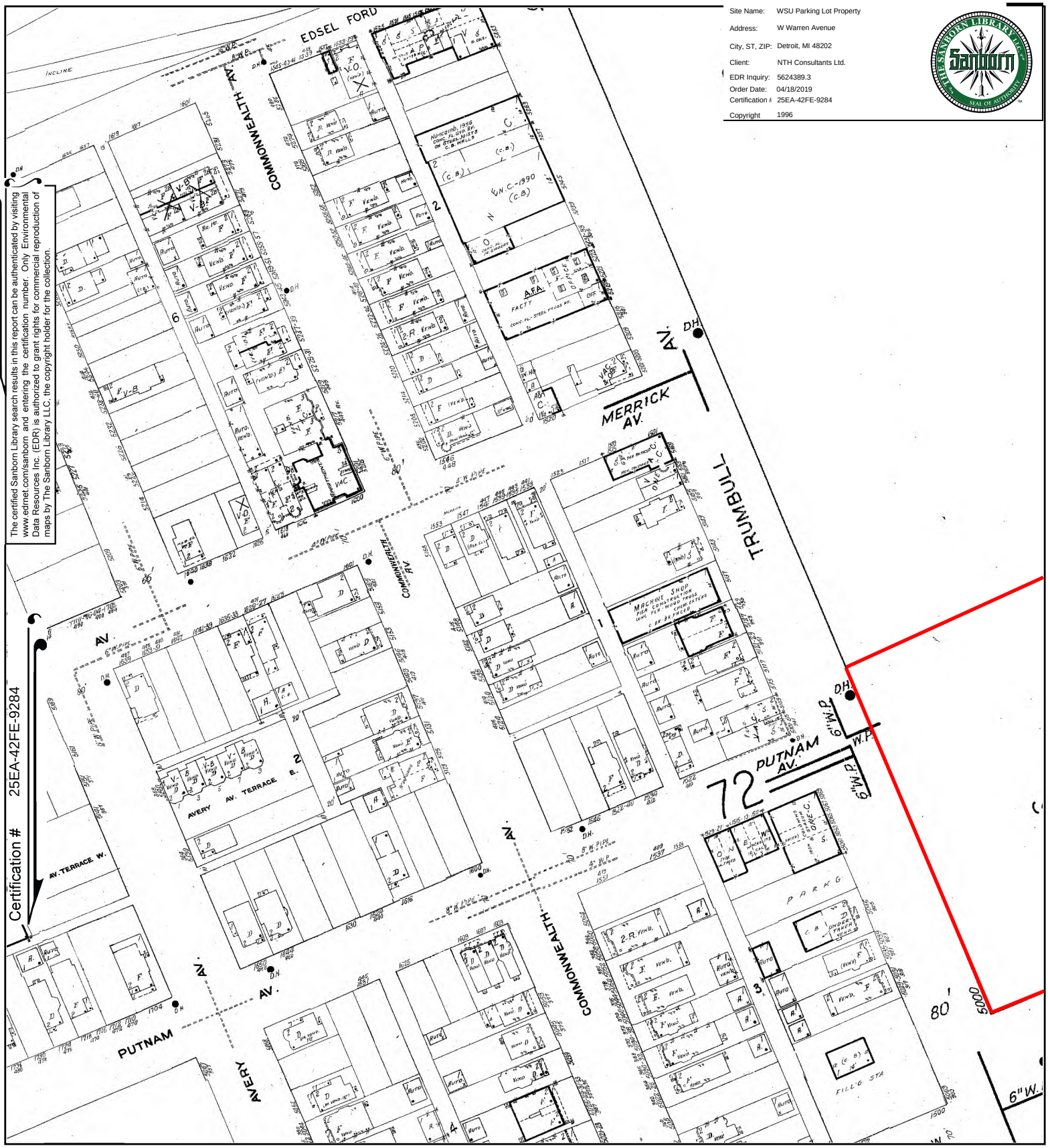
Certified Sanborn® Map

1996

Site Name:	WSU Parking Lot Property
Address:	W Warren Avenue
City, ST, ZIP:	Detroit, MI 48202
Client:	NTH Consultants Ltd.
EDR Inquiry:	5624389.3
Order Date:	04/18/2019
Certification #	25EA-42FE-9284
Copyright	1996

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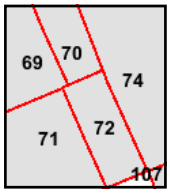
Certification # 25EA-42FE-9284



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Volume 6, Sheet 71
Volume 6, Sheet 70
Volume 6, Sheet 69

N

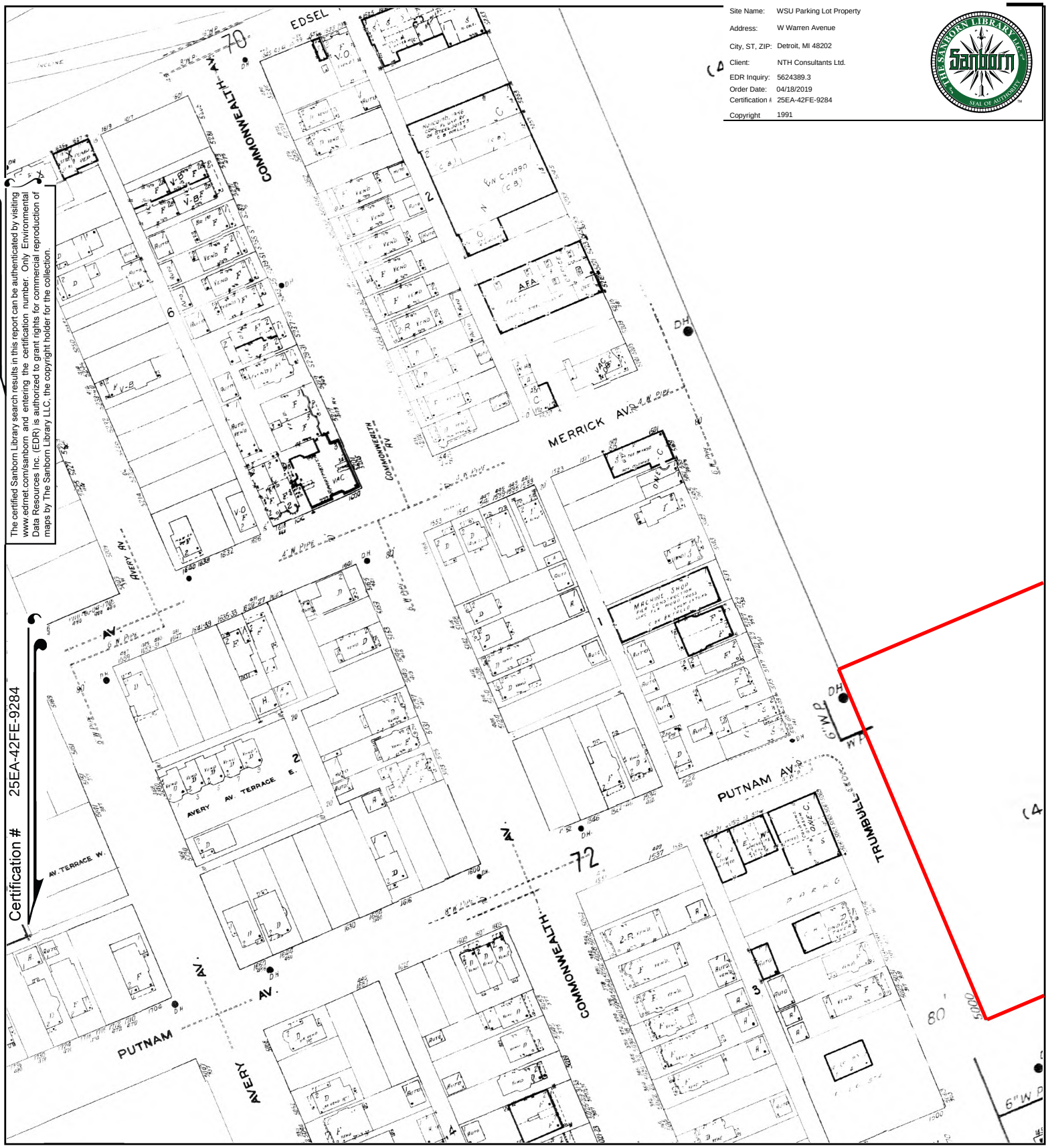
Certified Sanborn® Map

1991

Site Name:	WSU Parking Lot Property
Address:	W Warren Avenue
City, ST, ZIP:	Detroit, MI 48202
Client:	NTH Consultants Ltd.
EDR Inquiry:	5624389.3
Order Date:	04/18/2019
Certification #	25EA-42FE-9284
Copyright	1991

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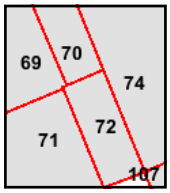
Certification # 25EA-42FE-9284



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Volume 6, Sheet 70
Volume 6, Sheet 69

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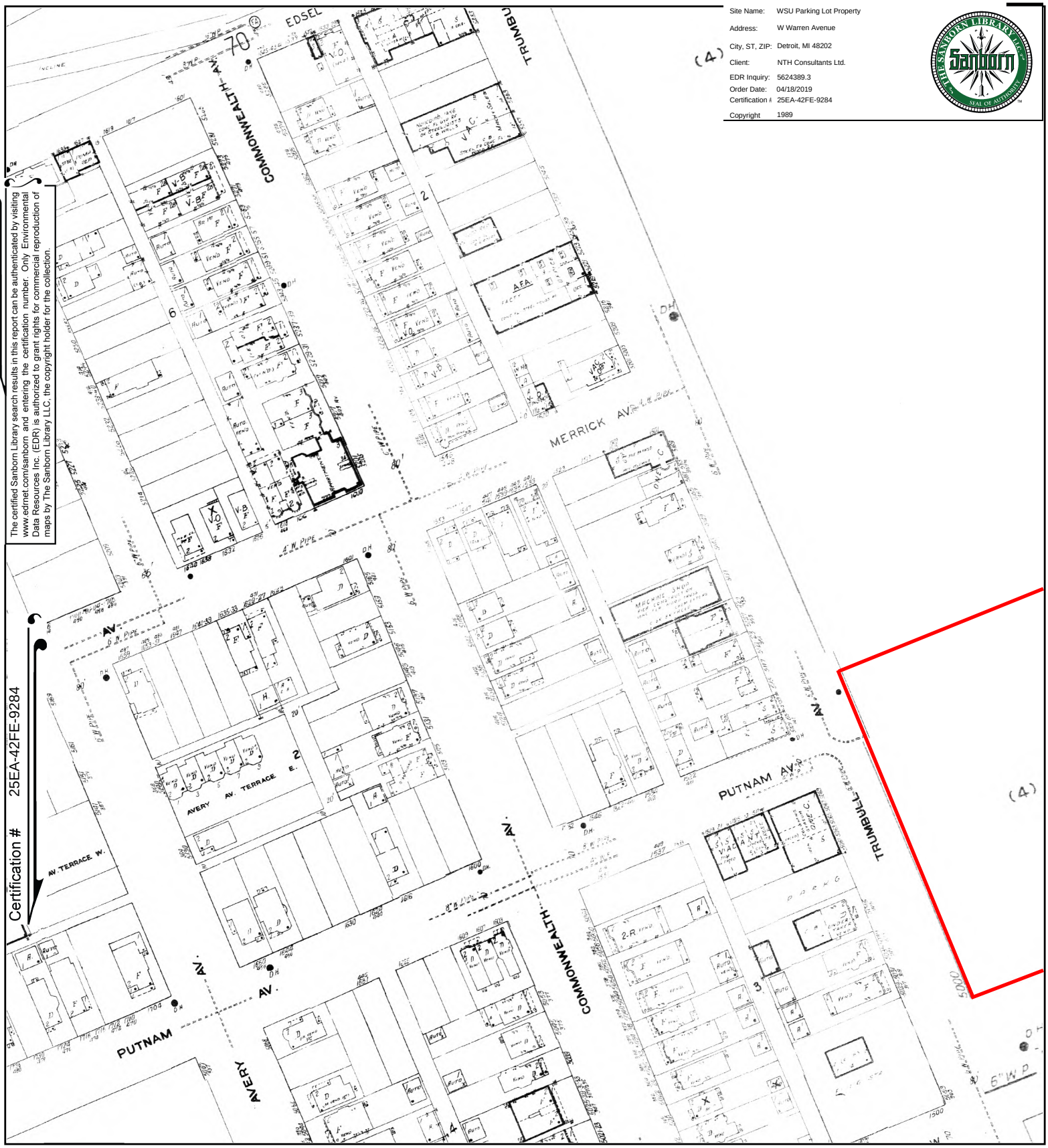
Certified Sanborn® Map

1989

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1989

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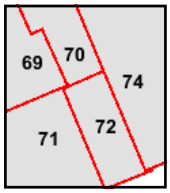
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1977

Site Name:	WSU Parking Lot Property
Address:	W Warren Avenue
City, ST, ZIP:	Detroit, MI 48202
Client:	NTH Consultants Ltd.
EDR Inquiry:	5624389.3
Order Date:	04/18/2019
Certification #:	25EA-42FE-9284
Copyright	1977

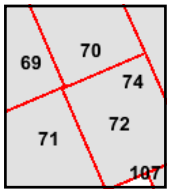
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1961

Site Name:	WSU Parking Lot Property
Address:	W Warren Avenue
City, ST, ZIP:	Detroit, MI 48202
Client:	NTH Consultants Ltd.
EDR Inquiry:	5624389.3
Order Date:	04/18/2019
Certification #	25EA-42FE-9284
Copyright	1961

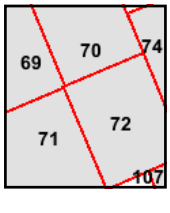
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1957

Site Name:	WSU Parking Lot Property
Address:	W Warren Avenue
City, ST, ZIP:	Detroit, MI 48202
Client:	NTH Consultants Ltd.
EDR Inquiry:	5624389.3
Order Date:	04/18/2019
Certification #:	25EA-42FE-9284
Copyright	1957

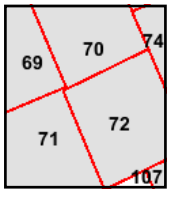
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1953

Site Name:	WSU Parking Lot Property
Address:	W Warren Avenue
City, ST, ZIP:	Detroit, MI 48202
Client:	NTH Consultants Ltd.
EDR Inquiry:	5624389.3
Order Date:	04/18/2019
Certification #	25EA-42FE-9284
Copyright	1953

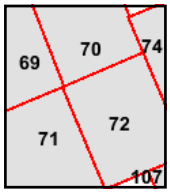
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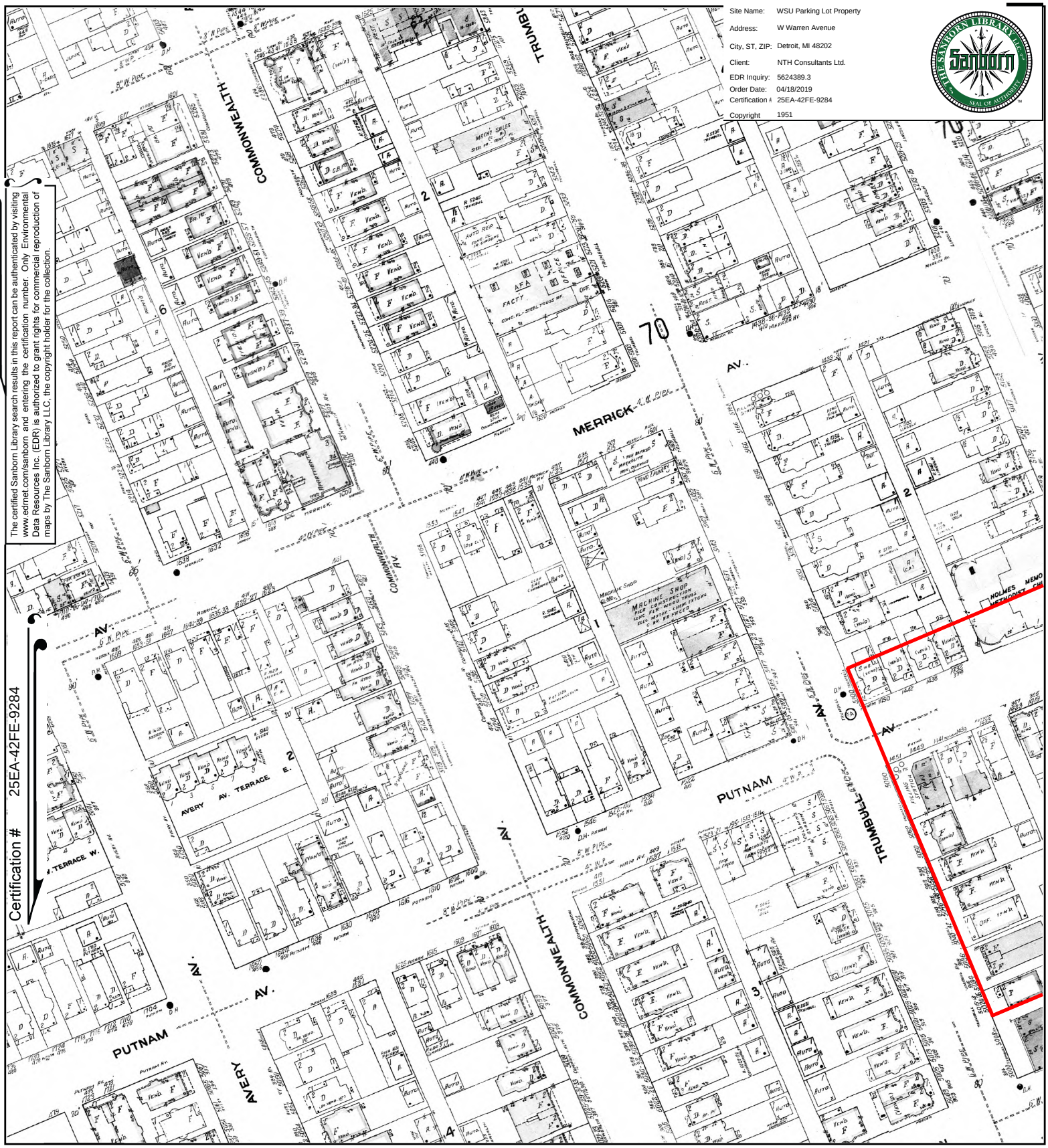
Certified Sanborn® Map

1951

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1951

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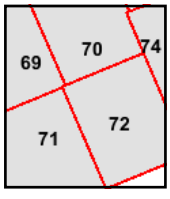
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Volume 6, Sheet 70
Volume 6, Sheet 69

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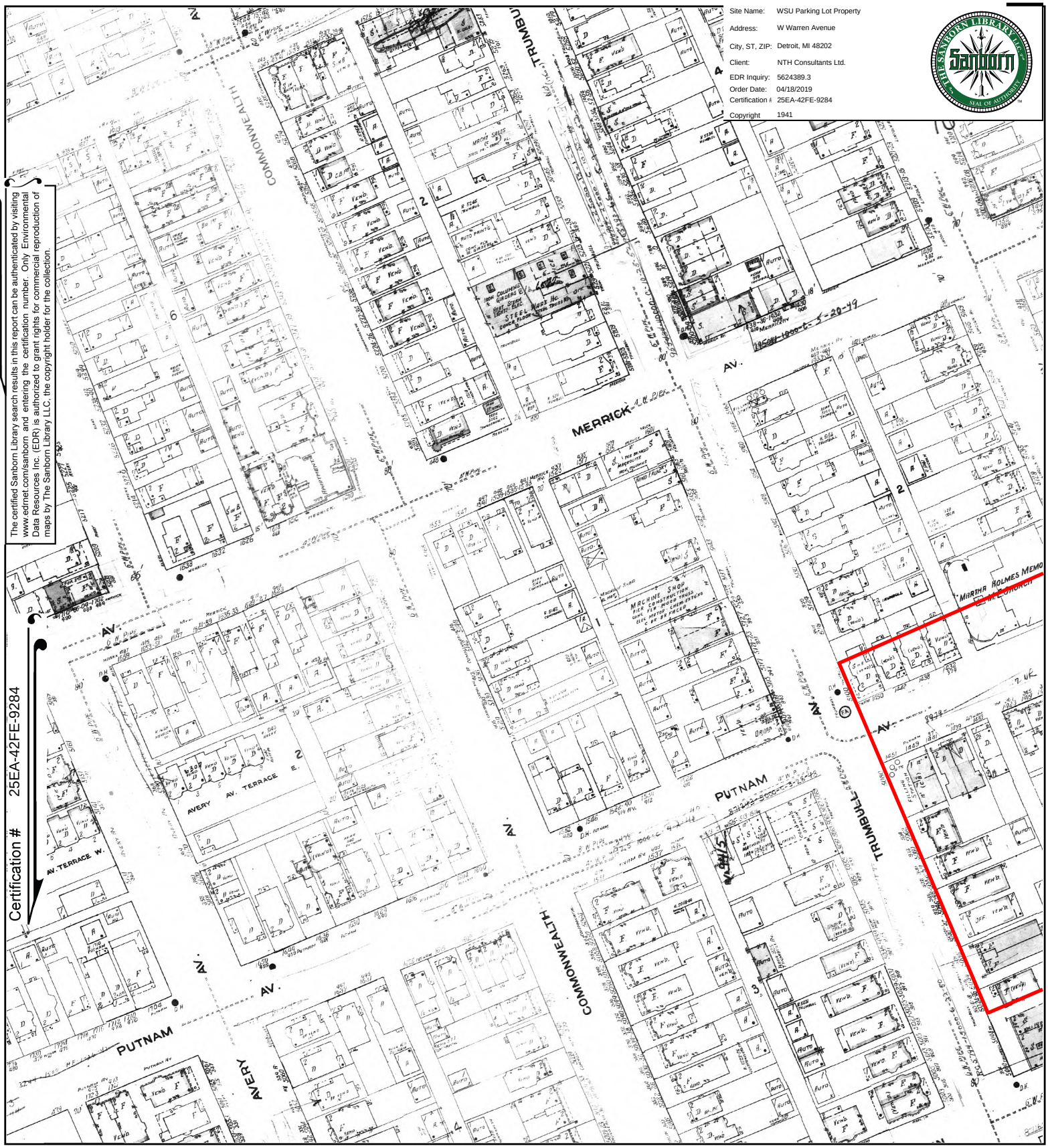
Certified Sanborn® Map

1941

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1941

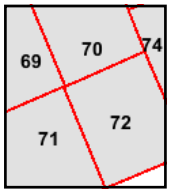
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Volume 6, Sheet 69

0 Feet 150 300 600

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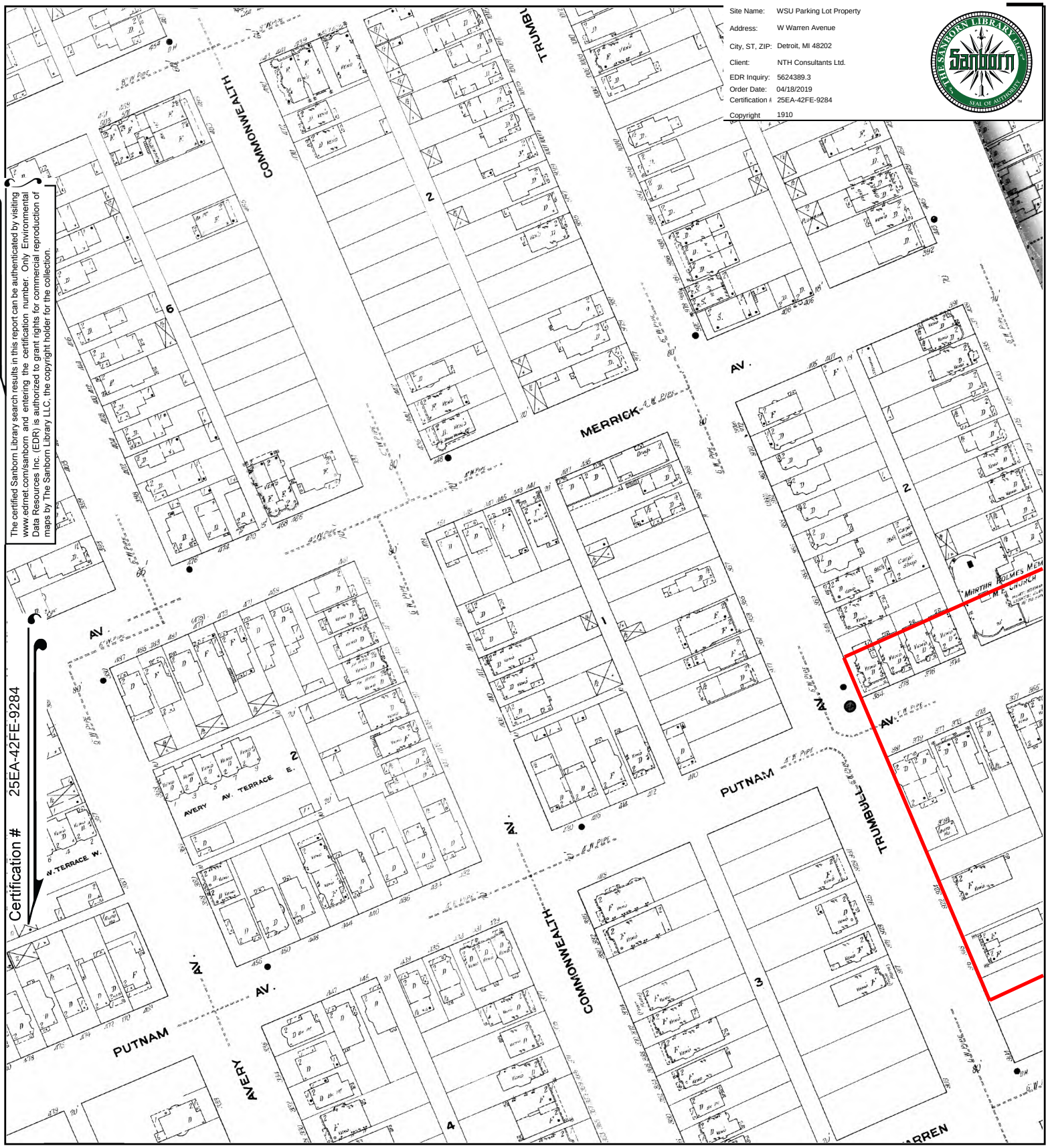
Certified Sanborn® Map

1910

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1910

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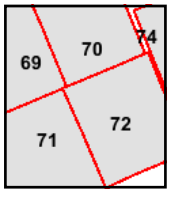
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Outlined areas indicate map sheets within the collection.

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Volume 6, Sheet 72
Volume 6, Sheet 71
Volume 6, Sheet 70
Volume 6, Sheet 69

N

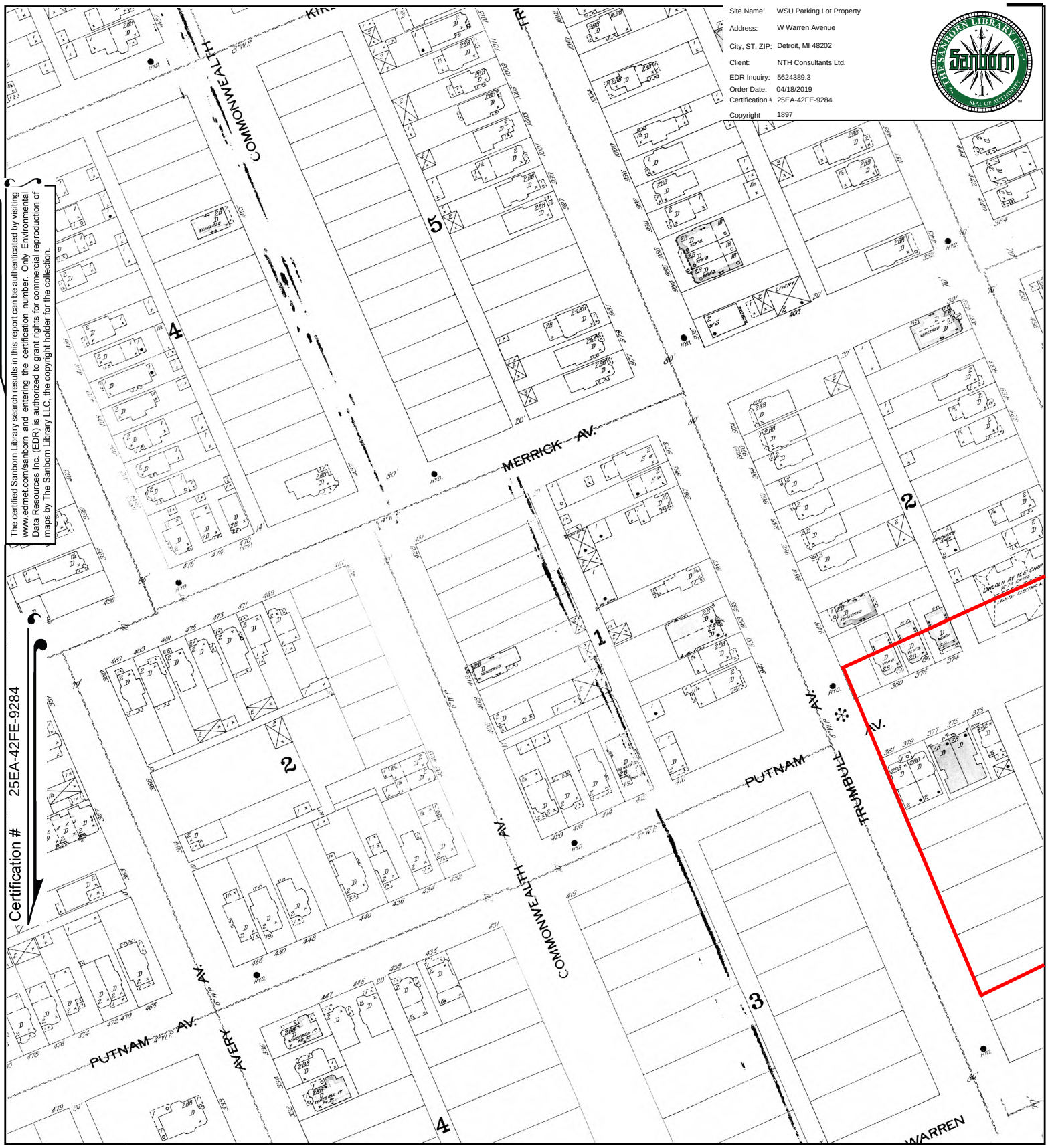
Certified Sanborn® Map

1897

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1897

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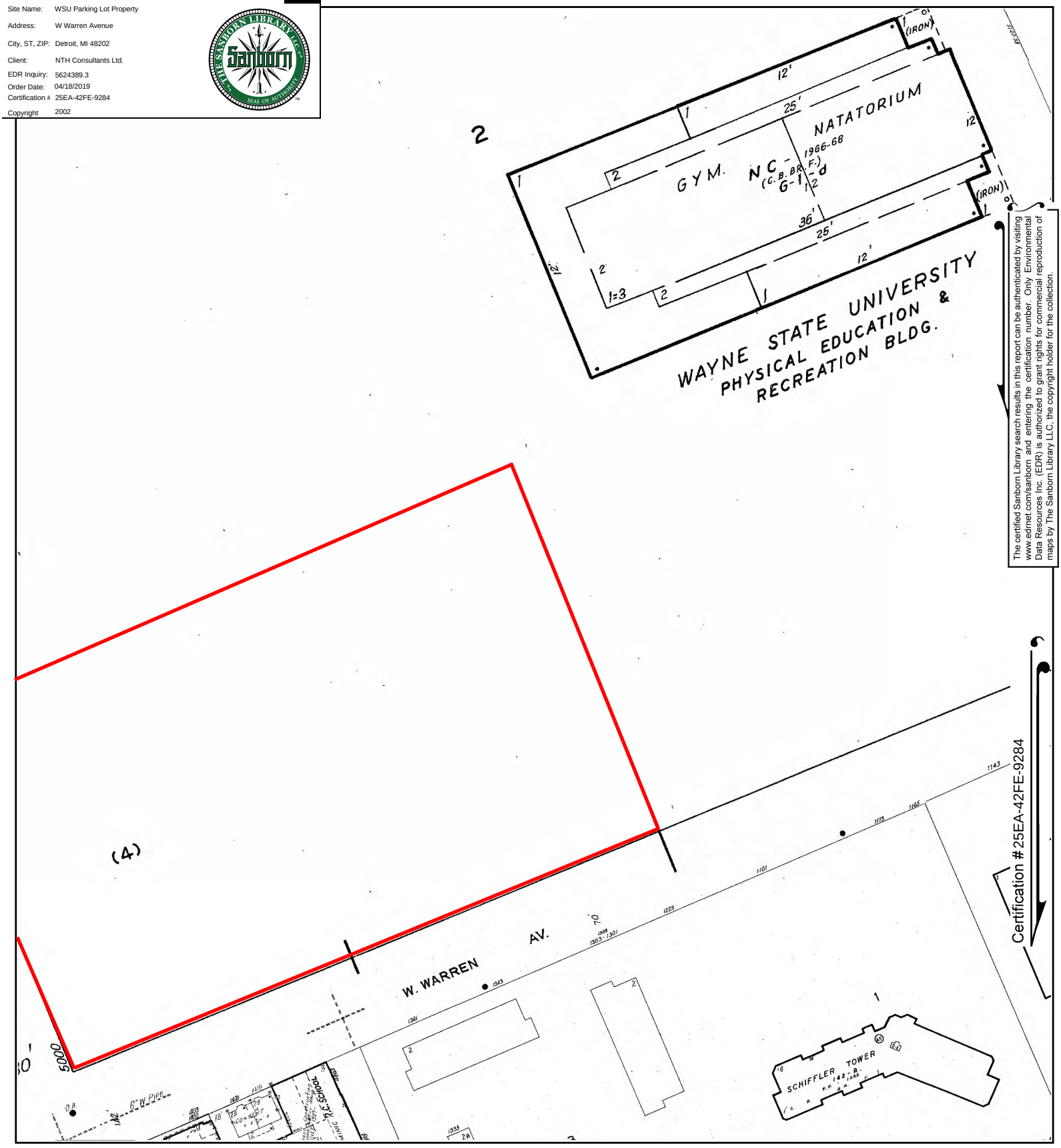
Volume 6, Sheet 5
Volume 6, Sheet 4
Volume 6, Sheet 3
Volume 6, Sheet 2
Volume 6, Sheet 1

N

Certified Sanborn® Map

2002

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 2002

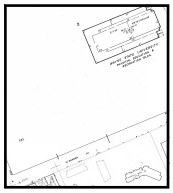


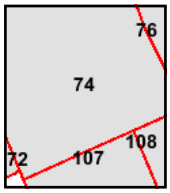
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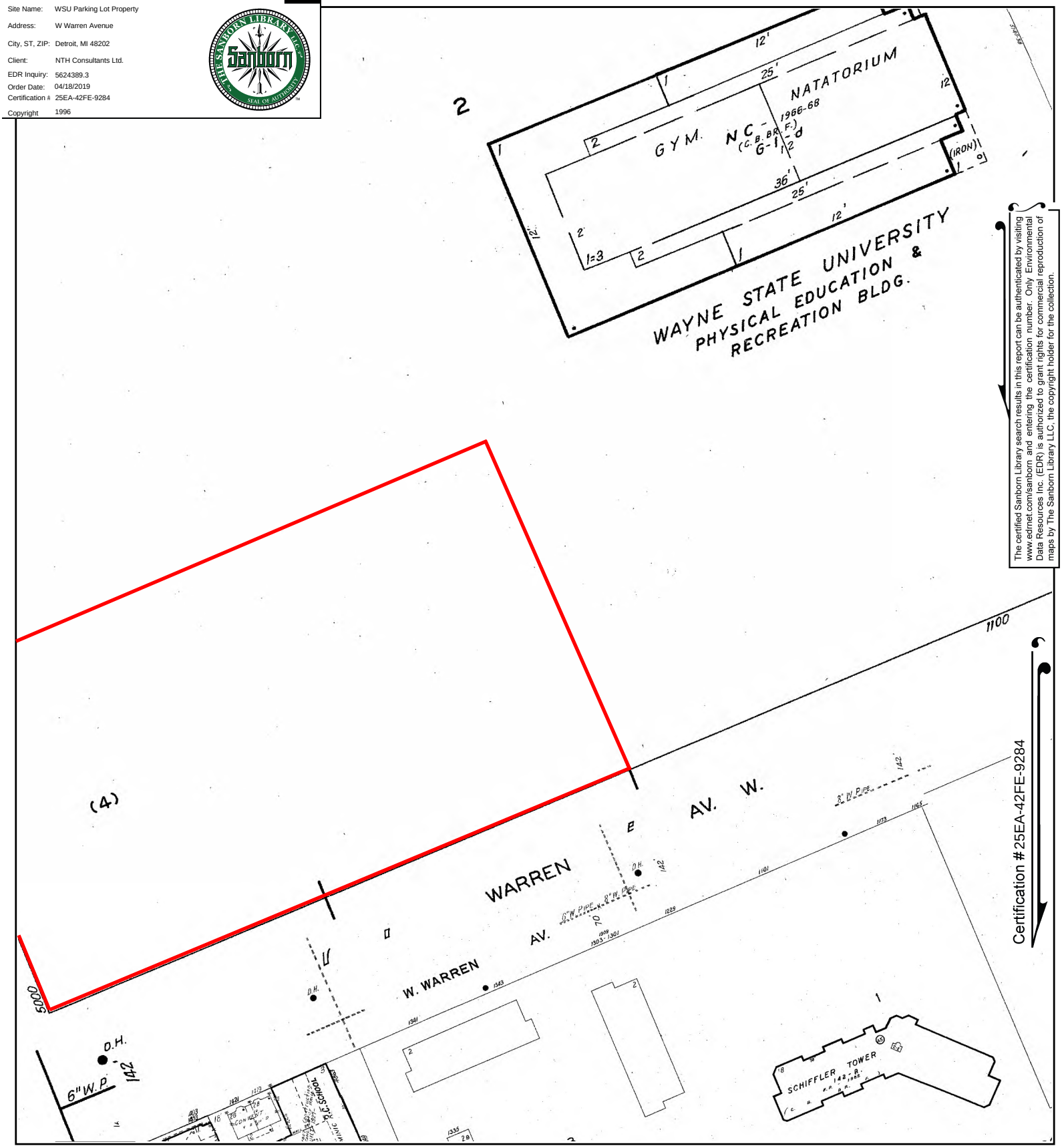
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Volume 2, Sheet 107

N

Certified Sanborn® Map

1996

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1996

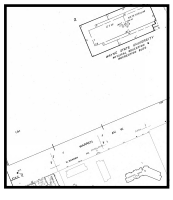


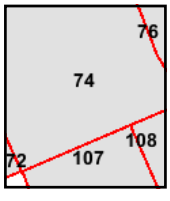
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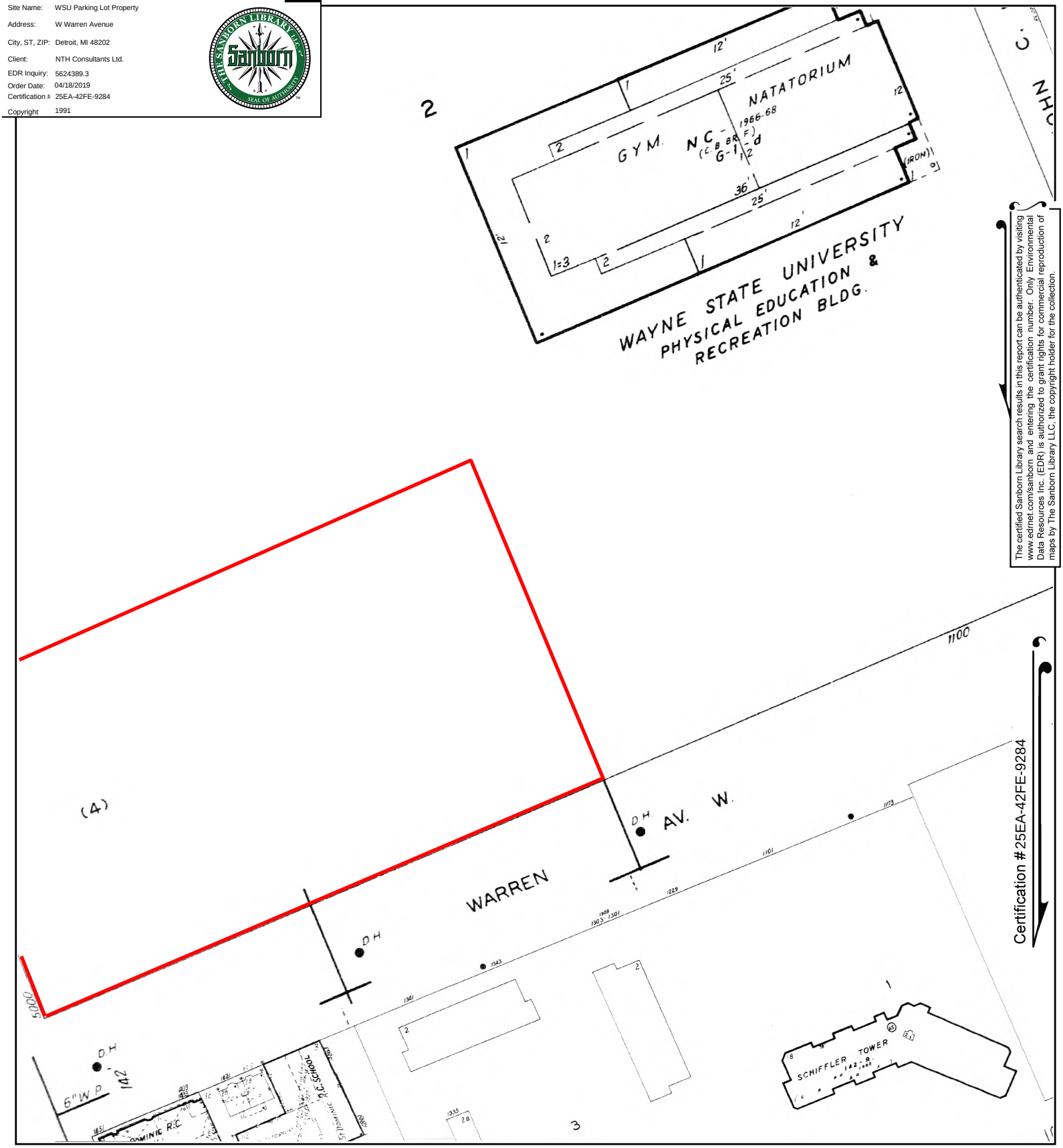
Volume 2, Sheet 108
Volume 2, Sheet 107
Volume 6, Sheet 74

N

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1991

Site Name: WSU Parking Lot Property
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Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1991

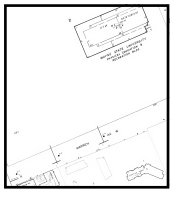


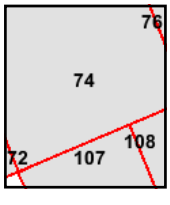
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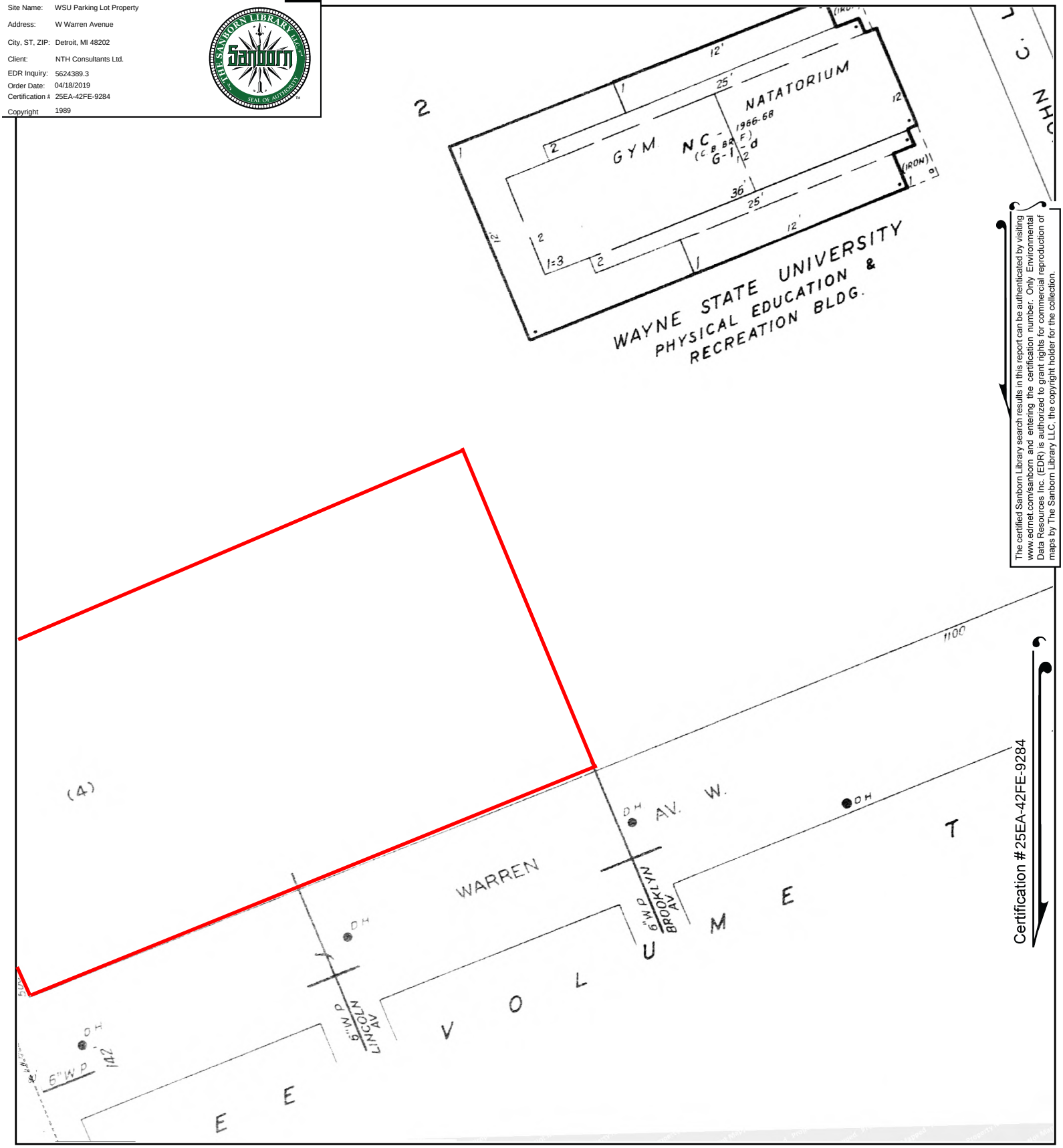
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Volume 2, Sheet 108
Volume 2, Sheet 107

N

Certified Sanborn® Map

1989

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1989

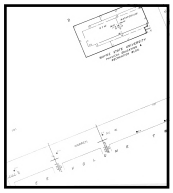


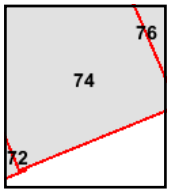
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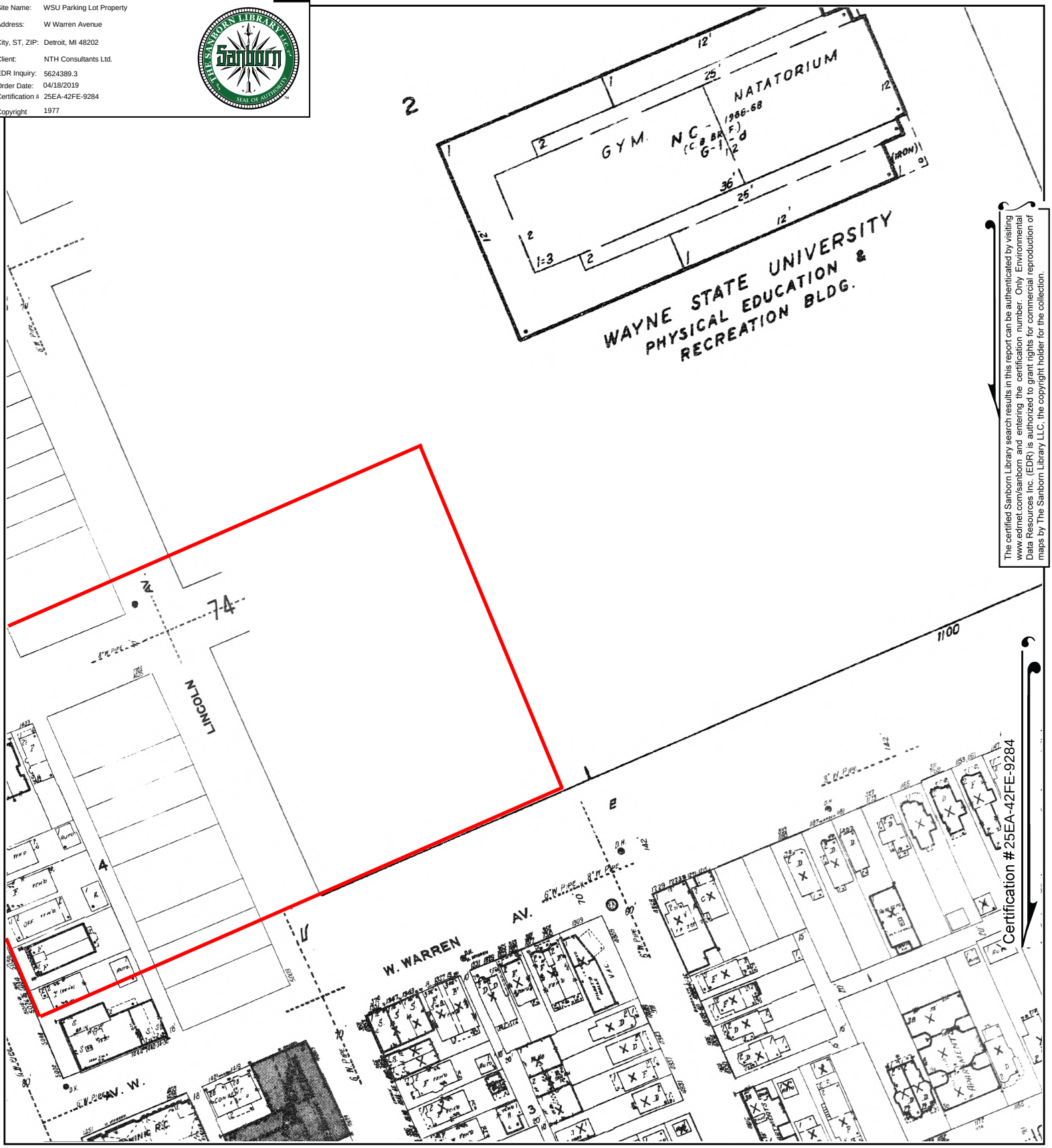
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1977

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284

Copyright 1977

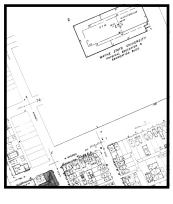


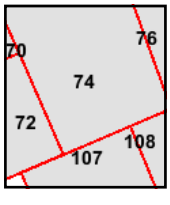
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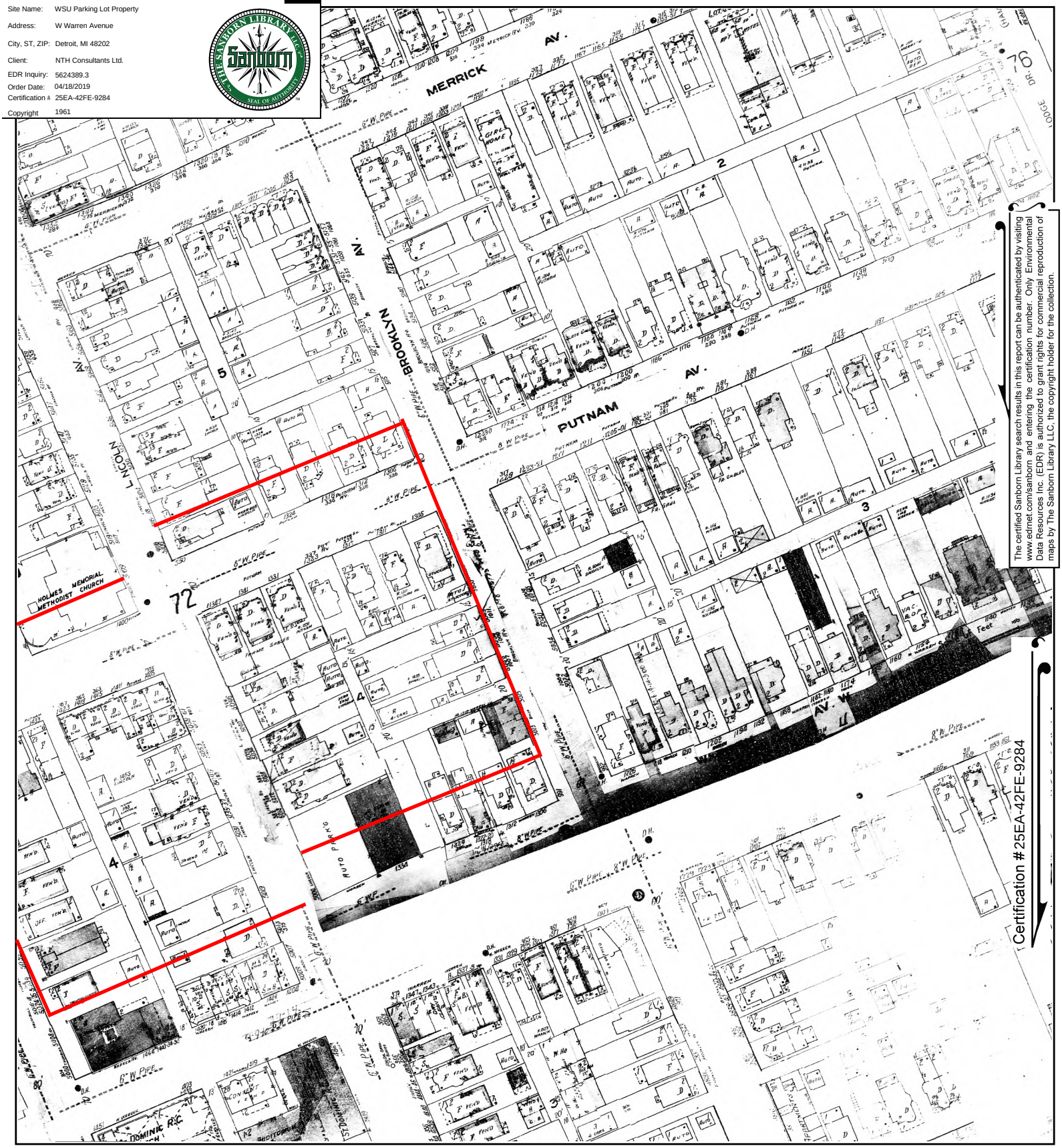
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Volume 2, Sheet 108
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N

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1961

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1961

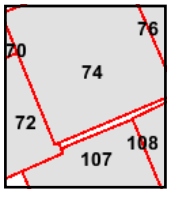


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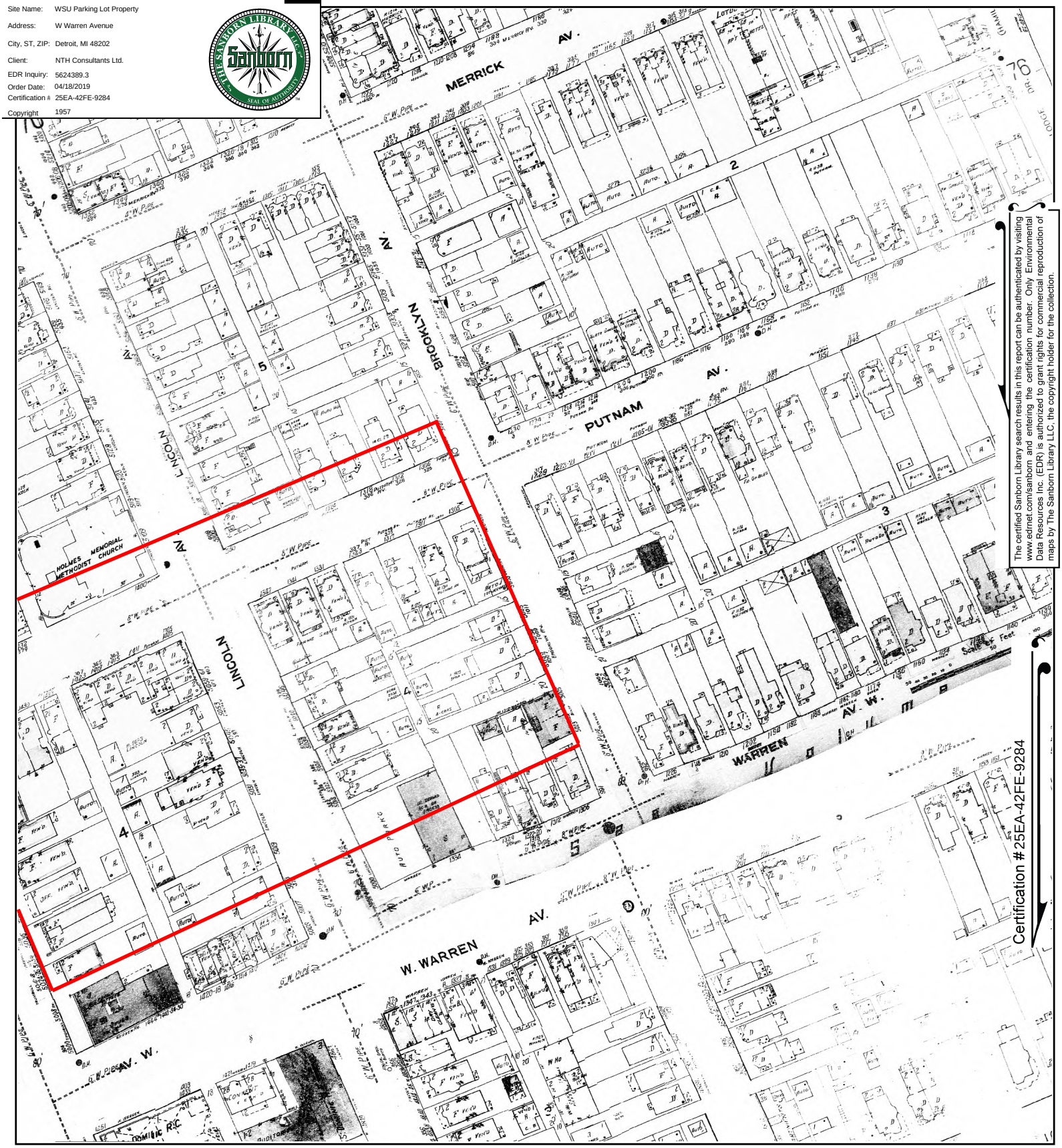
Volume 2, Sheet 108
Volume 2, Sheet 107
Volume 6, Sheet 74
Volume 6, Sheet 72

N

Certified Sanborn® Map

1957

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1957

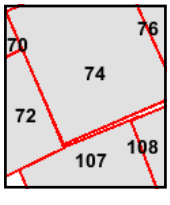


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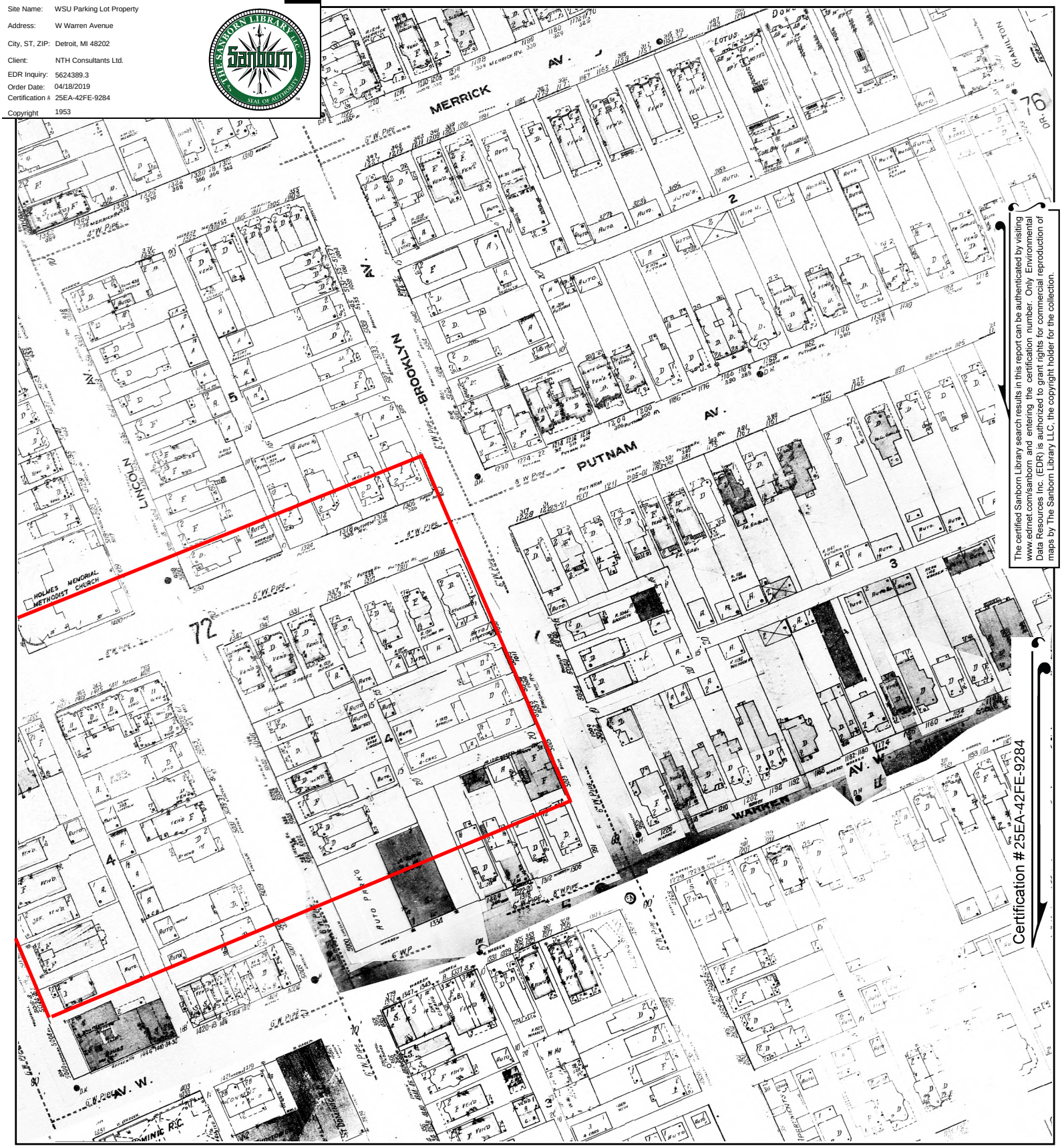
Volume 6, Sheet 74
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Volume 2, Sheet 108
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N

Certified Sanborn® Map

1953

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1953



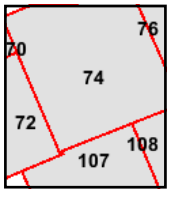
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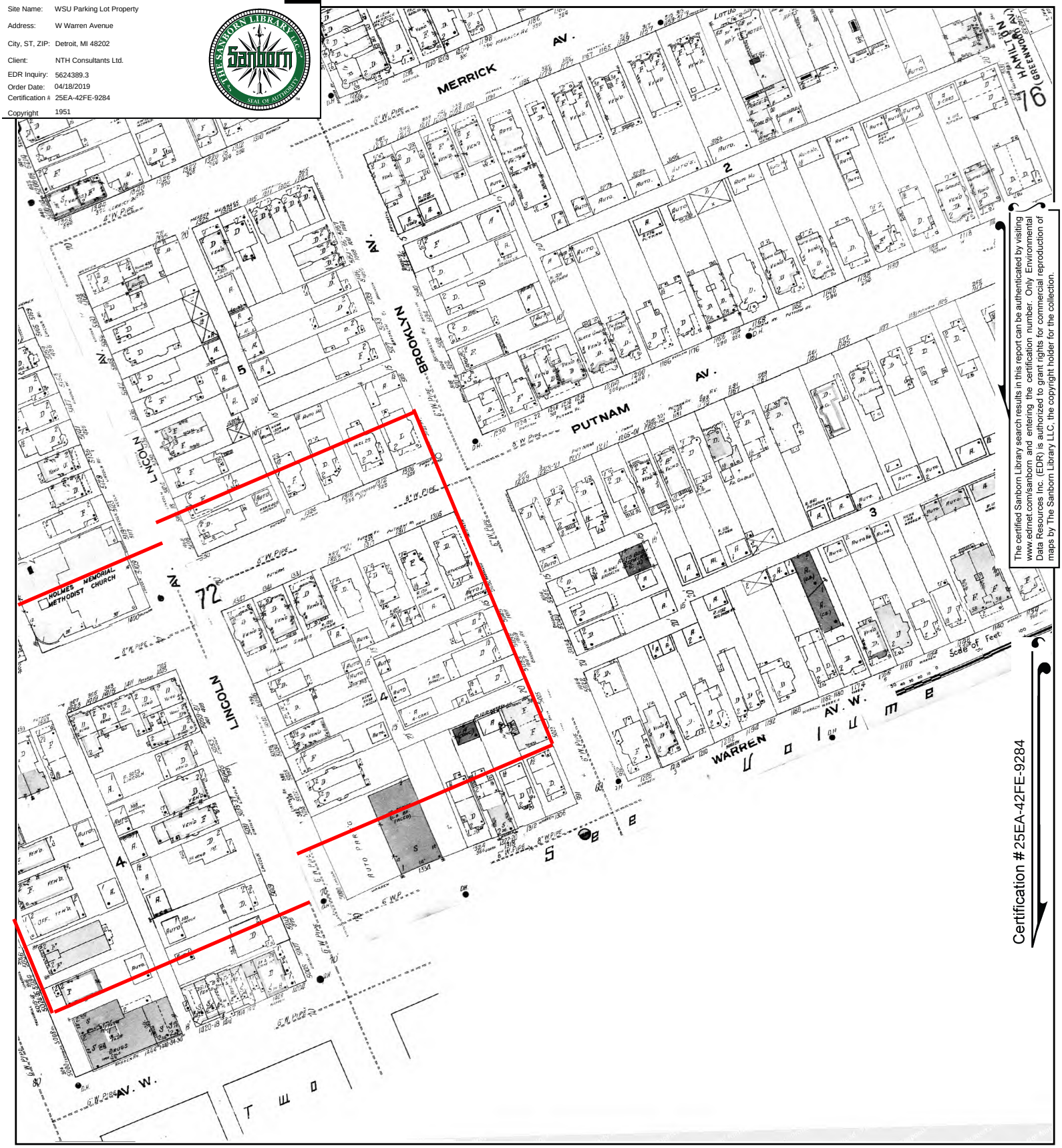
Volume 6, Sheet 74
Volume 6, Sheet 72
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N

Certified Sanborn® Map

1951

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1951



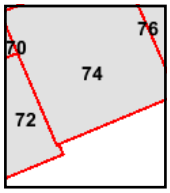
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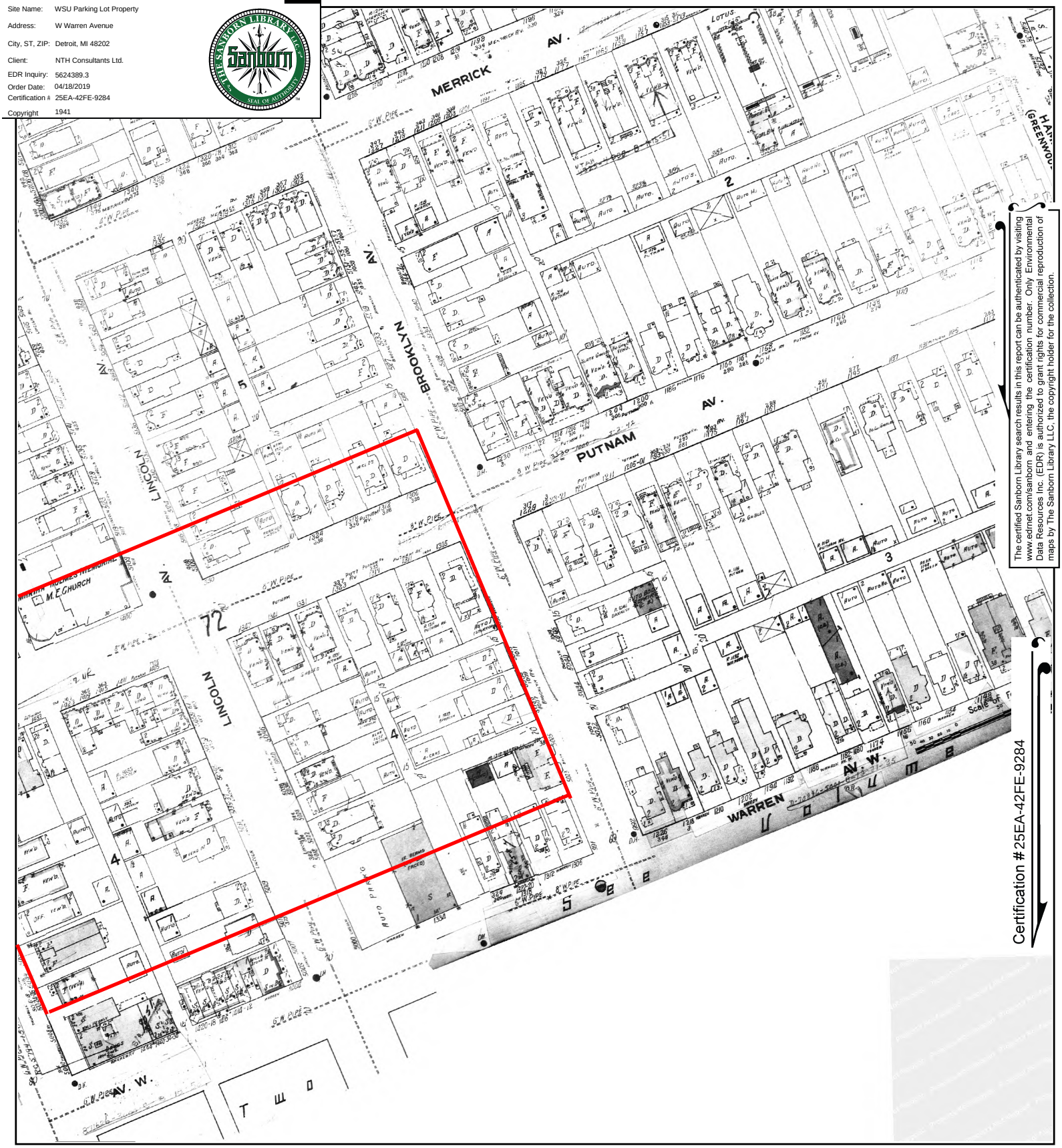
Volume 6, Sheet 74
Volume 6, Sheet 72

N

Certified Sanborn® Map

1941

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Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1941



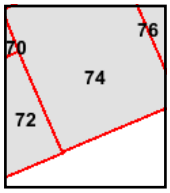
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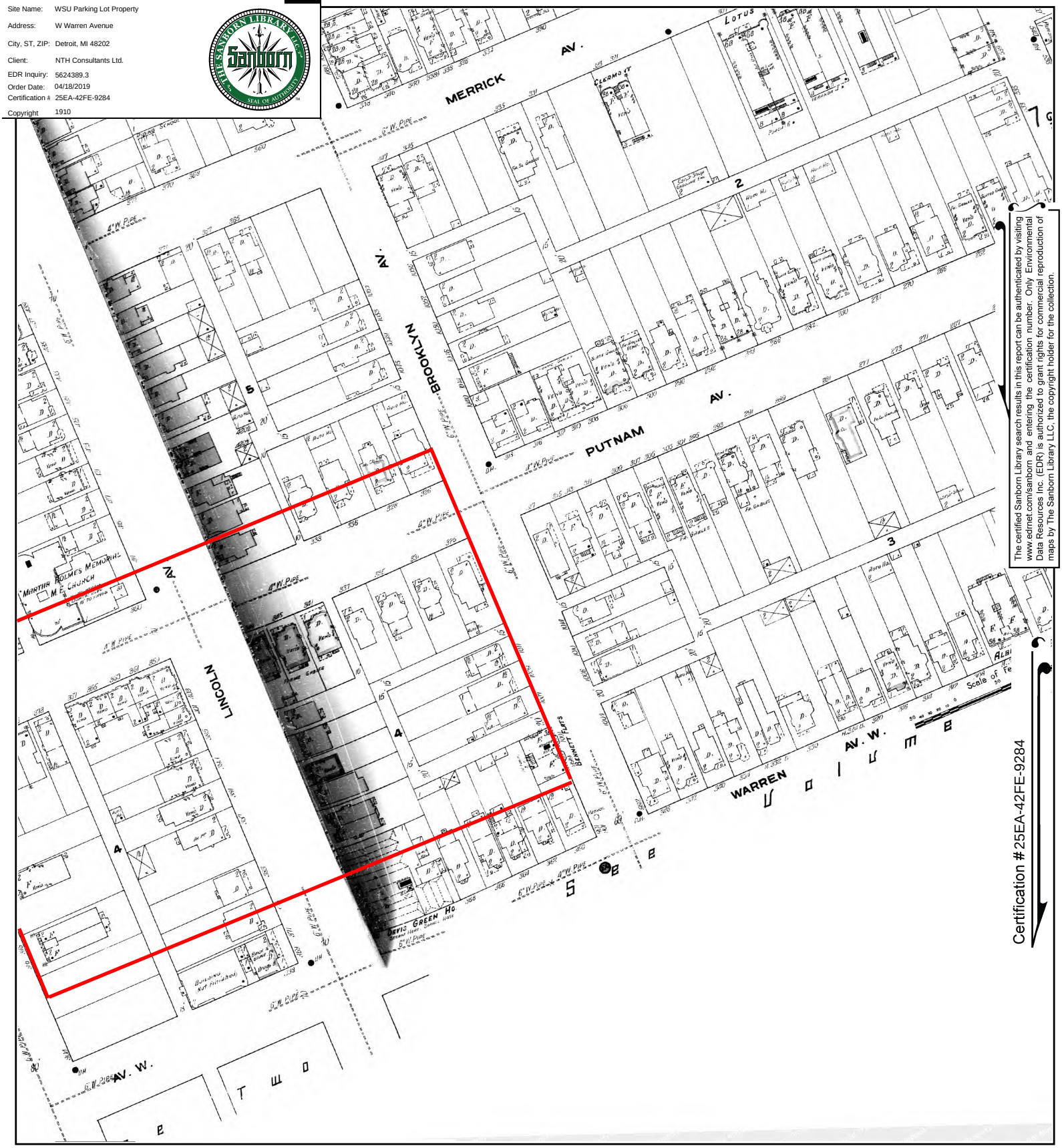
Volume 6, Sheet 74
Volume 6, Sheet 72

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Certified Sanborn® Map

1910

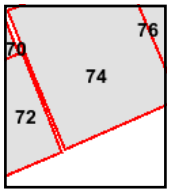
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Address:	W Warren Avenue
City, ST, ZIP:	Detroit, MI 48202
Client:	NTH Consultants Ltd.
EDR Inquiry:	5624389.3
Order Date:	04/18/2019
Certification #:	25EA-42FE-9284
Copyright	1910



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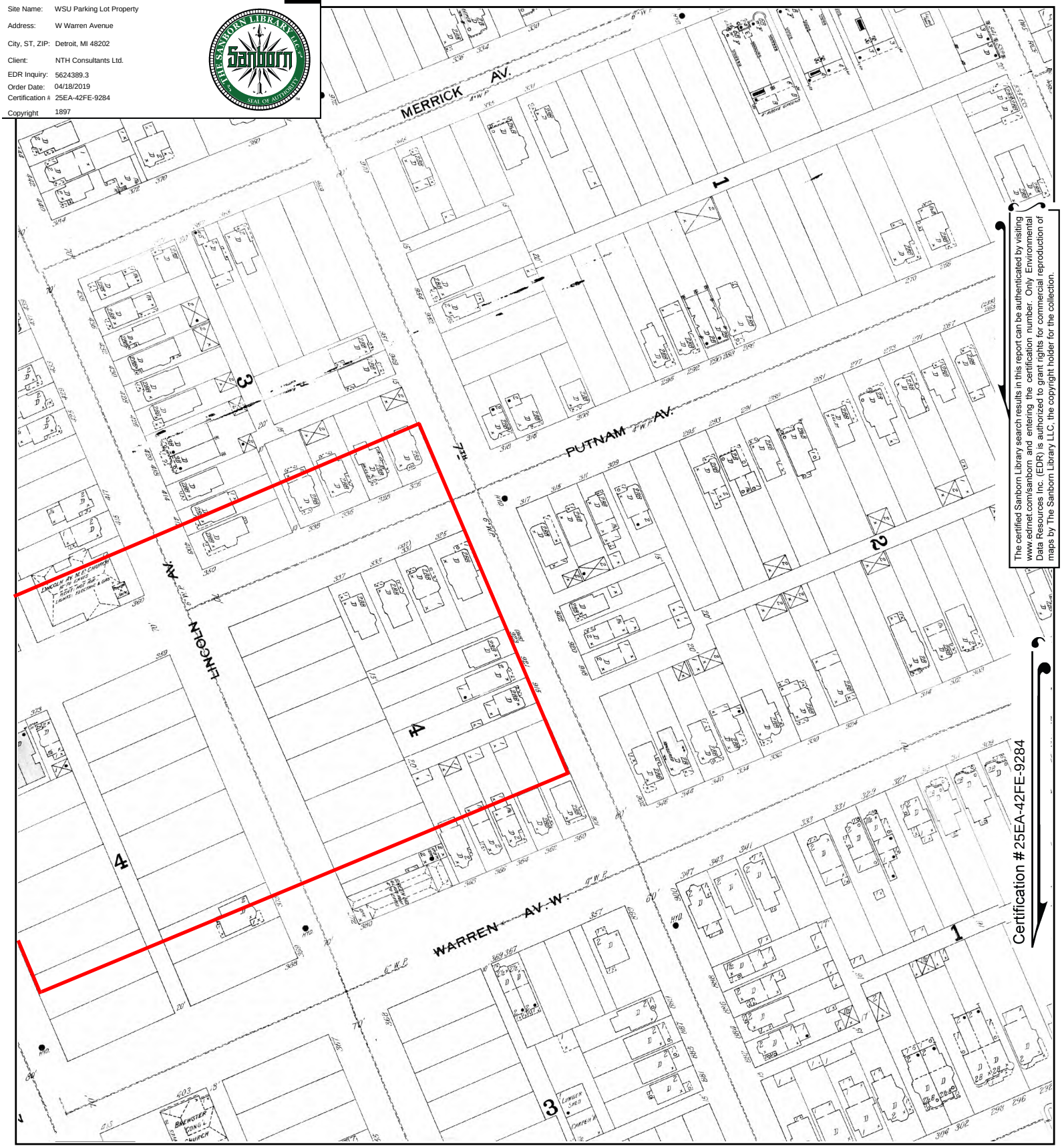
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Certified Sanborn® Map

1897

Site Name: WSU Parking Lot Property
Address: W Warren Avenue
City, ST, ZIP: Detroit, MI 48202
Client: NTH Consultants Ltd.
EDR Inquiry: 5624389.3
Order Date: 04/18/2019
Certification #: 25EA-42FE-9284
Copyright 1897



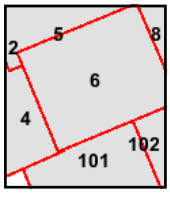
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Volume 6, Sheet 5
Volume 6, Sheet 4

N

APPENDIX F

Owner Questionnaire

Phase I ESA - Owner Questionnaire
NTH Project No. 62-190085-00
WSU Parking Lot Property
Detroit, Michigan

The Phase I Environmental Site Assessment (ESA) Questionnaire is an intricate portion of our Phase I ESA report. We ask that you answer the following questions to the best of your knowledge. Since the Phase I ESA Questionnaire is such an intricate portion of the Phase I ESA report, a complete and prompt return of the Phase I ESA Questionnaire is critical in the completion of the Phase I ESA report deadline.

Please email the completed questionnaire to ***bmodi@nthconsultants.com***

PROPERTY OWNERSHIP & USES

Current Property Owner(s) and Length of Ownership: ON APRIL 21, 1966 THE CITY OF DETROIT QUIT-CLAIM DEEDED TO WSU, LAND AREA IN THE "UNIVERSITY CITY REHABILITATION PROJECT No. 1 MICH. R-53" AS RECORDED IN L 15982, P 118-120, WCR.

Current Property Occupant(s) and Use(s): WAYNE STATE UNIVERSITY ATHLETIC DEPARTMENT INTRAMURAL FIELD.

Past Property Use(s): ONE AND TWO FAMILY RESIDENTIAL WITH A GROCERY STORE.

BUILDING INFORMATION

Number of structures on the property and dates of construction and additions: THE STRUCTURES WERE REMOVED BY CITY UNDER ABOVE CITED URBAN RENEWAL PROJECT.

Heating source(s) for all current structures: NOT APPLICABLE

Past heating source(s) for all current structures: NOT APPLICABLE

Number of former structures, uses, and construction and demolition dates: THE STRUCTURES WERE REMOVED BY CITY UNDER ABOVECITED URBAN RENEWAL PROJECT.

CHEMICAL STORAGE INFORMATION

Size and contents of chemical container(s) currently on the property: NOT APPLICABLE. ANY CHEMICAL CONTAINER(S) SHOULD HAVE BEEN REMOVED BY CITY UNDER ABOVE CITEDURBAN RENEWAL PROJECT.

Phase I ESA - Owner Questionnaire
NTH Project No. 62-190085-00
WSU Parking Lot Property
Detroit, Michigan

Number of aboveground storage tanks (ASTs), underground storage tanks (USTs), and/or oil/water separators currently on the property: ASTs 0 USTs 0 Oil/Water Sep. 0

Describe the purpose and contents of each previously indicated ASTs, USTs, and/or oil/water separators: NOT APPLICABLE, SEE APRIL 10, 2003 METCO SERVICES, INC. TOPOGRAPHIC AND BOUNDART SURVEY, WAYNE STATE UNIVERSITY ARENA.

Number of the following types of transformers located on the property:
Pole-mounted: 0 Slab-mounted: 0

Indicate the owner(s) and polychlorinated biphenyls (PCBs) content of each transformer on the property: NOT APPLICABLE. SEE ABOVE CITED TOPOGRAPHIC AND BOUNDART SURVEY.

ENVIRONMENTAL ACTIVITY INFORMATION

Describe all known environmental concerns and/or incidents on the property: NOT APPLICABLE. SEE ABOVE CITED URBAN RENEWAL PROJECT AS WELL AS TOPOGRAPHIC AND BOUNDART SURVEY.

Describe all known environmental concerns and/or incidents on the adjacent properties to the subject property: NOT APPLICABLE. SEE ABOVE CITED URBAN RENEWAL PROJECT AS WELL AS TOPOGRAPHIC AND BOUNDART SURVEY.

Describe the results of all environmental studies at the property: NOT APPLICABLE, SEE ABOVE CITED URBAN RENEWAL PROJECT AS WELL AS TOPOGRAPHIC AND BOUNDART SURVEY.

Are copies of the environmental studies available for review by NTH? NOT APPLICABLE AT THE PROPERTY.

Indicate the amounts and type(s) of all hazardous wastes generated/stored on the property: NOT APPLICABLE. SEE ABOVE CITED URBAN RENEWAL PROJECT AS WELL AS TOPOGRAPHIC AND BOUNDART SURVEY.

Phase I ESA - Owner Questionnaire
NTH Project No. 62-190085-00
WSU Parking Lot Property
Detroit, Michigan

UTILITY INFORMATION

Circle the utilities currently servicing the property:

(municipal water)	on-site water well	community water well
(municipal sanitary sewer)	on-site septic system	community septic system
(municipal storm sewer)	on-site storm water detention	
(natural gas)	fuel oil	other, describe: ELECTRICITY TELEPHONE

Indicate the date(s) of all known utility connections: NOT APPLICABLE. SEE ABOVE CITED URBAN RENEWAL PROJECT AS WELL AS TOPOGRAPHIC AND BOUNDARY SURVEY

PREPARER INFORMATION

Signature: Vern E. Laney

VERN E. LANEY

Name & Title: SENIOR PLANNER
FACILITIES PLANNING & MANAGEMENT

Employer of Preparer: WAYNE STATE UNIVERSITY
FP&M / WSU

Relation of Preparer to the Property: EMPLOYEE

Date: MAY 21, 2019

Phone No.: (313) 577-4335

APPENDIX G

Resumes of Environmental Professionals

// Resume



Cliff J. Andrews
Senior Project Professional

Mr. Andrews has more than 30 years of experience in performing and managing soil investigations, remedial investigations, environmental due diligence assessments, demolition and construction oversight. His project work has included Phase I and II environmental site assessments, baseline environmental assessments and Compliance Analysis (Due Care) Plans, soil and groundwater contamination remedial studies, storm water illicit discharge studies, geotechnical investigations, and building demolition.

EDUCATION

Schoolcraft College

- Associates, Applied Science

PROFESSIONAL LICENSES AND CERTIFICATIONS

- State Michigan Certified Asbestos Inspector
- 40-Hour Hazardous Waste Activities Health and Safety Training per 29 CFR 1910.120, with yearly 8-hour refresher courses as required.

PROFESSIONAL ASSOCIATIONS

- Michigan Association of Environmental Professionals

SELECTED PROJECT EXPERIENCE

Inner-Circle Greenway Project Area (2014- present)
Task Manager: Served as Task Manager for conducting Phase I and II Environmental Site Assessments for 8 mile corridor through Detroit and Highland Park. Prepared Phase I and Phase II ESA reports.

Dequindre Cut (2011-2012)
Task Manager: Served as Task Manager for conducting Phase I and II Environmental Site Assessments for 0.5 mile long abandoned railroad corridor in Detroit. Prepared Phase I and II ESA reports, Baseline Environmental report, and Due Care Plan to be utilized during construction.

District of Detroit (2017 - Ongoing)
Detroit, Michigan
Project Manager: Severed as Task Manager for Demolition Services for Olympia Development of Michigan. The project included management and engineering services for demolition of eleven commercial buildings. NTH was retained to conduct Hazardous Material Survey (HMS), prepare bid documents/ specifications for the abatement of hazardous materials and demolition, assist in trade contractor procurement, provide management and oversight for waste/ debris removal, hazardous materials abatement, building demolition and site restoration.

Entertainment and Events Center (EEC), The District, Little Caesars Arena (2007 to present)
Task Manager: Served as Task Manager for conducting Phase I and II Environmental Site Assessments (ESAs) of over 200 parcels in Detroit. Prepared Phase I and Phase II ESA reports, over 20 Baseline Environmental Assessment reports, and Due Care Plans to be utilized during construction.

Oakland-Macomb Interceptor Drain (OMID) (2012-2014)
Task Manager: Served as Task Manager for conducting Phase I and II Environmental Site Assessments (ESAs) for 4 sewer corridors ranging in size from approximately 2.5 to 8 miles long in Detroit, Warren, Utica, Shelby Township and Sterling Heights. Prepared Phase I and Phase II ESA reports

SELECTED PROJECT EXPERIENCE (continued)

Middlebelt Transport and Storage Tunnel (on-going)
Task Manager responsible for field coordination, review of analysis, recommendations and development of reports for environmental due diligence along 7,600 foot long tunnel with Middlebelt Road right-of-way. Tasks included: Project Area Contamination Survey (PACS) and Preliminary Subsurface Investigation (PSI).

14 Mile Road Pressure Reducing Valve Station (2013)
Task Manager responsible for field coordination, review of analysis, recommendations and development of reports for proposed pressure reducing station within the right-of-way of Schoenherr Road. Contamination was discovered during geotechnical investigation. Tasks included: Environmental Subsurface Investigation and Construction Due Care Plan preparation.

US-24 Brownstown (2009 - 2010)
Task Manager responsible for PACS review, field coordination, analysis, recommendations and report development for PSI.

I-94 Soundwalls (2008 - 2009)
Task Manager responsible for field coordination, analysis, recommendations and report development for Project Area Contamination Survey (PACS) and Preliminary Subsurface Investigation (PSI).

US-12 Rehabilitation Livernois to 28th Street (2008 - 2009)
Task manager responsible for PACS review, field coordination, analysis, recommendations and report development for PSI.

US-12 Rehabilitation 28th Street to I-75 (2008 – 2009)
Task Manager responsible for PACS review, field coordination, analysis, recommendations and report development for PSI.

// Resumes



Bhushan C. Modi
Vice President / Senior Principal Engineer

Mr. Modi has over 29 years of experience in performing and managing a wide variety of environmental, geotechnical and construction projects. He has extensive experience in soil investigations, remedial investigations, environmental due diligence assessments including vapor intrusion studies and due care plans, hazardous materials inventory and demolition surveys, industrial hygiene studies and Brownfield services. His project work has included site redevelopment, building demolition support, underground storage tank assessments, property transfers, and soil and groundwater remediation activities. He has successfully managed multi-disciplined teams addressing all phases of projects from coordinating and planning through construction and operation/implementation.

EDUCATION

Wayne State University
- Graduate Certificate, Environmental Auditing

University of Detroit
- MS, Civil Engineering

University of Bombay
- BS, Civil Engineering

PROFESSIONAL LICENSES AND CERTIFICATIONS

- 40-hour OSHA HAZWOPER

PROFESSIONAL ASSOCIATIONS

- Michigan Association of Environmental Professionals (President, 2015-2016)
- ASTM International (Committee member)
- Engineering Society of Detroit (committee member)
- Geoprofessional Business Association (member)

SELECTED PROJECT EXPERIENCE

Environmental Due Diligence
Assessments / Brownfield Redevelopment Performed and managed over 5,000 Phase I and Phase II environmental site assessments for private and public sector clients in US, Canada and Mexico.

Prepared and reviewed over 250 Baseline Environmental Assessments and Compliance Analysis or Due Care Plans for Brownfield redevelopment projects.

Provided management and engineering services for waste removal and industrial hygiene projects. Project tasks have included coordinating and managing asbestos and lead-based paint surveys, mold investigations and indoor air quality studies.

Monitored implementation of Due Care Plans and Construction Sequencing Plans at Brownfield sites. Monitored installation of environmental barriers and engineering controls. Developed a program of annual inspections of environmental barriers. Managed and oversaw implementation of environmental remediation and cleanups

Geotechnical/Hydrogeological Investigations
Performed and managed over 500 soil/geotechnical investigations and construction monitoring projects for residential, recreational, commercial and industrial developments.

Implemented various phases of geotechnical and hydrogeologic investigations, including supervising drilling operations, monitoring well installations, performing soil/sediment and groundwater sampling, as well as conducting aquifer testing and geophysical surveys.

Underground Storage Tank (UST) Removal/Closure Services
Managed and provided environmental consulting services for underground storage tank (UST) removal and closure projects. Prepared UST removal specifications and bid packages, participated in selecting subcontractors on client's behalf, and

communicated with appropriate regulatory agencies to achieve site closures and no further action letters.

Oversaw investigation and remediation of leaking USTs at several various educational and health care facilities in Michigan. Performed contract review, processed contractor invoices/change orders and engineering oversight.

SELECTED PROJECT EXPERIENCE (continued)

Remediation Services
Provided engineering services in a project involving remediation of soil and groundwater impacted with petroleum hydrocarbons at a former gasoline service station site. Assisted in developing a work plan for performing pilot studies and a feasibility analysis to evaluate several corrective action alternatives.

Managed a large remediation project at a dry cleaning facility with tetrachloroethene (PCE) or "Perc" contamination. Responsibilities included development of subsurface environmental investigation work plan to determine the severity and extent of PCE contamination in soil and groundwater, provide remedial alternatives, design air sparge (AS) and soil vapor extraction (SVE) system, based on design parameters and cleanup objectives designed a pilot system, and developed bid package for the construction of a remediation system.

Demolition/Site Redevelopment Activities
Performed project management and demolition oversight for various Brownfield Redevelopment Projects entailing asbestos abatement, lead-based paint evaluation, and removal and disposal of PCB/Mercury-containing equipment and other hazardous materials prior to building demolition or rehabilitation activities. Prepared and reviewed Technical Specifications and Bidding Documents for abatement/removal of hazardous materials and demolition of commercial and educational structures.

REPORT

Phase II Environmental Site Assessment

Wayne State University

Basketball Arena Project Property

Detroit, Michigan

June 20, 2019 **NTH Project No. 62-190085-02**

NTH Consultants, Ltd.
41780 Six Mile Road
Northville, MI 48168



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

41780 Six Mile Road, Suite 200
Northville, MI 48168
248.553.6300
248.324.5179 Fax

June 20, 2019
NTH Project No. 62-190085-02

Matt Walker
Project Manager
Wayne State University
Facilities Planning & Management, Design & Construction Services
5454 Cass Avenue
Detroit, Michigan 48202

RE: Report on Phase II Environmental Site Assessment
Basketball Arena Project Property
Detroit, Michigan

Dear Mr. Walker:

NTH Consultants, Ltd. (NTH) is pleased to submit this report on Phase II Environmental Site Assessment (ESA) for the above referenced property. This study was performed at your request in accordance with our proposal (NTH Proposal No. 62-190085) dated March 19, 2019.

We appreciate the opportunity to assist you with this project. Should you have any questions or require additional information on this study, please call us at 248-662-2740.

Sincerely,

NTH Consultants, Ltd.

Cliff J. Andrews
Senior Project Professional

Bhushan C. Modi
Project Manager

CJA/BCM/mam

Attachments

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APPENDICES

BORING LOCATION PLAN SAMPLE EXCEEDANCE PLAN LOG OF GEOPROBES SUMMARY OF SOIL ANALYSIS	APPENDIX A
LABORATORY DATA	APPENDIX B

1.0 EXECUTIVE SUMMARY

This report presents the results of a Phase II Environmental Site Assessment (ESA) for the for the Basketball Arena Project Property located at the northeast corner of W. Warren and Trumbull Avenues in Detroit, Michigan. The subject property is approximately six acres in size and is a grass-covered field.

This Phase II ESA was conducted to evaluate the recognized environmental conditions identified at the property during the Phase I ESA. The Phase II ESA comprised of a limited geophysical/ground penetrating radar (GPR) survey, drilling soil borings, and collection and analysis of soil samples. The geophysical survey was conducted at the location of a former gas station located on the 5080 Trumbull Avenue parcel to determine absence or presence of underground storage tanks (USTs). The GPR survey did not identify any subsurface anomalies indicative of USTs in the surveyed area.

The results of soil analysis identified heavy metals and volatile organic compounds (VOCs) above Michigan Department of Environment, Great Lakes, and Energy (EGLE) – Part 201 generic residential cleanup criteria. Thus, based upon these analytical data, the property is a *"facility"* as defined by 1994 P.A. 451, Part 201, as amended.

This summary should not be reviewed separately from the remainder of the report as it only provides a brief overview of the study, and is not a substitute for a thorough review of the entire report.

2.0 INTRODUCTION

NTH Consultants, Ltd. (NTH) was retained by Wayne State University (WSU) to perform a Phase II Environmental Site Assessment (ESA) of the Basketball Arena Project Property located at the northeast corner of W. Warren and Trumbull Avenues in Detroit, Michigan. The subject property is approximately six acres in size and is currently a grass-covered field.

NTH Phase I ESA report dated June 18, 2019 revealed the following evidence recognized environmental conditions (RECs) in connection with the property:

- The property was historically occupied by residential and commercial structures. It is unknown if all of the former structures had basements. Whether basements were present or not, the environmental nature and origin of the fill soil used as backfill material during demolition of the structures are unknown.

- Municipal records revealed permits, dated between 1925 through 1953, for residential heating oil tanks ranging in sizes from 220 to 440 gallons for the following parcels: 5053 and 5045 Lincoln, and 1318, 1347, 1423, 1438 and 1450 Putman Avenue. No information on the precise locations or removal of the tanks could be obtained from reasonably ascertainable records.

- Past use of one of the land parcels (located at 5080 Trumbull Avenue) as a gasoline service station with three underground storage tanks (USTs). No information is readily available regarding the current status of the USTs or the past occupants' hazardous material management and waste disposal practices.

- Past use of one of the land parcels (located 1320 W. Warren Avenue) for dry cleaning purposes. No information is readily available regarding the past occupants' hazardous material management and waste disposal practices.

- Two former dry cleaners (located at 1404 and 1430 W. Warren Avenue) were identified immediately to the south of the property. Based on their close proximity, the dry cleaners are considered as off-site sources of potential environmental concern.

The objective of this Phase II ESA was to evaluate the above-identified RECs to the extent possible and where access was feasible.

Note: Typically, a geophysical survey is conducted to determine absence or presence heating oil tanks identified to be associated with former residential dwellings located at 5053 and 5045 Lincoln Avenue, and 1318, 1347, 1423, 1438 and 1450 Putman Avenue parcels. NTH's test pit investigation conducted during a concurrent geotechnical investigation at the property revealed building rubble materials and demolition debris comprising bricks, concrete slabs, basement walls and foundations, which would interfere with the accuracy of the geophysical survey and not provide any meaningful data. As such, during future construction/site redevelopment activities, the subsurface excavations should be monitored for evidence of potential environmental concerns (such as buried tanks, discolored soil, soil with chemical odors or non-inert debris materials). Such conditions, if encountered, will require further evaluation by NTH to formulate an appropriate response. A geophysical survey was conducted at the former gas station parcel, since these are large capacity tanks and can be identified using a ground penetrating radar with limited disturbance from rubble and demolition materials.

3.0 SCOPE OF SERVICES

The scope of services for the Phase II ESA comprised of the following key tasks:

- Geophysical survey using ground penetrating radar was conducted at the approximate location of the former gas station site on 5080 Trumbull Avenue parcel to identify subsurface anomalies indicative of USTs.

- Soil borings were drilled to evaluate Phase I ESA-identified RECs, and facilitate the collection of soil samples for analyses.

- Soil samples were screened in the field for total volatile organic compounds (VOCs) using a portable photoionization detector (PID).

- Representative soil samples were submitted to NTH's subcontracted laboratory for chemical analyses.

- Information gathered during the Phase II ESA was evaluated and this report was prepared.

4.0 FIELD INVESTIGATION

Geophysical Survey

On May 17, 2019, a geophysical survey was performed by NTH's subcontractor, Terra Probe Environmental, Inc. (TPE), using a ground penetrating radar (GPR) unit at the 5080 Trumbull Avenue parcel. Past land use records reviewed during the Phase I ESA depicted a gas station with three USTs at this location around 1941 to 1977. No documents identifying precise locations or removal status of the tanks were readily available. Thus, this GPR survey was conducted to determine absence or presence of petroleum USTs. No subsurface anomalies indicative of USTs were identified during this survey.

Subsurface Investigation

Ten (10) geoprobe borings, designated as GP-1 though GP-10, were drilled at the property on May 17, 2019, by TPE under the presence of Andrew Kelly of NTH. The borings were advanced to depths of about 16 feet. The boring locations are depicted on the Boring Location Plan in Appendix A, and the rationale for selecting these is presented in the following table:

Boring No.	REC
GP-1	Unknown source and environmental nature of backfill materials/soil used during demolition of the former residential dwelling.
GP-2	Unknown source and environmental nature of backfill materials/soil used during demolition of the former residential dwelling.
GP-3	Unknown source and environmental nature of backfill materials/soil used during demolition of the former residential dwelling.
GP-4	Unknown source and environmental nature of backfill materials/soil used during demolition of the former residential dwelling.
GP-5	Former gas station.
GP-6	Former dry cleaner on southerly adjacent site.
GP-7	Former dry cleaner on southerly adjacent site.
GP-8	Unknown source and environmental nature of backfill materials/soil used during demolition of the former residential dwelling.
GP-9	Unknown source and environmental nature of backfill materials/soil used during demolition of the former residential dwelling.
GP-10	Former dry cleaner.

The geoprobe drilling technique involves mechanically driving or pushing a 2-inch outside diameter stainless steel sampling tool with a disposable clear acetate liner to a desired sampling depth. This technique does not generate soil cuttings because the geoprobe rods push soils away from the rods as the tool string advances through the hole. TPE steam-cleaned geoprobe equipment/tools prior to use and between each successive boring location to minimize the possibility of cross-contamination. Upon completion of drilling activities and after collecting samples, TPE backfilled the boreholes with soil cuttings.

The soil samples retrieved from the borings were screened in the field with a RAE Systems MiniRae™ PID. The PID is capable of detecting total VOCs, which include many petroleum-related substances, to a detection level of one part per million (ppm). The field PID measurements on the soil samples are shown on the boring logs in Appendix A. As indicated

on the boring logs, VOC readings ranged from less than the detection limit of the PID to about 300 ppm in a soil sample from GP-5 (former gas station parcel). Petroleum odors and soil staining were also evident in this sample.

5.0 SUBSURFACE DATA

Subsurface conditions observed in each boring are presented on the Log of Geoprobe Borings in Appendix A. The stratification shown on the boring logs represents the approximate boundary between soil types; the actual transition may be more gradual. In addition, the soil layers are described based on field classification of observed soil samples; accordingly, the soil layer descriptions are considered generalized.

The subsurface conditions at the boring locations comprised of up to 8 feet of sandy and clayey fill soil mixed with pieces of concrete and brick. The fill soil is underlain by native clayey soils with occasional silt layers to the explored depths. No groundwater was encountered in the borings.

6.0 ANALYTICAL TESTING

Soil samples for analysis were collected based on the results of the field screening with PID, and visual and olfactory observations. The soil samples were collected in a laboratory-supplied containers, which were stored in ice-chilled insulated coolers. The samples were released to NTH's subcontracted laboratory, Fibertec Environmental Services (FES), in accordance with NTH's chain-of-custody procedures.

The soil samples were analyzed for VOCs, polynuclear aromatics (PNAs), and the Michigan 10 metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver and zinc). The soil samples were prepared in the field for VOC analysis using Michigan-modified methanol preservation (EPA Method 5035). Laboratory data for the soil analysis are included in Appendix B.

7.0 EVALUATION OF ANALYTICAL DATA

The analytical data were compared to the EGLE-established generic residential cleanup criteria (GRCC), dated December 30, 2013 and updated June 25, 2018, pursuant to 1994 P.A. 451, Part 201, as amended.

The soil analytical results were compared to direct contact (DC) criteria, drinking water protection (DWP) criteria, groundwater/surface water interface protection (GSIP) criteria, soil volatilization to indoor air criteria (SVIIC), infinite source soil volatilization to ambient air criteria (VSIC), particulate soil inhalation criteria (PSIC), soil saturation concentration screening levels (SSCSL). The results of heavy metals analysis were also compared to the statewide default background (SWDB) concentrations as established by EGLE. The results of metals analysis were only compared to GRCC if the concentration of that metal was above the SWDB.

The soil data were also compared to the EGLE's Nonresidential Media-Specific Volatilization to Indoor Air Interim Action Screening Levels (VIAIASL), dated August 2017. The soil analytical data along with Part 201 GRCC are summarized in a table in Appendix A. A Sample Exceedance Plan depicting soil samples exceeding Part 201 GRCC is also included in Appendix A.

Volatile Organic Compounds (VOCs)

VOCs in the soil samples were either not detected above laboratory method detection limits (MDLs) or where detected, the reported levels were below Part 201 GRCC, except for the following:

VOC	Sample Location	Part 201 GRCC Exceeded
Benzene	GP-5	DWP
n-Butylbenzene	GP-5	DWP
Ethylbenzene	GP-5	DWP and GSIP
Naphthalene	GP-3 and GP-5	GSIP
n-Propylbenzene	GP-5	DWP
1,2,4-Trimethylbenzene	GP-5	DWP and GSIP
1,3,5-Trimethylbenzene	GP-5	DWP and GSIP
Xylenes	GP-5	DWP and GSIP

Benzene, Ethylbenzene, 1,2,3-Trimethylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and Xylenes were also detected in a soil sample from GP-5 above the Nonresidential Media-Specific VIAIASL.

Polynuclear Aromatics (PNAs)

PNAs in the soil samples were either not detected above laboratory MDLs or where detected, the reported levels were below Part 201 GRCC, except for Naphthalene (VOC & PNA compound), which was detected in a sample from GP-5 above Part 201 GSIP criteria.

Heavy Metals

The following heavy metals were detected in the soil samples above statewide default background levels as well as Part 201 GRCC:

Metal	Sample Location	Part 201 GRCC Exceeded
Arsenic	GP-2, GP-7 and GP-8	DWP and GSIP
	GP-1, GP-3, GP-5, GP-6, and GP-9	DWP, GSIP, DC
Mercury	GP-3 and GP-9	GSIP
Selenium	GP-3 and GP-4	GSIP

Mercury was also detected in the soil samples from GP-3 and GP-9 above the Nonresidential Media-Specific VIAIASL.

8.0 CONCLUSIONS

NTH's Phase II ESA at the property comprised of a GPR survey, drilling soil borings, and collection and analysis of soil samples to evaluate the RECs identified during the Phase I ESA. The GPR survey at the location of the former gas station did not reveal any subsurface anomalies indicative of petroleum USTs.

The following hazardous substances or analytical parameters were identified above Part 201 GRCC in the analyzed soil samples:

Contaminant	CAS Nos.	Sample Location	Part 201 GRCC Exceeded
Arsenic	7440-38-2	GP-2, GP-7 and GP-8	DWP and GSIP
Mercury	7439-97-6	GP-1, GP-3, GP-5, GP-6, and GP-9	GSIP
Selenium	7782-49-2	GP-3 and GP-9	GSIP
Benzene	71-43-2	GP-5	DWP
n-Butylbenzene	104-51-8	GP-5	DWP
Ethylbenzene	100-41-4	GP-5	DWP and GSIP
Naphthalene	91-20-3	GP-2 and GP-5	GSIP
n-Propylbenzene	103-65-1	GP-5	DWP
1,2,4-Trimethylbenzene	95-63-6	GP-5	DWP and GSIP
1,3,5-Trimethylbenzene	108-67-8	GP-5	DWP and GSIP
Xylenes	1330-20-7	GP-5	DWP and GSIP

Based on the exceedance of Part 201 GRCC, the property is a *"facility"* as defined by 1994 P.A. 451, Part 201, as amended. According to Section 20101(1)(s) of Part 201 of NREPA (1994 P.A. 451, as amended), *"facility means any area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located."*

Mercury, Benzene, Ethylbenzene, 1,2,3-Trimethylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and xylenes were detected in the soil samples at concentrations above Nonresidential Media-Specific VIAIASL. As such, further evaluation comprising of soil gas sampling and analysis is recommended at the location of the future building at the property to evaluate indoor air risk to the building occupants.

Under Section 20107a of Part 201, a person who owns or operates property that he/she has knowledge is a *"facility"* must do the following:

1. Prevent exacerbation of the existing contamination.

2. Prevent unacceptable human exposure and mitigate fire and explosion hazards to allow for the intended use of the facility in a manner that protects the public health and safety.

3. Take reasonable precautions against the reasonably foreseeable acts or omissions of a third party.

4. Provide reasonable cooperation, assistance, and access to the persons that are authorized to conduct response activities at the property.

5. Comply with any land use or resource use restrictions established or relied on in connection with the response activities.

6. Not impede the effectiveness or integrity of any land use or resource use restriction.

A document or plan to fulfill above mentioned due care obligations is recommended for the property. A soil management and handling plan should be also prepared and provided to project contractors prior to site redevelopment/construction activity at the property.

9.0 LIMITATIONS

The evaluations and conclusions presented in this report have been made to assist WSU in making a reasonable assessment of risk with respect to subsurface contamination at the property from the RECs identified during the Phase I ESA. Considering the limited scope of the present investigation, data collection and testing, our findings should not be construed as absolute certainties, but rather as probabilities based on our professional judgment. NTH cannot offer any form of warranty or guarantee with respect to the type and extent of hazardous substances on the property, other than those identified and discussed in this report.

This report is for the use and benefit of, and may be relied upon by The Board of Governors of Wayne State University and WSU's Facilities Planning & Management, Design & Construction Services Department. This report presents NTH's opinion of the property as of the report's publication date, based on the results of this study and on the information provided during the course of the study. The results of this study may not be relied upon by parties other than those identified above without the prior knowledge and written consent of NTH.

Any authorized third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, and with the acknowledgment that actual site conditions may change with time, and that hidden conditions may exist at the property that were not discovered within the authorized scope of the assessment.

Any use by or distribution of this report to any unauthorized third parties, without the express written consent of NTH is at the sole risk and expense of such third party. In the absence of a written agreement with NTH granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against NTH or its officers, employees, vendors, affiliates successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold NTH and its respective officers, employees, vendors, affiliates, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses including attorneys' fees and costs attributable to such use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted.

APPENDIX A

Boring Location Plan;

Sample Exceedance Plan;

Log of Geoprobes; and

Summary of Soil Analysis

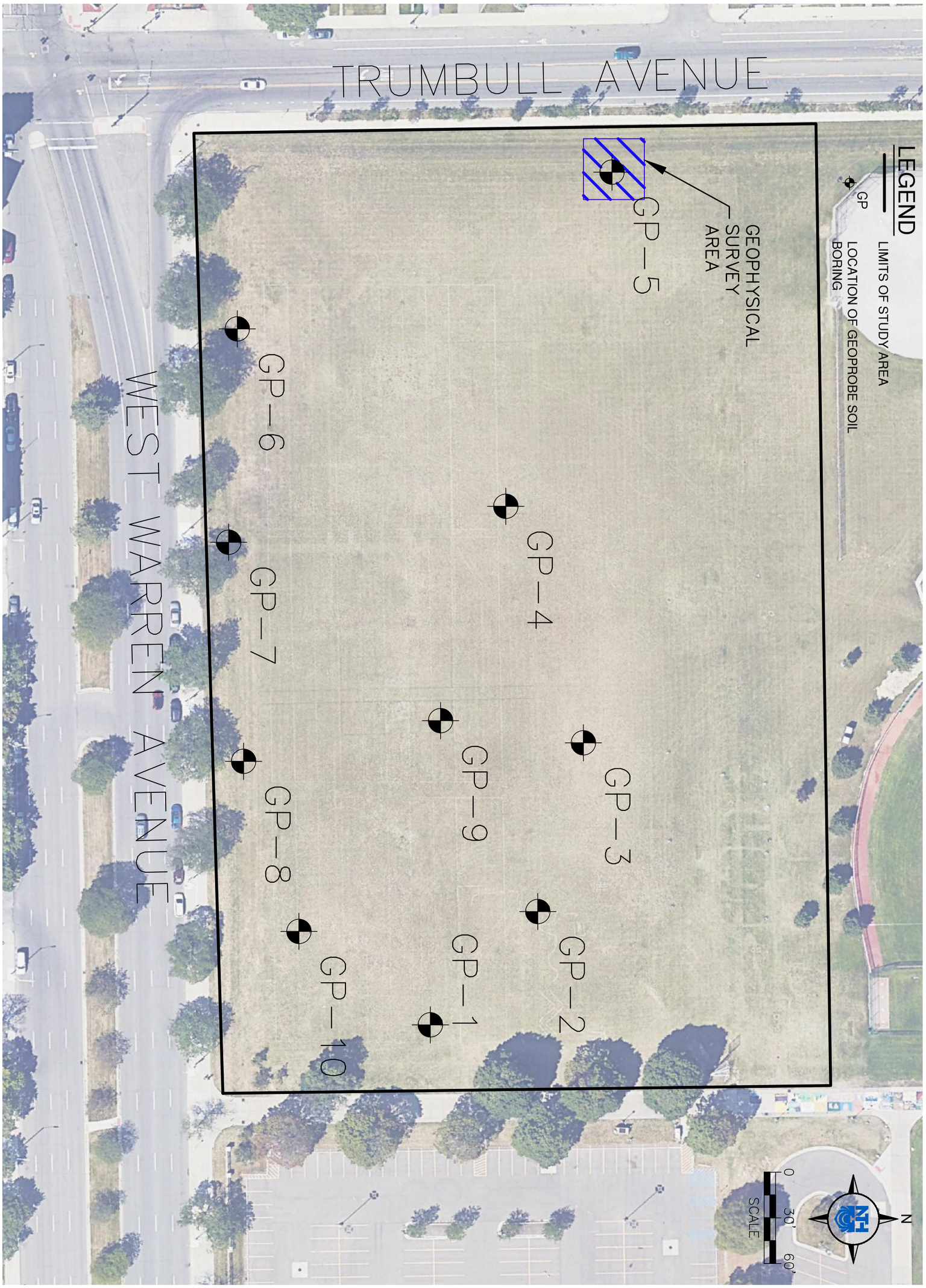


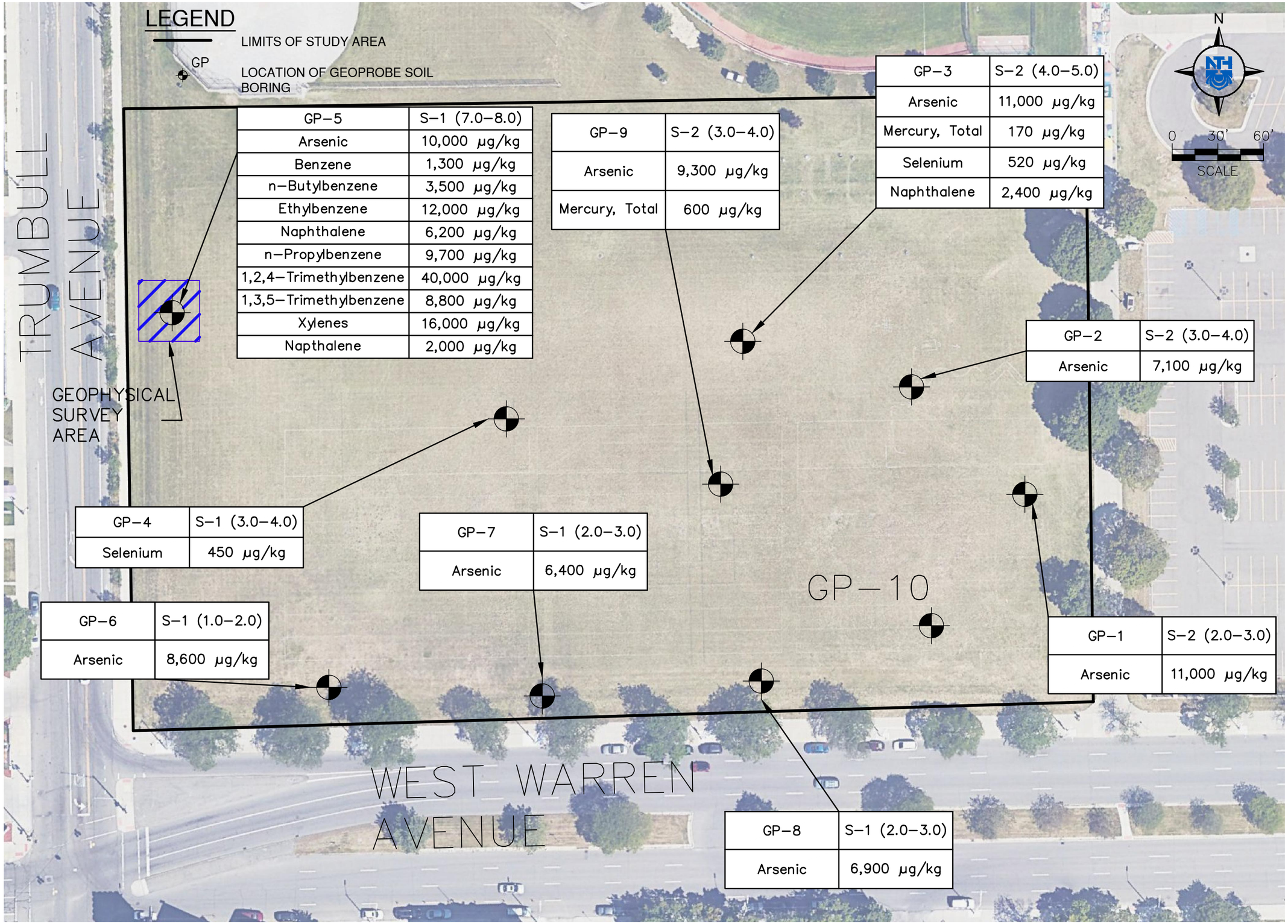
FIGURE: 1

BORING LOCATION PLAN

BASKETBALL ARENA PROJECT
DETROIT, MICHIGAN

NTH PROJECT No.: 62-190085-01	CAD FILE NAME: 190085-BLP(2)
DESIGNED BY: ACK	PLOT DATE: 6/17/2019
DRAWN BY: ACK	DRAWING SCALE: 1" = 60'
CHECKED BY: CJA	INCEPTION DATE: 4/23/2019

NTH Consultants, Ltd.
Infrastructure Engineering and Environmental Services



GP–5	S–1 (7.0–8.0)
Arsenic	10,000 µg/kg
Benzene	1,300 µg/kg
n–Butylbenzene	3,500 µg/kg
Ethylbenzene	12,000 µg/kg
Naphthalene	6,200 µg/kg
n–Propylbenzene	9,700 µg/kg
1,2,4–Trimethylbenzene	40,000 µg/kg
1,3,5–Trimethylbenzene	8,800 µg/kg
Xylenes	16,000 µg/kg
Napthalene	2,000 µg/kg

GP–9	S–2 (3.0–4.0)
Arsenic	9,300 µg/kg
Mercury, Total	600 µg/kg

GP–3	S–2 (4.0–5.0)
Arsenic	11,000 µg/kg
Mercury, Total	170 µg/kg
Selenium	520 µg/kg
Naphthalene	2,400 µg/kg

GP–2	S–2 (3.0–4.0)
Arsenic	7,100 µg/kg

GP–4	S–1 (3.0–4.0)
Selenium	450 µg/kg

GP–7	S–1 (2.0–3.0)
Arsenic	6,400 µg/kg

GP–6	S–1 (1.0–2.0)
Arsenic	8,600 µg/kg

GP–1	S–2 (2.0–3.0)
Arsenic	11,000 µg/kg

GP–8	S–1 (2.0–3.0)
Arsenic	6,900 µg/kg

NTH Consultants, Ltd.
Infrastructure Engineering and Environmental Services

NTH PROJECT No.:	62–190085–01
DESIGNED BY:	ACK
DRAWN BY:	ACK
CHECKED BY:	CJA
CAD FILE NAME:	190085–SEP
PLOT DATE:	6/17/2019
DRAWING SCALE:	1" = 60'
INCEPTION DATE:	4/23/2019

SAMPLE EXCEEDANCE PLAN

BASKETBALL ARENA PROJECT
DETROIT, MICHIGAN

FIGURE:
1

j:\2019\62\190085\reports\esa\190085–sep.dwg Plotted: 6/17/2019 3:26 PM by akelly

PROJECT NO: 62-190085-02	NTH CONSULTANTS, LTD.	SHEET 1 OF 5

LOG OF GEOPROBE BORINGS

BORING NO.	GROUND SURFACE ELEVATION	DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE INFORMATION			
				SAMPLE NO.	DEPTH (FEET) FROM	DEPTH (FEET) TO	PID READING (PPM)
GP-1	N/A	0.0-0.75	**FILL:** DARK BROWN **SILTY CLAY**				
		0.75-1.0	**FILL:** BROWN **SAND**		0.0	1.0	<1
		1.0-3.0	**FILL:** BROWN **SILTY CLAY** WITH PIECES OF BRICK AND CONCRETE	S-1	1.0	2.0	<1
				S-2*	2.0	3.0	<1
		3.0-13.0	BROWN **SILTY CLAY**		3.0	4.0	<1
					4.0	5.0	<1
					5.0	7.0	<1
					7.0	8.0	<1
					8.0	9.0	<1
					9.0	11.0	<1
					11.0	12.0	<1
		13.0-16.0	GRAY **SILTY CLAY**		12.0	14.0	<1
					14.0	16.0	<1
			GROUNDWATER NOT ENCOUNTERED				
GP-2	N/A	0.0-0.5	**FILL:** DARK BROWN **SILTY CLAY**		--	--	
		0.5-1.0	**FILL:** BROWN **SAND**		0.5	1.5	<1
		1.0-4.0	**FILL:** BROWN **SILTY CLAY** WITH PIECES OF BRICK AND CONCRETE	S-1	1.5	2.5	<1
					2.0	3.0	<1
				S-2*	3.0	4.0	<1
		4.0-16.0	BROWN **SILTY CLAY**		4.0	5.0	<1
					5.0	7.0	<1
					7.0	8.0	<1
					8.0	10.0	<1
					10.0	12.0	<1
					12.0	14.0	<1
					14.0	16.0	<1
			GROUNDWATER NOT ENCOUNTERED				

NOTES:

- BORINGS BACKFILLED WITH SOIL CUTTINGS & HYDRATED BENTONITE PELLETS AFTER OBTAINING SOIL SAMPLES.
- BORINGS OBSERVED BY A. KELLY OF NTH CONSULTANTS, LTD.
- SOIL CLASSIFICATION BASED SOLELY ON VISUAL OBSERVATION.
- * SAMPLE SUBMITTED FOR ANALYTICAL TESTING.

DRILLED BY: TERRA PROBE ENVIRONMENTAL, INC. **DATE:** MAY 17, 2019 **FIGURE NO: 2**

PROJECT NO: 62-190085-02	NTH CONSULTANTS, LTD.	SHEET 2 OF 5

LOG OF GEOPROBE BORINGS

BORING NO.	GROUND SURFACE ELEVATION	DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE INFORMATION			
				SAMPLE NO.	DEPTH (FEET) FROM	DEPTH (FEET) TO	PID READING (PPM)
GP-3	N/A	0.0-0.75	**FILL:** DARK BROWN **SILTY CLAY**				
		0.75-1.5	**FILL:** BROWN **SAND**		0.0	1.0	<1
		1.5-5.5	**FILL:** DARK BROWN **SILTY CLAY** WITH PIECES OF BRICK AND WOOD		1.0	2.0	<1
				S-1	2.0	3.0	<1
					3.0	4.0	<1
				S-2*	4.0	5.0	<1
		5.5-14.0	BROWN **SILTY CLAY**		5.0	6.0	<1
					6.0	8.0	<1
					8.0	10.0	<1
					10.0	12.0	<1
					12.0	14.0	<1
		14.0-16.0	GRAY **SILTY CLAY**		14.0	16.0	<1
			GROUNDWATER NOT ENCOUNTERED				
GP-4	N/A	0.0-0.75	**FILL:** DARK BROWN **SILTY CLAY**				
		0.75-1.0	**FILL:** BROWN **SAND**		0.0	1.0	<1
		1.0-4.0	**FILL:** DARK BROWN **SILTY CLAY** WITH PIECES OF BRICK		1.0	2.0	<1
					2.0	3.0	<1
				S-1*	3.0	4.0	<1
		4.0-16.0	BROWN **SILTY CLAY**		4.0	6.0	<1
					6.0	8.0	<1
					8.0	10.0	<1
					10.0	12.0	<1
					12.0	14.0	<1
					14.0	16.0	<1
			GROUNDWATER NOT ENCOUNTERED				

NOTES:

- BORINGS BACKFILLED WITH SOIL CUTTINGS & HYDRATED BENTONITE PELLETS AFTER OBTAINING SOIL SAMPLES.
- BORINGS OBSERVED BY A. KELLY OF NTH CONSULTANTS, LTD.
- SOIL CLASSIFICATION BASED ON VISUAL OBSERVATION.
- * SAMPLE SUBMITTED FOR ANALYTICAL TESTING.

DRILLED BY: TERRA PROBE ENVIRONMENTAL, INC. **DATE:** MAY 17, 2019 **FIGURE NO: 2**

PROJECT NO: 62-190085-02	NTH CONSULTANTS, LTD.	SHEET 3 OF 5

LOG OF GEOPROBE BORINGS

Boring No.	Ground Surface Elevation	Depth (feet)	SOIL DESCRIPTION	Sample Information			
				Sample No.	Depth (feet) From	Depth (feet) To	PID Reading (ppm)
GP-5		0.0-0.75	**Fill:** Dark Brown **SILTY CLAY**				
		0.75-1.0	**Fill:** Brown **SAND**		0.0	1.0	<1
		1.0-3.5	**Fill:** Dark Gray **SILTY CLAY**		1.0	3.0	<1
					3.0	3.5	<1
		3.5-4.0	**Fill: BRICK** fragments				
		4.0-6.0	**Fill:** Brown **SILTY CLAY** with pieces of brick and concrete		4.0	6.0	<1
		6.0-8.0	**Fill:** Gray **SILTY CLAY** with greenish stains and petroleum odor		6.0	7.0	28
				S-1*	7.0	8.0	300
		8.0-16.0	Brown **SILTY CLAY** with petroleum odor at about 8 to 9 feet		8.0	9.0	153
					9.0	10.0	31
					10.0	11.0	28
					11.0	12.0	27
					12.0	14.0	<1
					14.0	16.0	<1
			Groundwater Not Encountered				
GP-6	N/A	0.0-0.5	**Fill:** Dark Brown **SILTY CLAY**				
		0.5-2.0	**Fill:** Brown **SILTY CLAY**		0.0	1.0	<1
				S-1*	1.0	2.0	<1
		2.0-14.0	Brown **SILTY CLAY** with silt seams		2.0	4.0	<1
					4.0	5.0	<1
		14.0-16.0	Gray **SILTY CLAY**		5.0	7.0	<1
					7.0	8.0	<1
					8.0	10.0	<1
					10.0	12.0	<1
					12.0	14.0	<1
					14.0	16.0	<1
			Groundwater Not Encountered				

NOTES:

- Borings backfilled with soil cuttings & hydrated bentonite pellets after obtaining soil samples.
- Borings observed by A. Kelly of NTH Consultants, Ltd.
- Soil classification based on visual observation.
- * Sample submitted for analytical testing.

DRILLED BY: Terra Probe Environmental, Inc. **DATE:** May 17, 2019 **FIGURE NO: 2**

PROJECT NO: 62-190085-02	NTH CONSULTANTS, LTD.	SHEET 4 OF 5

LOG OF GEOPROBE BORINGS

BORING NO.	GROUND SURFACE ELEVATION	DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE INFORMATION			
				SAMPLE NO.	DEPTH (FEET) FROM	DEPTH (FEET) TO	PID READING (PPM)
GP-7	N/A	0.0-0.5	**FILL:** DARK BROWN **SILTY CLAY**				
		0.5-4.0	**FILL:** DARK GRAY **SILTY CLAY** WITH ASPHALT PIECES		0.0	1.0	<1
					1.0	2.0	<1
				S-1*	2.0	3.0	3.0
					3.0	4.0	2.0
		4.0-14.0	BROWN **SILTY CLAY**		4.0	6.0	2.5
					6.0	8.0	2.5
					8.0	10.0	2.5
					10.0	12.0	2.0
					12.0	14.0	<1
		14.0-16.0	GRAY **SILTY CLAY**		14.0	16.0	<1
			GROUNDWATER NOT ENCOUNTERED				
GP-8	N/A	0.0-0.75	**FILL:** DARK BROWN **SILTY CLAY**				
		0.75-3.0	**FILL:** DARK GRAY **SILTY CLAY**		0.0	1.0	<1
					1.0	2.0	<1
		3.0-15.0	BROWN **SILTY CLAY**	S-1*	2.0	3.0	<1
					3.0	4.0	<1
					4.0	6.0	<1
		15.0-16.0	GRAY **SILTY CLAY**		6.0	8.0	<1
					8.0	10.0	<1
					10.0	12.0	<1
					12.0	14.0	<1
					14.0	16.0	<1
			GROUNDWATER NOT ENCOUNTERED				

NOTES:

- BORINGS BACKFILLED WITH SOIL CUTTINGS & HYDRATED BENTONITE PELLETS AFTER OBTAINING SOIL SAMPLES.
- BORINGS OBSERVED BY A. KELLY OF NTH CONSULTANTS, LTD.
- SOIL CLASSIFICATION BASED ON VISUAL OBSERVATION.
- * SAMPLE SUBMITTED FOR ANALYTICAL TESTING.

DRILLED BY: TERRA PROBE ENVIRONMENTAL, INC. **DATE:** MAY 17, 2019 **FIGURE NO: 2**

PROJECT NO: 62-190085-02	NTH CONSULTANTS, LTD.	SHEET 5 OF 5

LOG OF GEOPROBE BORINGS

Boring No.	Ground Surface Elevation	Depth (feet)	Soil Description	Sample Information			
				Sample No.	Depth (feet) From	Depth (feet) To	PID Reading (ppm)
GP-9	N/A	0.0-0.75	**Fill:** Dark Brown **SILTY CLAY**				
		0.75-1.0	**Fill:** Brown **SAND**		0.0	1.0	<1
		1.0-4.5	**Fill:** Dark Brown **SILTY CLAY** with pieces of brick	S-1	1.0	2.0	2.5
					2.0	3.0	<1
				S-2*	3.0	4.0	2.0
		4.5-15.0	Brown **SILTY CLAY**		4.0	6.0	2.0
					6.0	8.0	<1
					8.0	10.0	<1
					10.0	12.0	<1
					12.0	14.0	<1
		15.0-16.0	Gray **SILTY CLAY**		14.0	16.0	<1
			Groundwater Not Encountered				
GP-10	N/A	0.0-1.0	**Fill:** Dark Brown **SILTY CLAY**				
		1.0-2.0	**Fill:** Brown **SAND**	S-1	1.0	3.0	2.5
		2.0-4.0	**Fill:** Dark Brown **SILTY CLAY** with pieces of brick				
				S-2	3.0	4.0	2.0
		4.0-13.0	Brown **SILTY CLAY** with silt seams		4.0	6.0	2.0
				S-3*	6.0	8.0	3.0
					8.0	10.0	<1
					10.0	12.0	<1
		13.0-16.0	Gray **SILTY CLAY**		12.0	14.0	<1
					14.0	16.0	<1
			Groundwater Not Encountered				

NOTES:

- Borings backfilled with soil cuttings & hydrated bentonite pellets after obtaining soil samples.
- Borings observed by A. Kelly of NTH Consultants, Ltd.
- Soil classification based on visual observation.
- * Sample submitted for analytical testing.

DRILLED BY: Terra Probe Environmental, Inc. **DATE:** May 17, 2019 **FIGURE NO:** 2

SUMMARY OF SOIL ANALYSES
WSU - BASKETBALL ARENA PROJECT
NTH Project No. 62-190085-02

Sample Designation	Sample Depth (ft)	Sampling Date	Michigan 10 Metals										VOCs												PNAs								
			Arsenic	Barium	Cadmium	Chromium, Total	Copper	Lead	Mercury, Total	Selenium	Silver	Zinc	Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropyl benzene	2-Methylnaphthalene	Naphthalene	n-Propylbenzene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Fluoranthene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
			7440-38-2	7440-39-3	7440-43-9	7440-47-3	7440-50-8	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	71-43-2	104-51-8	135-98-8	100-41-4	98-82-8	91-57-6	91-20-3	103-65-1	526-73-8	95-63-6	108-67-8	1330-20-7	56-55-3	50-32-8	205-99-2	218-01-9	206-44-0	91-57-6	91-20-3	85-01-8	129-00-0
GP-1 S-2	(2 - 3)	05/17/19	**11,000**	**64,000**	**300**	**18,000**	**15,000**	**9,100**	<50	**310**	<100	**61,000**	<50	<50	<50	<50	<250	<330	<330	<100	<100	<100	<100	<150	<330	<330	<330	<330	<330	<330	<330	<330	<330
GP-2 S-2	(3 - 4)	05/17/19	**7,100**	**44,000**	**210**	**12,000**	**14,000**	**14,000**	**86**	**270**	<100	**43,000**	<50	<50	<50	<50	<250	<330	<330	<100	<100	<100	<100	<150	<330	<330	<330	<330	<330	<330	<330	<330	<330
GP-3 S-2	(4 - 5)	05/17/19	**11,000**	**110,000**	**1,400**	**15,000**	**23,000**	**190,000**	**170**	**520**	**150**	**150,000**	<50	<66	<50	<50	<250	**1,000**	**2,400**	<100	<100	<100	<100	<150	**410**	**380**	**540**	**360**	**810**	<330	<330	**470**	**780**
GP-4 S-1	(3 - 4)	05/17/19	**5,400**	**60,000**	**260**	**14,000**	**7,100**	**9,100**	**58**	**450**	<100	**56,000**	<50	<67	<50	<50	<250	<330	<330	<100	<100	<100	<100	<150	<330	<330	<330	<330	**350**	<330	<330	<330	**330**
GP-5 S-1	(7 - 8)	05/17/19	**10,000**	**54,000**	**94**	**16,000**	**18,000**	**10,000**	<50	<200	<100	**47,000**	**1,300**	**3,500**	**960**	**12,000**	**2,900**	**2,500**	**6,200**	**9,700**	**11,000**	**40,000**	**8,800**	**16,000**	<330	<330	<330	<330	<330	**890**	**2,000**	<330	<330
GP-6 S-1	(1 - 2)	05/17/19	**8,600**	**57,000**	**200**	**17,000**	**9,700**	**9,200**	<50	**250**	<100	**58,000**	<50	<83	<50	<50	<250	<330	<330	<100	<100	<100	<100	<150	<330	<330	<330	<330	<330	<330	<330	<330	<330
GP-7 S-1	(2 - 3)	05/17/19	**6,400**	**60,000**	**210**	**15,000**	**16,000**	**19,000**	**120**	**390**	<100	**51,000**	<50	<69	<50	<50	<250	<330	<330	<100	<100	<100	<100	<150	<330	<330	<330	<330	<330	<330	<330	<330	<330
GP-8 S-1	(2 - 3)	05/17/19	**6,900**	**60,000**	**290**	**18,000**	**16,000**	**38,000**	**72**	**390**	<100	**73,000**	<50	<50	<50	<50	<250	<330	<330	<100	<100	<100	<100	<150	<330	<330	<330	<330	<330	<330	<330	<330	<330
GP-9 S-2	(3 - 4)	05/17/19	**9,300**	**90,000**	**350**	**16,000**	**19,000**	**70,000**	**600**	**300**	<100	**88,000**	<50	<50	<50	<50	<250	<330	<330	<100	<100	<100	<100	<150	<330	<330	<330	<330	<330	<330	<330	<330	<330
GP-10 S-3	(6 - 8)	05/17/19	**5,500**	**27,000**	**130**	**8,000**	**8,900**	**4,700**	<50	<200	<100	**30,000**	<50	<50	<50	<50	<250	<330	<330	<100	<100	<100	<100	<150	<330	<330	<330	<330	<330	<330	<330	<330	<330
PART 201 RESIDENTIAL SOIL CLEANUP CRITERIA		SWDB	5,800	75,000	1,200	18,000	32,000	21,000	130	410	1,000	47,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		DWP	4,600	1.3E+06	6,000	30,000	5.8E+06	7.0E+05	1,700	4,000	4,500	2.4E+06	100	1,600	1,600	1,500	91,000	57,000	35,000	1,600	NA	2,100	1,800	5,600	NLL	NLL	NLL	NLL	7.3E+05	57,000	35,000	56,000	4.8E+05
		GSIP	4,600	4.4E+05 (G)	3,000(G,X)	3,300	73,000(G)	2.5E+06(G,X)	50 (M); 1.2	400	100 (M); 27	1.7E+05(G)	4,000 (X)	ID	ID	360	3,200	4,200	730	ID	NA	570	1,100	980	NLL	NLL	NLL	NLL	5,500	4,200	730	2,100	ID
		SVIIC	NLV	NLV	NLV	NLV	NLV	NLV	48,000	NLV	NLV	NLV	1,600	ID	ID	87,000	4.0E+05	2.7E+06	2.5E+05	ID	NA	4.3E+06	2.6E+06	6.3E+06	NLV	NLV	ID	ID	1.0E+09	2.7E+06	2.5E+05	2.8E+06	1.0E+09
		VSIC	NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV	13,000	ID	ID	7.2E+05	1.7E+06	1.5E+06	3.0E+05	ID	NA	2.1E+07	1.6E+07	4.6E+07	NLV	NLV	ID	ID	7.4E+08	1.5E+06	3.0E+05	1.6E+05	6.5E+08
		VSIC 5M	NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV	34,000	ID	ID	1.0E+06	1.7E+06	1.5E+06	3.0E+05	ID	NA	5.0E+08	3.8E+08	6.1E+07	NLV	NLV	ID	ID	7.4E+08	1.5E+06	3.0E+05	1.6E+05	6.5E+08
		VSIC 2M	NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV	79,000	ID	ID	2.2E+06	2.8E+06	1.5E+06	3.0E+05	ID	NA	5.0E+08	3.8E+08	1.3E+08	NLV	NLV	ID	ID	7.4E+08	1.5E+06	3.0E+05	1.6E+05	6.5E+08
		PSIC	7.2E+05	3.3E+08	1.7E+06	2.6E+05	1.3E+08	1.0E+08	2.0E+07	1.3E+08	6.7E+06	ID	3.8E+08	2.0E+09	4.0E+08	1.0E+10	5.8E+09	6.7E+08	2.0E+08	1.3E+09	NA	8.2E+10	8.2E+10	2.9E+11	ID	1.5E+06	ID	ID	9.3E+09	6.7E+08	2.0E+08	6.7E+06	6.7E+09
		DC	7,600	3.7E+07	5.5E+05	2.5E+06	2.0E+07	4.0E+05	1.6E+05	2.6E+06	2.5E+06	1.7E+08	1.8E+05	2.5E+06	2.5E+06	2.2E+07	2.5E+07	8.1E+06	1.6E+07	2.5E+06	NA	3.2E+07	3.2E+07	4.1E+08	20,000	2,000	20,000	2.0E+06	4.6E+07	8.1E+06	1.6E+07	1.6E+06	2.9E+07
		SSCSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.0E+05	1.0E+07	1.0E+07	1.4E+05	3.9E+05	NA	NA	1.0E+07	NA	1.1E+05	9.4E+04	1.5E+05	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonresidential Vapor Intrusion Screening Level (August 2017)			NA	NA	NA	NA	NA	NA	0.12	NA	NA	NA	12	NA	NA	86	NA	NA	NA	NA	1,200	650	450	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

[1] THE PART 201 CRITERIA EFFECTIVE DATE: JUNE 25, 2018
[2] SAMPLES COLLECTED BY NTH CONSULTANTS PERSONNEL AND ANALYZED BY FIBERTEC ENVIRONMENTAL SERVICES OF HOLT, MICHIGAN.
[3] ALL VALUES PRESENTED AS µG/KG - MICROGRAMS PER KILOGRAM (≈ PARTS PER BILLION).
[4] ID - INADEQUATE DATA TO DEVELOP CRITERION
[5] NLV - CHEMICAL IS NOT LIKELY TO VOLATILIZE UNDER MOST CONDITIONS
[6] NA - NOT APPLICABLE
[7] ND - NOT DETECTED ABOVE LABORATORY REPORTED METHOD DETECTION LIMITS
[8] SWDB - STATE-WIDE DEFAULT BACKGROUND
[9] DWP - RESIDENTIAL DRINKING WATER PROTECTION CRITERIA
[10] GSIP - GROUNDWATER / SURFACE WATER INTERFACE PROTECTION CRITERIA.
[11] SVIIC - SOIL VOLATILIZATION TO INDOOR AIR INHALATION CRITERIA.
[12] VSIC - VOLATILE SOIL INHALATION CRITERIA (AMBIENT AIR; INFINITE SOURCE).
[13] VSIC 5M - FINITE VSIC FOR 5 METER SOURCE THICKNESS
[14] VSIC 2M - FINITE VSIC FOR 2 METER SOURCE THICKNESS
[15] PSIC - PARTICULATE SOIL INHALATION CRITERIA
[16] DC - DIRECT CONTACT CRITERIA
[17] SSCSL - SOIL SATURATION CONCENTRATION SCREENING LEVELS
[18] G - AQUATIC TOXICITY IS PROPORTIONAL TO WATER HARDNESS AND/OR pH OF THE RECEIVING SURFACE WATER; THESE GSI VALUES HAVE BEEN CALCULATED BASED ON DEFAULT WATER HARDNESS OF 150 PPM AS A REASONABLE ESTIMATE FOR MOST SURFACE WATER BODIES IN MICHIGAN.
[19] X - THE GSI CRITERION LISTED MAY NOT BE PROTECTIVE FOR SURFACE WATER THAT IS USED AS A DRINKING WATER SOURCE. FOR SOIL THAT MAY LEACH AND RESULT IN A IN CLOSE GROUNDWATER DISCHARGE TO THE GREAT LAKES AND THEIR CONNECTING WATERS OR DISCHARGE IN CLOSE PROXIMITY TO A WATER SUPPLY INTAKE IN INLAND SURFACE WATERS, THE GENERIC GSI CRITERION WOULD BE THE RESIDENTIAL DWP LISTED IN THE TABLE.
[20] - REPORTED CONCENTRATION EXCEEDS ONE OR MORE APPLICABLE PART 201 CRITERIA
[21] - REPORTED CONCENTRATION EXCEEDS VAPOR INTRUSION SCREENING LEVELS

APPENDIX B

Laboratory Data

Fibertec
environmental
services

Tuesday, May 28, 2019

Fibertec Project Number:	90595
Project Identification:	WSU Property (62-190085-02) /62-190085-02
Submittal Date:	05/20/2019

Mr. Cliff Andrews
NTH Consultants, Ltd. - Northville
41780 Six Mile Road
Northville, MI 48168-3459

Dear Mr. Andrews,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

By Sharon Rakow at 3:04 PM, May 28, 2019

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-1 S-2 (2-3)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 90595-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: GP-1 S-2 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**14**		%	1	1.0	05/21/19	MC190521	05/22/19	MC190521	JBA

Michigan 10 Elements by ICP/MS **Aliquot ID: 90595-002** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: GP-1 S-2 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**11000**		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
2. Barium	**64000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
3. Cadmium	**300**		µg/kg	50	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
4. Chromium	**18000**		µg/kg	500	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
5. Copper	**15000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
6. Lead	**9100**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
7. Selenium	**310**		µg/kg	200	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
8. Silver	U		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
9. Zinc	**61000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS

Mercury by CVAAS **Aliquot ID: 90595-002** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: GP-1 S-2 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	9.0	05/22/19	PM19E22E	05/23/19	M719E23B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-1 S-2 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
3. Benzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
7. Bromoform	U		µg/kg	130	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
8. Bromomethane	U		µg/kg	200	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
9. 2-Butanone	U		µg/kg	750	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-1 S-2 (2-3)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-1 S-2 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. n-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
16. Chloroethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
17. Chloroform	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
18. Chloromethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
22. Dibromomethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	66	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
42. MTBE	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
43. Naphthalene	U		µg/kg	330	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
45. Styrene	U		µg/kg	66	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-1 S-2 (2-3)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-1 S-2 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
49. Toluene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
53. Trichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
59. Vinyl Chloride	U		µg/kg	46	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
61. o-Xylene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-1 S-2 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
3. Anthracene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
9. Chrysene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
12. Fluorene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
15. Naphthalene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-1 S-2 (2-3)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-1 S-2 (2-3)**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
17. Pyrene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-2 S-2 (3-4)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C — **Aliquot ID:** 90595-004 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** GP-2 S-2 (3-4)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**11**		%	1	1.0	05/21/19	MC190521	05/22/19	MC190521	JBA

Michigan 10 Elements by ICP/MS — **Aliquot ID:** 90595-004 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** GP-2 S-2 (3-4)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**7100**		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
2. Barium	**44000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
3. Cadmium	**210**		µg/kg	50	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
4. Chromium	**12000**		µg/kg	500	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
5. Copper	**14000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
6. Lead	**14000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
7. Selenium	**270**		µg/kg	200	10	05/22/19	PT19E22C	05/24/19	T419E24A	AMS
8. Silver	U		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
9. Zinc	**43000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS

Mercury by CVAAS — **Aliquot ID:** 90595-004 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** GP-2 S-2 (3-4)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**86**		µg/kg	50	9.2	05/22/19	PM19E22E	05/23/19	M719E23B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 90595-004A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B — **Description:** GP-2 S-2 (3-4)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
3. Benzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
7. Bromoform	U		µg/kg	120	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
8. Bromomethane	U		µg/kg	200	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
9. 2-Butanone	U		µg/kg	750	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-2 S-2 (3-4)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-2 S-2 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. n-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
16. Chloroethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
17. Chloroform	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
18. Chloromethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
22. Dibromomethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	62	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
42. MTBE	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
43. Naphthalene	U		µg/kg	330	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
45. Styrene	U		µg/kg	62	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-2 S-2 (3-4)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-2 S-2 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
49. Toluene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
53. Trichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
59. Vinyl Chloride	U		µg/kg	43	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
61. o-Xylene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-004** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-2 S-2 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
9. Chrysene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-2 S-2 (3-4)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-004** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-2 S-2 (3-4)**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
16. Phenanthrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
17. Pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-3 S-2 (4-5)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 90595-006** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: GP-3 S-2 (4-5)**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡	1. Percent Moisture (Water Content)	**13**		%	1	1.0	05/21/19	MC190521	05/22/19	MC190521	JBA

Michigan 10 Elements by ICP/MS **Aliquot ID: 90595-006** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: GP-3 S-2 (4-5)**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Arsenic	**11000**		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	2. Barium	**110000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	3. Cadmium	**1400**		µg/kg	50	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	4. Chromium	**15000**		µg/kg	500	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	5. Copper	**23000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	6. Lead	**190000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	7. Selenium	**520**		µg/kg	200	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	8. Silver	**150**		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	9. Zinc	**150000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS

Mercury by CVAAS **Aliquot ID: 90595-006** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: GP-3 S-2 (4-5)**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Mercury	**170**		µg/kg	50	8.7	05/22/19	PM19E22E	05/23/19	M719E23B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-006A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-3 S-2 (4-5)**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Acetone	U		µg/kg	1000	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡	2. Acrylonitrile	U		µg/kg	130	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	3. Benzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	4. Bromobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	5. Bromochloromethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	6. Bromodichloromethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	7. Bromoform	U		µg/kg	130	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	8. Bromomethane	U		µg/kg	200	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	9. 2-Butanone	U		µg/kg	750	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-3 S-2 (4-5)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-006A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-3 S-2 (4-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. n-Butylbenzene	U		µg/kg	66	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
13. Carbon Disulfide	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
14. Carbon Tetrachloride	U		µg/kg	66	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
15. Chlorobenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
16. Chloroethane	U	L+	µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
17. Chloroform	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
18. Chloromethane	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
21. Dibromochloromethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
22. Dibromomethane	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
26. Dichlorodifluoromethane	U		µg/kg	330	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
28. 1,2-Dichloroethane	U		µg/kg	66	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
32. 1,2-Dichloropropane	U		µg/kg	66	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
33. cis-1,3-Dichloropropene	U		µg/kg	66	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
35. Ethylbenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
37. 2-Hexanone	U		µg/kg	2500	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
38. Isopropylbenzene	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
40. Methylene Chloride	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 41. 2-Methylnaphthalene	**1000**		µg/kg	330	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
42. MTBE	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
43. Naphthalene	**2400**		µg/kg	330	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
44. n-Propylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
45. Styrene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-3 S-2 (4-5)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-006A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-3 S-2 (4-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	66	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
48. Tetrachloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
49. Toluene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
52. 1,1,2-Trichloroethane	U		µg/kg	66	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
53. Trichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
54. Trichlorofluoromethane	U	L+	µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
59. Vinyl Chloride	U		µg/kg	40	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
60. m&p-Xylene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
61. o-Xylene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 62. Xylenes	U		µg/kg	150	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-006** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-3 S-2 (4-5)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
4. Benzo(a)anthracene (SIM)	**410**		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
5. Benzo(a)pyrene (SIM)	**380**		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
6. Benzo(b)fluoranthene (SIM)	**540**		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
9. Chrysene (SIM)	**360**		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
11. Fluoranthene (SIM)	**810**		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-3 S-2 (4-5)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-006** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-3 S-2 (4-5)**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
16. Phenanthrene (SIM)	**470**		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
17. Pyrene (SIM)	**780**		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-4 S-1 (3-4)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 90595-007** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: GP-4 S-1 (3-4)**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡	1. Percent Moisture (Water Content)	**16**		%	1	1.0	05/21/19	MC190521	05/22/19	MC190521	JBA

Michigan 10 Elements by ICP/MS **Aliquot ID: 90595-007** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: GP-4 S-1 (3-4)**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Arsenic	**5400**		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	2. Barium	**60000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	3. Cadmium	**260**		µg/kg	50	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	4. Chromium	**14000**		µg/kg	500	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	5. Copper	**7100**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	6. Lead	**9100**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	7. Selenium	**450**		µg/kg	200	10	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	8. Silver	U		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
	9. Zinc	**56000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS

Mercury by CVAAS **Aliquot ID: 90595-007** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: GP-4 S-1 (3-4)**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Mercury	**58**		µg/kg	50	9.5	05/22/19	PM19E22E	05/23/19	M719E23B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-007A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-4 S-1 (3-4)**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Acetone	U		µg/kg	1000	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡	2. Acrylonitrile	U		µg/kg	130	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	3. Benzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	4. Bromobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	5. Bromochloromethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	6. Bromodichloromethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	7. Bromoform	U		µg/kg	130	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	8. Bromomethane	U		µg/kg	200	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	9. 2-Butanone	U		µg/kg	750	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-4 S-1 (3-4)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-007A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-4 S-1 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. n-Butylbenzene	U		µg/kg	67	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
13. Carbon Disulfide	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
14. Carbon Tetrachloride	U		µg/kg	67	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
15. Chlorobenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
16. Chloroethane	U	L+	µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
17. Chloroform	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
18. Chloromethane	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
21. Dibromochloromethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
22. Dibromomethane	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
26. Dichlorodifluoromethane	U		µg/kg	340	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
28. 1,2-Dichloroethane	U		µg/kg	67	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
32. 1,2-Dichloropropane	U		µg/kg	67	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
33. cis-1,3-Dichloropropene	U		µg/kg	67	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
35. Ethylbenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
37. 2-Hexanone	U		µg/kg	2500	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
38. Isopropylbenzene	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
40. Methylene Chloride	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
42. MTBE	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
43. Naphthalene	U		µg/kg	330	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
44. n-Propylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
45. Styrene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-4 S-1 (3-4)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-007A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-4 S-1 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	67	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
48. Tetrachloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
49. Toluene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
52. 1,1,2-Trichloroethane	U		µg/kg	67	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
53. Trichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
54. Trichlorofluoromethane	U	L+	µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
59. Vinyl Chloride	U		µg/kg	40	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
60. m&p-Xylene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
61. o-Xylene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 62. Xylenes	U		µg/kg	150	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-007** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-4 S-1 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
9. Chrysene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
11. Fluoranthene (SIM)	**350**		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-4 S-1 (3-4)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-007** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-4 S-1 (3-4)**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
16. Phenanthrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
17. Pyrene (SIM)	**330**		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-5 S-1 (7-8)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C — **Aliquot ID:** 90595-008 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** GP-5 S-1 (7-8)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**13**		%	1	1.0	05/21/19	MC190521	05/22/19	MC190521	JBA

Michigan 10 Elements by ICP/MS — **Aliquot ID:** 90595-008 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** GP-5 S-1 (7-8)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**10000**		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
2. Barium	**54000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
3. Cadmium	**94**		µg/kg	50	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
4. Chromium	**16000**		µg/kg	500	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
5. Copper	**18000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
6. Lead	**10000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
7. Selenium	U		µg/kg	200	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
8. Silver	U		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
9. Zinc	**47000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS

Mercury by CVAAS — **Aliquot ID:** 90595-008 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** GP-5 S-1 (7-8)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	8.6	05/22/19	PM19E22E	05/23/19	M719E23B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 90595-008A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B — **Description:** GP-5 S-1 (7-8)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 2. Acrylonitrile	U		µg/kg	270	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
3. Benzene	**1300**		µg/kg	66	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
4. Bromobenzene	U		µg/kg	270	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
5. Bromochloromethane	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
6. Bromodichloromethane	U		µg/kg	190	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
7. Bromoform	U		µg/kg	530	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
8. Bromomethane	U		µg/kg	530	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
9. 2-Butanone	U		µg/kg	750	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-5 S-1 (7-8)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-008A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-5 S-1 (7-8)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. n-Butylbenzene	**3500**	E1	µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
11. sec-Butylbenzene	**960**	E1	µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
12. tert-Butylbenzene	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
13. Carbon Disulfide	U		µg/kg	270	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
14. Carbon Tetrachloride	U		µg/kg	190	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
15. Chlorobenzene	U		µg/kg	190	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
16. Chloroethane	U		µg/kg	530	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
17. Chloroform	U		µg/kg	190	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
18. Chloromethane	U		µg/kg	250	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
19. 2-Chlorotoluene	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
21. Dibromochloromethane	U		µg/kg	270	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
22. Dibromomethane	U		µg/kg	250	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	270	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
26. Dichlorodifluoromethane	U		µg/kg	270	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
27. 1,1-Dichloroethane	U		µg/kg	190	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
28. 1,2-Dichloroethane	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
29. 1,1-Dichloroethene	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
31. trans-1,2-Dichloroethene	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
32. 1,2-Dichloropropane	U		µg/kg	190	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	190	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	270	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
35. Ethylbenzene	**12000**		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
36. Ethylene Dibromide	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
37. 2-Hexanone	U		µg/kg	2500	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
38. Isopropylbenzene	**2900**		µg/kg	250	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
40. Methylene Chloride	U		µg/kg	270	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 41. 2-Methylnaphthalene	**2500**		µg/kg	1100	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
42. MTBE	U		µg/kg	250	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
43. Naphthalene	**6200**		µg/kg	330	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
44. n-Propylbenzene	**9700**		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
45. Styrene	U		µg/kg	270	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	190	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-5 S-1 (7-8)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-008A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-5 S-1 (7-8)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
48. Tetrachloroethene	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
49. Toluene	U		µg/kg	190	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	1000	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	190	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	190	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
53. Trichloroethene	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
54. Trichlorofluoromethane	U		µg/kg	270	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	270	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 56. 1,2,3-Trimethylbenzene	**11000**		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
57. 1,2,4-Trimethylbenzene	**40000**		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
58. 1,3,5-Trimethylbenzene	**8800**		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
59. Vinyl Chloride	U		µg/kg	190	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
60. m&p-Xylene	**16000**		µg/kg	270	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
61. o-Xylene	U		µg/kg	130	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 62. Xylenes	**16000**		µg/kg	400	4.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-008** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-5 S-1 (7-8)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
9. Chrysene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
14. 2-Methylnaphthalene (SIM)	**890**		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	SG19E24C	BDA
15. Naphthalene (SIM)	**2000**		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-5 S-1 (7-8)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-008** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-5 S-1 (7-8)**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
16. Phenanthrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
17. Pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-6 S-1 (1-2)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 90595-009** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: GP-6 S-1 (1-2)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**14**		%	1	1.0	05/21/19	MC190521	05/22/19	MC190521	JBA

Michigan 10 Elements by ICP/MS **Aliquot ID: 90595-009** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: GP-6 S-1 (1-2)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**8600**		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
2. Barium	**57000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
3. Cadmium	**200**		µg/kg	50	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
4. Chromium	**17000**		µg/kg	500	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
5. Copper	**9700**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
6. Lead	**9200**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
7. Selenium	**250**		µg/kg	200	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
8. Silver	U		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
9. Zinc	**58000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS

Mercury by CVAAS **Aliquot ID: 90595-009** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: GP-6 S-1 (1-2)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	9.2	05/22/19	PM19E22E	05/23/19	M719E23B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-009A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-6 S-1 (1-2)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 2. Acrylonitrile	U		µg/kg	170	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
3. Benzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
4. Bromobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
5. Bromochloromethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
6. Bromodichloromethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
7. Bromoform	U		µg/kg	170	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
8. Bromomethane	U		µg/kg	200	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
9. 2-Butanone	U		µg/kg	750	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-6 S-1 (1-2)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-009A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-6 S-1 (1-2)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. n-Butylbenzene	U		µg/kg	83	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
13. Carbon Disulfide	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
14. Carbon Tetrachloride	U		µg/kg	83	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
15. Chlorobenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
16. Chloroethane	U	L+	µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
17. Chloroform	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
18. Chloromethane	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
21. Dibromochloromethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
22. Dibromomethane	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
26. Dichlorodifluoromethane	U		µg/kg	410	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
28. 1,2-Dichloroethane	U		µg/kg	83	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
32. 1,2-Dichloropropane	U		µg/kg	83	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
33. cis-1,3-Dichloropropene	U		µg/kg	83	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
35. Ethylbenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
37. 2-Hexanone	U		µg/kg	2500	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
38. Isopropylbenzene	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
40. Methylene Chloride	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
42. MTBE	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
43. Naphthalene	U		µg/kg	330	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
44. n-Propylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
45. Styrene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-6 S-1 (1-2)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-009A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-6 S-1 (1-2)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	83	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
48. Tetrachloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
49. Toluene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
52. 1,1,2-Trichloroethane	U		µg/kg	83	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
53. Trichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
54. Trichlorofluoromethane	U	L+	µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
59. Vinyl Chloride	U		µg/kg	41	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
60. m&p-Xylene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
61. o-Xylene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 62. Xylenes	U		µg/kg	150	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-009** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-6 S-1 (1-2)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
9. Chrysene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-6 S-1 (1-2)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-009** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-6 S-1 (1-2)**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
16. Phenanthrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP
17. Pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/23/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-7 S-1 (2-3)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 90595-010** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: GP-7 S-1 (2-3)**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡	1. Percent Moisture (Water Content)	**14**		%	1	1.0	05/21/19	MC190521	05/22/19	MC190521	JBA

Michigan 10 Elements by ICP/MS **Aliquot ID: 90595-010** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: GP-7 S-1 (2-3)**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**6400**		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
2. Barium	**60000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
3. Cadmium	**210**		µg/kg	50	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
4. Chromium	**15000**		µg/kg	500	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
5. Copper	**16000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
6. Lead	**19000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
7. Selenium	**390**		µg/kg	200	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
8. Silver	U		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
9. Zinc	**51000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS

Mercury by CVAAS **Aliquot ID: 90595-010** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: GP-7 S-1 (2-3)**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	**120**		µg/kg	50	8.9	05/22/19	PM19E22E	05/23/19	M719E23B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-010A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-7 S-1 (2-3)**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Acetone	U		µg/kg	1000	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡	2. Acrylonitrile	U		µg/kg	140	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	3. Benzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	4. Bromobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	5. Bromochloromethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	6. Bromodichloromethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	7. Bromoform	U		µg/kg	140	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	8. Bromomethane	U		µg/kg	200	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
	9. 2-Butanone	U		µg/kg	750	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-7 S-1 (2-3)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-010A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-7 S-1 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. n-Butylbenzene	U		µg/kg	69	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
13. Carbon Disulfide	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
14. Carbon Tetrachloride	U		µg/kg	69	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
15. Chlorobenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
16. Chloroethane	U	L+	µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
17. Chloroform	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
18. Chloromethane	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
21. Dibromochloromethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
22. Dibromomethane	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
26. Dichlorodifluoromethane	U		µg/kg	340	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
28. 1,2-Dichloroethane	U		µg/kg	69	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
32. 1,2-Dichloropropane	U		µg/kg	69	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
33. cis-1,3-Dichloropropene	U		µg/kg	69	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
35. Ethylbenzene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
37. 2-Hexanone	U		µg/kg	2500	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
38. Isopropylbenzene	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
40. Methylene Chloride	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
42. MTBE	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
43. Naphthalene	U		µg/kg	330	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
44. n-Propylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
45. Styrene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-7 S-1 (2-3)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-010A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-7 S-1 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	69	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
48. Tetrachloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
49. Toluene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
52. 1,1,2-Trichloroethane	U		µg/kg	69	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
53. Trichloroethene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
54. Trichlorofluoromethane	U	L+	µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
59. Vinyl Chloride	U		µg/kg	40	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
60. m&p-Xylene	U		µg/kg	100	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
61. o-Xylene	U		µg/kg	50	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS
‡ 62. Xylenes	U		µg/kg	150	1.0	05/21/19	VP19E21A	05/21/19	VP19E21A	KSS

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-010** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-7 S-1 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
9. Chrysene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-7 S-1 (2-3)**	Chain of Custody:	**164902**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-010** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-7 S-1 (2-3)**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
16. Phenanthrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
17. Pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-8 S-1 (2-3)**	Chain of Custody:	**164903**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 90595-011** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: GP-8 S-1 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**20**		%	1	1.0	05/21/19	MC190521	05/22/19	MC190521	JBA

Michigan 10 Elements by ICP/MS **Aliquot ID: 90595-011** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: GP-8 S-1 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**6900**		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
2. Barium	**60000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
3. Cadmium	**290**		µg/kg	50	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
4. Chromium	**18000**		µg/kg	500	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
5. Copper	**16000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
6. Lead	**38000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
7. Selenium	**390**		µg/kg	200	10	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
8. Silver	U		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
9. Zinc	**73000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS

Mercury by CVAAS **Aliquot ID: 90595-011** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: GP-8 S-1 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**72**		µg/kg	50	8.7	05/22/19	PM19E22E	05/23/19	M719E23B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-011A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-8 S-1 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
3. Benzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
7. Bromoform	U		µg/kg	150	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
8. Bromomethane	U		µg/kg	200	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
9. 2-Butanone	U		µg/kg	750	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-8 S-1 (2-3)**	Chain of Custody:	**164903**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-011A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-8 S-1 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. n-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
14. Carbon Tetrachloride	U		µg/kg	53	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
15. Chlorobenzene	U		µg/kg	53	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
16. Chloroethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
17. Chloroform	U		µg/kg	53	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
18. Chloromethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
22. Dibromomethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
27. 1,1-Dichloroethane	U		µg/kg	53	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
32. 1,2-Dichloropropane	U		µg/kg	53	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	53	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	75	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
42. MTBE	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
43. Naphthalene	U		µg/kg	330	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
45. Styrene	U		µg/kg	75	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-8 S-1 (2-3)**	Chain of Custody:	**164903**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-011A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-8 S-1 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
49. Toluene	U		µg/kg	53	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	290	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	53	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	53	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
53. Trichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
59. Vinyl Chloride	U		µg/kg	53	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
61. o-Xylene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-011** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-8 S-1 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
9. Chrysene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-8 S-1 (2-3)**	Chain of Custody:	**164903**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-1**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-011** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-8 S-1 (2-3)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
16. Phenanthrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
17. Pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-9 S-2 (3-4)**	Chain of Custody:	**164903**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 90595-013** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: GP-9 S-2 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**16**		%	1	1.0	05/21/19	MC190521	05/22/19	MC190521	JBA

Michigan 10 Elements by ICP/MS **Aliquot ID: 90595-013** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: GP-9 S-2 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**9300**		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
2. Barium	**90000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
3. Cadmium	**350**		µg/kg	50	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
4. Chromium	**16000**		µg/kg	500	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
5. Copper	**19000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
6. Lead	**70000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
7. Selenium	**300**		µg/kg	200	10	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
8. Silver	U		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
9. Zinc	**88000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS

Mercury by CVAAS **Aliquot ID: 90595-013** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: GP-9 S-2 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**600**		µg/kg	50	8.8	05/22/19	PM19E22E	05/23/19	M719E23B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-013A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-9 S-2 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
3. Benzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
7. Bromoform	U		µg/kg	160	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
8. Bromomethane	U		µg/kg	200	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
9. 2-Butanone	U		µg/kg	750	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-9 S-2 (3-4)**	Chain of Custody:	**164903**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-013A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-9 S-2 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. n-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
14. Carbon Tetrachloride	U		µg/kg	56	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
15. Chlorobenzene	U		µg/kg	56	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
16. Chloroethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
17. Chloroform	U		µg/kg	56	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
18. Chloromethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
22. Dibromomethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
27. 1,1-Dichloroethane	U		µg/kg	56	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
32. 1,2-Dichloropropane	U		µg/kg	56	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	56	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	80	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
42. MTBE	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
43. Naphthalene	U		µg/kg	330	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
45. Styrene	U		µg/kg	80	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-9 S-2 (3-4)**	Chain of Custody:	**164903**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-013A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-9 S-2 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
49. Toluene	U		µg/kg	56	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	300	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	56	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	56	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
53. Trichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
59. Vinyl Chloride	U		µg/kg	56	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
61. o-Xylene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-013** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-9 S-2 (3-4)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
9. Chrysene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-9 S-2 (3-4)**	Chain of Custody:	**164903**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-2**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-013** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-9 S-2 (3-4)**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
16. Phenanthrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
17. Pyrene (SIM)	U		µg/kg	330	10	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-10 S-3 (6-8)**	Chain of Custody:	**164903**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-3**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 90595-016** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: GP-10 S-3 (6-8)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**10**		%	1	1.0	05/21/19	MC190521	05/22/19	MC190521	JBA

Michigan 10 Elements by ICP/MS **Aliquot ID: 90595-016** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: GP-10 S-3 (6-8)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5500**		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
2. Barium	**27000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
3. Cadmium	**130**		µg/kg	50	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
4. Chromium	**8000**		µg/kg	500	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
5. Copper	**8900**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
6. Lead	**4700**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
7. Selenium	U		µg/kg	200	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
8. Silver	U		µg/kg	100	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS
9. Zinc	**30000**		µg/kg	1000	20	05/22/19	PT19E22C	05/22/19	T419E22A	AMS

Mercury by CVAAS **Aliquot ID: 90595-016** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: GP-10 S-3 (6-8)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	8.4	05/22/19	PM19E22E	05/23/19	M719E23B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-016A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-10 S-3 (6-8)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
3. Benzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
7. Bromoform	U		µg/kg	120	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
8. Bromomethane	U		µg/kg	200	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
9. 2-Butanone	U		µg/kg	750	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-10 S-3 (6-8)**	Chain of Custody:	**164903**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-3**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-016A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-10 S-3 (6-8)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. n-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
16. Chloroethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
17. Chloroform	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
18. Chloromethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
22. Dibromomethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	59	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
42. MTBE	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
43. Naphthalene	U		µg/kg	330	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
45. Styrene	U		µg/kg	59	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-10 S-3 (6-8)**	Chain of Custody:	**164903**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-3**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 90595-016A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260B **Description: GP-10 S-3 (6-8)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
49. Toluene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
53. Trichloroethene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
59. Vinyl Chloride	U		µg/kg	41	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
61. o-Xylene	U		µg/kg	50	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	05/21/19	VI19E21A	05/21/19	VI19E21A	JMF

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-016** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-10 S-3 (6-8)**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
3. Anthracene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
9. Chrysene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
12. Fluorene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Client Identification:	**NTH Consultants, Ltd. - Northville**	Sample Description:	**GP-10 S-3 (6-8)**	Chain of Custody:	**164903**
Client Project Name:	**WSU Property (62-190085-02)**	Sample No:	**S-3**	Collect Date:	**05/17/19**
Client Project No:	**62-190085-02**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 90595-016** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: GP-10 S-3 (6-8)**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP
17. Pyrene (SIM)	U		µg/kg	330	1.0	05/22/19	PS19E22B	05/24/19	S519E23B	GJP

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

E1 : The reported value is estimated due to the presence of interference.
L+ : Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.

Analysis Locations:

All analyses performed in Holt.



Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

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Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # **164902**
PAGE 1 of 2

Client Name: NTH Consultants, Ltd.
Contact Person: Cliff Andrews
Project Name/ Number: 62-190085-02 WSU Property
Email distribution list: AKelly@NTHConsultants.com
CAndrews@NTHConsultants.com
Quote#
Purchase Order#

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	PNAs	MI 10 Metals	HOLD SAMPLE
5/17/19	8:55	S-1	GP-1 S-1 (1-2)	S	3				
	9:00	S-2	GP-1 S-2 (2-3)	S	3	/	/	/	
	9:50	S-1	GP-2 S-1 (1.5-2.5)	S	3				
	10:00	S-2	GP-2 S-2 (3-4)	S	3	/	/	/	
	10:20	S-1	GP-3 S-1 (2-3)	S	3				
	10:25	S-2	GP-3 S-2 (4-5)	S	3	/	/	/	
	10:55	S-1	GP-4 S-1 (3-4)	S	3	/	/	/	
	11:50	S-1	GP-5 S-1 (7-8)	S	3	/	/	/	
	12:20	S-1	GP-6 S-1 (1-2)	S	3	/	/	/	
	12:50	S-1	GP-7 S-1 (2-3)	S	3	/	/	/	

Remarks:
RCVD BY LAB
MAY 20 2019
Initial: NE
PID > 300

Comments: GP-5 S-1 (7-8) PID > 300

Sampled/Relinquished By:	Date/ Time 5/20/19 16:40	Received By:
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: 90595
Temperature upon receipt at Lab: 1.5°C
RCVD ON ICE

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
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11766 E. Grand River Rd.
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Chain of Custody # **164903**
PAGE 2 of 2

Client Name: NTH Consultants, Ltd
Contact Person: Cliff Andrews
Project Name/ Number: 62-190085-02 WSU Property
Email distribution list:
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	PNAs	MI 10 Metals	HOLD SAMPLE
5/17/19	13:15	S-1	GP-8 S-1 (2-3)	S	3	/	/	/	
	13:45	S-1	GP-9 S-1 (1-2)	S	3				
	13:50	S-2	GP-9 S-2 (3-4)	S	3	/	/	/	
	14:05	S-1	GP-10 S-1 (1-3)	S	3				
	14:10	S-2	GP-10 S-2 (3-4)	S	3				
	14:15	S-3	GP-10 S-3 (6-8)	S	3	/	/	/	

PARAMETERS

Matrix Code: (S) Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; X EDD

Remarks:

RCVD BY LAB
MAY 20 2019
Initial: NE

Comments:

Sampled/Relinquished By: [signature]
Date/ Time: 5/20/19 16:46
Received By: [signature]

Relinquished By:
Date/ Time:
Received By:

Relinquished By:
Date/ Time:
Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: 90595

RCVD ON ICE

Temperature upon receipt at Lab: 1.5 °C

Please see back for terms and conditions

PM19E22E: Method Blank (MB)

EPA 7471B

Run Time: PM19E22E.MB 05/23/2019 12:33 [M719E23B]

	MB Result	MB Qualifier	MB RDL
Analyte	µg/kg		µg/kg
Mercury	U		50

PM19E22E: Laboratory Control Sample (LCS)

EPA 7471B

Run Time: PM19E22E.LCS: 05/23/2019 12:35 [M719E23B]

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	µg/kg	µg/kg	µg/kg	%	%					
Mercury	200	187		94		85-115				

PS19E22B: Method Blank (MB)

EPA 8270E

Run Time: PS19E22B.MB 05/23/2019 21:12 [S519E23B]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/kg		µg/kg
Acenaphthene (SIM)	U		330
Acenaphthylene (SIM)	U		330
Anthracene (SIM)	U		330
Benzo(a)anthracene (SIM)	U		330
Benzo(a)pyrene (SIM)	U		330
Benzo(b)fluoranthene (SIM)	U		330
Benzo(ghi)perylene (SIM)	U		330
Benzo(k)fluoranthene (SIM)	U		330
Chrysene (SIM)	U		330
Dibenzo(a,h)anthracene (SIM)	U		330
Fluoranthene (SIM)	U		330
Fluorene (SIM)	U		330
Indeno(1,2,3-cd)pyrene (SIM)	U		330
2-Methylnaphthalene (SIM)	U		330
Naphthalene (SIM)	U		330
Phenanthrene (SIM)	U		330
Pyrene (SIM)	U		330
2-Fluorobiphenyl(S)	*95*		*49-115*
1-Fluoronaphthalene(S)	*90*		*46-114*
4-Terphenyl-d14(S)	*109*		*48-117*

PS19E22B: Laboratory Control Sample (LCS) — EPA 8270E

Run Time: PS19E22B.LCS: 05/23/2019 21:46 [S519E23B]

Analyte	Spike Amount µg/kg	LCS Result µg/kg	LCSD Result µg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Acenaphthene (SIM)	5330	5360		100		52-105				
Acenaphthylene (SIM)	5330	5330		100		56-112				
Benzo(a)anthracene (SIM)	5330	5270		99		53-110				
Benzo(a)pyrene (SIM)	5330	6150		115		59-125				
Benzo(b)fluoranthene (SIM)	5330	6100		114		57-130				
Benzo(ghi)perylene (SIM)	5330	4870		91		35-124				
Benzo(k)fluoranthene (SIM)	5330	5710		107		53-127				
Chrysene (SIM)	5330	5500		103		50-112				
Dibenzo(a,h)anthracene (SIM)	5330	5660		106		51-122				
Fluoranthene (SIM)	5330	5600		105		47-135				
Fluorene (SIM)	5330	5600		105		51-112				
Indeno(1,2,3-cd)pyrene (SIM)	5330	5870		110		49-130				
Naphthalene (SIM)	5330	4190		79		53-96				
Phenanthrene (SIM)	5330	5300		99		50-103				
Pyrene (SIM)	5330	5820		109		48-129				
2-Fluorobiphenyl(S)				*100*		*49-115*				
1-Fluoronaphthalene(S)				*102*		*46-114*				
4-Terphenyl-d14(S)				*108*		*48-117*				

PS19E22B: Laboratory Control Sample (LCS) — EPA 8270E

Run Time: PS19E22B.LCS: 05/24/2019 14:25 [SG19E24C]

Analyte	Spike Amount µg/kg	LCS Result µg/kg	LCSD Result µg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Anthracene (SIM)	5330	5430		102		56-102				
2-Methylnaphthalene (SIM)	5330	4950		93		45-94				
2-Fluorobiphenyl(S)				*106*		*49-115*				
1-Fluoronaphthalene(S)				*108*		*46-114*				
4-Terphenyl-d14(S)				*125*		*48-117*	*			

PT19E22C: Method Blank (MB)

EPA 6020A

Run Time: PT19E22C.MB 05/22/2019 11:27 [T419E22A]

Analyte	MB Result µg/kg	MB Qualifier	MB RDL µg/kg
Arsenic	U		100
Barium	U		1000
Cadmium	U		50
Chromium	U		500
Copper	U		1000
Lead	U		1000
Selenium	U		200
Silver	U		100
Zinc	U		1000

PT19E22C: Laboratory Control Sample (LCS)

EPA 6020A

Run Time: PT19E22C.LCS: 05/22/2019 11:28 [T419E22A]

Analyte	Spike Amount µg/kg	LCS Result µg/kg	LCSD Result µg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Arsenic	10000	10300		103		85-115				
Barium	50000	56300		113		85-115				
Cadmium	10000	10300		103		85-115				
Chromium	20000	19900		99		85-115				
Copper	20000	20900		105		85-115				
Lead	20000	20300		102		85-115				
Selenium	10000	10400		104		85-115				
Silver	10000	10900		109		85-115				
Zinc	50000	52500		105		85-115				

VI19E21A: Method Blank (MB)

EPA 8260B

Run Time: VI19E21A.MB 05/21/2019 11:21 [VI19E21A]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/kg		µg/kg
Acetone	U		1000
Acrylonitrile	U		100
Benzene	U		50
Bromobenzene	U		100
Bromochloromethane	U		100
Bromodichloromethane	U		100
Bromoform	U		100
Bromomethane	U		200
2-Butanone	U		750
n-Butylbenzene	U		50
sec-Butylbenzene	U		50
tert-Butylbenzene	U		50
Carbon Disulfide	U		250
Carbon Tetrachloride	U		50
Chlorobenzene	U		50
Chloroethane	U		250
Chloroform	U		50
Chloromethane	U		250
2-Chlorotoluene	U		50
1,2-Dibromo-3-chloropropane (SIM)	U		250
Dibromochloromethane	U		100
Dibromomethane	U		250
1,2-Dichlorobenzene	U		100
1,3-Dichlorobenzene	U		100
1,4-Dichlorobenzene	U		100
Dichlorodifluoromethane	U		250
1,1-Dichloroethane	U		50
1,2-Dichloroethane	U		50
1,1-Dichloroethene	U		50
cis-1,2-Dichloroethene	U		50
trans-1,2-Dichloroethene	U		50
1,2-Dichloropropane	U		50
cis-1,3-Dichloropropene	U		50

VI19E21A: Method Blank (MB)

EPA 8260B

Run Time: VI19E21A.MB 05/21/2019 11:21 [VI19E21A]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/kg		µg/kg
trans-1,3-Dichloropropene	U		50
Ethylbenzene	U		50
Ethylene Dibromide	U		50
2-Hexanone	U		2500
Isopropylbenzene	U		250
4-Methyl-2-pentanone	U		2500
Methylene Chloride	U		100
2-Methylnaphthalene	U		330
MTBE	U		250
Naphthalene	U		330
n-Propylbenzene	U		100
Styrene	U		50
1,1,1,2-Tetrachloroethane	U		100
1,1,2,2-Tetrachloroethane	U		50
Tetrachloroethene	U		50
Toluene	U		50
1,2,4-Trichlorobenzene	U		250
1,1,1-Trichloroethane	U		50
1,1,2-Trichloroethane	U		50
Trichloroethene	U		50
Trichlorofluoromethane	U		100
1,2,3-Trichloropropane	U		100
1,2,3-Trimethylbenzene	U		100
1,2,4-Trimethylbenzene	U		100
1,3,5-Trimethylbenzene	U		100
Vinyl Chloride	U		40
m&p-Xylene	U		100
o-Xylene	U		50
4-Bromofluorobenzene(S)	*98*		*76-127*
Dibromofluoromethane(S)	*101*		*76-126*
1,2-Dichloroethane-d4(S)	*98*		*75-120*
Toluene-d8(S)	*99*		*80-120*

VI19E21A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD)

EPA 8260B

Run Time: VI19E21A.LCS: 05/21/2019 10:02 [VI19E21A] VI19E21A.LCSD: 05/21/2019 10:29 [VI19E21A]

Analyte	Spike Amount µg/kg	LCS Result µg/kg	LCSD Result µg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Acetone	2500	2280	2290	91	91	50-149			0	20
Acrylonitrile	2500	2730	2700	109	108	70-130			1	20
Benzene	2500	2490	2440	100	98	75-125			2	20
Bromobenzene	2500	2350	2440	94	98	70-120			4	20
Bromochloromethane	2500	2360	2330	94	93	70-125			1	20
Bromodichloromethane	2500	2660	2640	106	106	70-130			0	20
Bromoform	2500	2840	2810	113	112	70-130			1	20
Bromomethane	2500	2440	2440	98	98	66-134			0	20
2-Butanone	2500	2680	2550	107	102	67-131			5	20
n-Butylbenzene	2500	2930	2860	117	114	70-130			3	20
sec-Butylbenzene	2500	2790	2770	112	111	70-130			1	20
tert-Butylbenzene	2500	2710	2680	108	107	70-130			1	20
Carbon Disulfide	2500	2600	2510	104	101	70-130			3	20
Carbon Tetrachloride	2500	2860	2760	114	110	70-130			4	20
Chlorobenzene	2500	2540	2520	102	101	75-125			1	20
Chloroethane	2500	2690	2630	107	105	70-141			2	20
Chloroform	2500	2610	2560	104	102	80-120			2	20
Chloromethane	2500	2090	2020	83	81	63-130			2	20
2-Chlorotoluene	2500	2570	2560	103	103	70-130			0	20
1,2-Dibromo-3-chloropropane (SIM)	2500	2640	2660	106	106	70-130			0	20
Dibromochloromethane	2500	2700	2710	108	108	70-130			0	20
Dibromomethane	2500	2380	2390	95	96	70-130			1	20
1,2-Dichlorobenzene	2500	2570	2580	103	103	75-120			0	20
1,3-Dichlorobenzene	2500	2540	2520	101	101	70-125			0	20
1,4-Dichlorobenzene	2500	2530	2560	101	102	70-125			1	20
Dichlorodifluoromethane	2500	2380	2310	95	92	65-135			3	20
1,1-Dichloroethane	2500	2640	2610	106	104	75-125			2	20
1,2-Dichloroethane	2500	2410	2400	96	96	70-130			0	20
1,1-Dichloroethene	2500	2810	2700	112	108	75-120			4	20
cis-1,2-Dichloroethene	2500	2480	2430	99	97	70-125			2	20
trans-1,2-Dichloroethene	2500	2610	2510	104	101	70-130			3	20
1,2-Dichloropropane	2500	2750	2740	110	110	80-120			0	20
cis-1,3-Dichloropropene	2500	2680	2660	107	106	70-125			1	20

VI19E21A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD)

EPA 8260B

Run Time: VI19E21A.LCS: 05/21/2019 10:02 [VI19E21A] VI19E21A.LCSD: 05/21/2019 10:29 [VI19E21A]

Analyte	Spike Amount µg/kg	LCS Result µg/kg	LCSD Result µg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
trans-1,3-Dichloropropene	2500	2730	2730	109	109	70-125			0	20
Ethylbenzene	2500	2670	2610	107	104	80-120			3	20
Ethylene Dibromide	2500	2560	2590	102	104	70-125			2	20
2-Hexanone	2500	2580	2500	103	100	70-130			3	20
Isopropylbenzene	2500	2800	2740	112	109	75-130			3	20
4-Methyl-2-pentanone	2500	2610	2590	104	104	70-130			0	20
Methylene Chloride	2500	2530	2520	101	101	70-130			0	20
2-Methylnaphthalene	2500	2660	2680	106	107	61-136			1	20
MTBE	2500	2520	2520	101	101	70-130			0	20
Naphthalene	2500	2640	2700	105	108	70-125			3	20
n-Propylbenzene	2500	2680	2720	107	109	70-130			2	20
Styrene	2500	2880	2830	115	113	75-125			2	20
1,1,1,2-Tetrachloroethane	2500	2750	2750	110	110	75-125			0	20
1,1,2,2-Tetrachloroethane	2500	2530	2570	101	103	70-130			2	20
Tetrachloroethene	2500	2770	2710	111	108	70-130			3	20
Toluene	2500	2550	2500	102	100	80-120			2	20
1,2,4-Trichlorobenzene	2500	2690	2720	108	109	70-130			1	20
1,1,1-Trichloroethane	2500	2760	2680	110	107	70-130			3	20
1,1,2-Trichloroethane	2500	2640	2660	106	106	70-125			0	20
Trichloroethene	2500	2650	2600	106	104	75-125			2	20
Trichlorofluoromethane	2500	3090	2930	123	117	50-150			5	20
1,2,3-Trichloropropane	2500	2560	2610	102	104	70-130			2	20
1,2,3-Trimethylbenzene	2500	2600	2620	104	105	70-130			1	20
1,2,4-Trimethylbenzene	2500	2700	2690	108	108	70-130			0	20
1,3,5-Trimethylbenzene	2500	2720	2700	109	108	70-130			1	20
Vinyl Chloride	2500	2330	2280	93	91	69-120			2	20
m&p-Xylene	5000	5380	5300	108	106	80-125			2	20
o-Xylene	2500	2690	2640	108	106	75-125			2	20
4-Bromofluorobenzene(S)				*98*	*98*	*76-127*				
Dibromofluoromethane(S)				*102*	*103*	*76-126*				
1,2-Dichloroethane-d4(S)				*96*	*96*	*75-120*				
Toluene-d8(S)				*99*	*100*	*80-120*				

VP19E21A: Method Blank (MB)

EPA 8260B

Run Time: VP19E21A.MB 05/21/2019 12:09 [VP19E21A]

Analyte	MB Result µg/kg	MB Qualifier	MB RDL µg/kg
Acetone	U		1000
Acrylonitrile	U		100
Benzene	U		50
Bromobenzene	U		100
Bromochloromethane	U		100
Bromodichloromethane	U		100
Bromoform	U		100
Bromomethane	U		200
2-Butanone	U		750
n-Butylbenzene	U		50
sec-Butylbenzene	U		50
tert-Butylbenzene	U		50
Carbon Disulfide	U		250
Carbon Tetrachloride	U		50
Chlorobenzene	U		50
Chloroethane	U		250
Chloroform	U		50
Chloromethane	U		250
2-Chlorotoluene	U		50
1,2-Dibromo-3-chloropropane (SIM)	U		250
Dibromochloromethane	U		100
Dibromomethane	U		250
1,2-Dichlorobenzene	U		100
1,3-Dichlorobenzene	U		100
1,4-Dichlorobenzene	U		100
Dichlorodifluoromethane	U		250
1,1-Dichloroethane	U		50
1,2-Dichloroethane	U		50
1,1-Dichloroethene	U		50
cis-1,2-Dichloroethene	U		50
trans-1,2-Dichloroethene	U		50
1,2-Dichloropropane	U		50
cis-1,3-Dichloropropene	U		50

VP19E21A: Method Blank (MB)

EPA 8260B

Run Time: VP19E21A.MB 05/21/2019 12:09 [VP19E21A]

Analyte	MB Result µg/kg	MB Qualifier	MB RDL µg/kg
trans-1,3-Dichloropropene	U		50
Ethylbenzene	U		50
Ethylene Dibromide	U		50
2-Hexanone	U		2500
Isopropylbenzene	U		250
4-Methyl-2-pentanone	U		2500
Methylene Chloride	U		100
2-Methylnaphthalene	U		330
MTBE	U		250
Naphthalene	U		330
n-Propylbenzene	U		100
Styrene	U		50
1,1,1,2-Tetrachloroethane	U		100
1,1,2,2-Tetrachloroethane	U		50
Tetrachloroethene	U		50
Toluene	U		50
1,2,4-Trichlorobenzene	U		250
1,1,1-Trichloroethane	U		50
1,1,2-Trichloroethane	U		50
Trichloroethene	U		50
Trichlorofluoromethane	U		100
1,2,3-Trichloropropane	U		100
1,2,3-Trimethylbenzene	U		100
1,2,4-Trimethylbenzene	U		100
1,3,5-Trimethylbenzene	U		100
Vinyl Chloride	U		40
m&p-Xylene	U		100
o-Xylene	U		50
4-Bromofluorobenzene(S)	*96*		*76-127*
Dibromofluoromethane(S)	*98*		*76-126*
1,2-Dichloroethane-d4(S)	*103*		*75-120*
Toluene-d8(S)	*99*		*80-120*

VP19E21A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) — EPA 8260B

Run Time: VP19E21A.LCS: 05/21/2019 10:50 [VP19E21A] VP19E21A.LCSD: 05/21/2019 11:16 [VP19E21A]

Analyte	Spike Amount µg/kg	LCS Result µg/kg	LCSD Result µg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Acetone	2500	2420	2410	97	96	50-149			1	20
Acrylonitrile	2500	2530	2610	101	104	70-130			3	20
Benzene	2500	2260	2200	91	88	75-125			3	20
Bromobenzene	2500	2530	2490	101	99	70-120			2	20
Bromochloromethane	2500	2580	2570	103	103	70-125			0	20
Bromodichloromethane	2500	2440	2390	98	96	70-130			2	20
Bromoform	2500	2530	2550	101	102	70-130			1	20
Bromomethane	2500	2560	2460	102	99	66-134			3	20
2-Butanone	2500	2750	2680	110	107	67-131			3	20
n-Butylbenzene	2500	2640	2580	106	103	70-130			3	20
sec-Butylbenzene	2500	2560	2510	102	100	70-130			2	20
tert-Butylbenzene	2500	2540	2470	101	99	70-130			2	20
Carbon Disulfide	2500	2500	2400	100	96	70-130			4	20
Carbon Tetrachloride	2500	2460	2390	98	96	70-130			2	20
Chlorobenzene	2500	2390	2360	96	94	75-125			2	20
Chloroethane	2500	3650	3530	146	141	70-141	*		3	20
Chloroform	2500	2420	2360	97	95	80-120			2	20
Chloromethane	2500	2530	2430	101	97	63-130			4	20
2-Chlorotoluene	2500	2560	2320	102	93	70-130			9	20
1,2-Dibromo-3-chloropropane (SIM)	2500	2510	2630	101	105	70-130			4	20
Dibromochloromethane	2500	2510	2510	101	100	70-130			1	20
Dibromomethane	2500	2320	2300	93	92	70-130			1	20
1,2-Dichlorobenzene	2500	2480	2460	99	99	75-120			0	20
1,3-Dichlorobenzene	2500	2470	2430	99	97	70-125			2	20
1,4-Dichlorobenzene	2500	2440	2410	98	96	70-125			2	20
Dichlorodifluoromethane	2500	2350	2430	94	97	65-135			3	20
1,1-Dichloroethane	2500	2540	2440	101	98	75-125			3	20
1,2-Dichloroethane	2500	2350	2310	94	92	70-130			2	20
1,1-Dichloroethene	2500	2590	2490	104	100	75-120			4	20
cis-1,2-Dichloroethene	2500	2550	2450	102	98	70-125			4	20
trans-1,2-Dichloroethene	2500	2680	2530	107	101	70-130			6	20
1,2-Dichloropropane	2500	2610	2550	104	102	80-120			2	20
cis-1,3-Dichloropropene	2500	2550	2490	102	100	70-125			2	20

VP19E21A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) — EPA 8260B

Run Time: VP19E21A.LCS: 05/21/2019 10:50 [VP19E21A] VP19E21A.LCSD: 05/21/2019 11:16 [VP19E21A]

Analyte	Spike Amount µg/kg	LCS Result µg/kg	LCSD Result µg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
trans-1,3-Dichloropropene	2500	2630	2580	105	103	70-125			2	20
Ethylbenzene	2500	2470	2420	99	97	80-120			2	20
Ethylene Dibromide	2500	2410	2430	97	97	70-125			0	20
2-Hexanone	2500	2680	2780	107	111	70-130			4	20
Isopropylbenzene	2500	2510	2460	100	99	75-130			1	20
4-Methyl-2-pentanone	2500	2510	2610	100	104	70-130			4	20
Methylene Chloride	2500	2640	2570	106	103	70-130			3	20
2-Methylnaphthalene	2500	2540	2680	102	107	61-136			5	20
MTBE	2500	2360	2360	95	95	70-130			0	20
Naphthalene	2500	2600	2690	104	108	70-125			4	20
n-Propylbenzene	2500	2640	2580	106	103	70-130			3	20
Styrene	2500	2670	2660	107	106	75-125			1	20
1,1,1,2-Tetrachloroethane	2500	2510	2500	100	100	75-125			0	20
1,1,2,2-Tetrachloroethane	2500	2640	2650	106	106	70-130			0	20
Tetrachloroethene	2500	2460	2400	98	96	70-130			2	20
Toluene	2500	2360	2290	95	92	80-120			3	20
1,2,4-Trichlorobenzene	2500	2510	2530	100	101	70-130			1	20
1,1,1-Trichloroethane	2500	2480	2400	99	96	70-130			3	20
1,1,2-Trichloroethane	2500	2470	2470	99	99	70-125			0	20
Trichloroethene	2500	2420	2320	97	93	75-125			4	20
Trichlorofluoromethane	2500	3930	3800	157	152	50-150	*		3	20
1,2,3-Trichloropropane	2500	2440	2570	98	103	70-130			5	20
1,2,3-Trimethylbenzene	2500	2530	2500	101	100	70-130			1	20
1,2,4-Trimethylbenzene	2500	2600	2540	104	102	70-130			2	20
1,3,5-Trimethylbenzene	2500	2550	2490	102	99	70-130			3	20
Vinyl Chloride	2500	2600	2500	104	100	69-120			4	20
m&p-Xylene	5000	4960	4860	99	97	80-125			2	20
o-Xylene	2500	2490	2450	100	98	75-125			2	20
4-Bromofluorobenzene(S)				*96*	*97*	*76-127*				
Dibromofluoromethane(S)				*103*	*101*	*76-126*				
1,2-Dichloroethane-d4(S)				*100*	*99*	*75-120*				
Toluene-d8(S)				*101*	*101*	*80-120*				

Definitions/ Qualifiers:

U: The analyte was not detected at or above the Reporting Limit (RL).
***:** Value reported is outside QC limits

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:



By Anthony Donnelly at 4:41 PM, May 29, 2019