



Environmental Resources Group

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

SOUTH MAPLE MEADOWS

800-890 SOUTH MAPLE ROAD

ANN ARBOR, MICHIGAN 48103

ERG PROJECT 1129.001

PREPARED FOR:
NORSTAR DEVELOPMENT USA, L.P.
733 BROADWAY
ALBANY, NEW YORK 12207

JULY 26, 2013



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July 26, 2013

Mr. Richard Higgins
Norstar Development USA, L.P.
733 Broadway
Albany, New York 12207

**Re: Phase I Environmental Site Assessment
South Maple Meadows
800-890 South Maple Road, Ann Arbor, Michigan
Environmental Resources Group, LLC Project 1129.001**

Dear Mr. Higgins:

Environmental Resources Group, LLC (ERG) has completed the Phase I Environmental Site Assessment (ESA) of the South Maple Meadows Housing Development in Ann Arbor, Washtenaw County, Michigan. The results of the Phase I ESA are presented in the attached Report.

We are pleased to provide this service and hope that we can be of service in the future. Should you have any questions or require further information, please do not hesitate to call Ms. Dwoinen or Mr. Foerg at (248) 773-7986.

Sincerely,
Environmental Resources Group, LLC

Penny M. Dwoinen
Project Engineer

Andrew J. Foerg, CPG
Senior Project Manager

TABLE OF CONTENTS

MSHDA PHASE I SUMMARY COVER SHEET

SECTION 1.0: EXECUTIVE SUMMARY 1
 Section 1.1: Phase I ESA Summary and Conclusions 1
 Section 1.2: Identified Data Gaps 2
 Section 1.3: Liens or Activity and Use Limitations 2

SECTION 2.0: INTRODUCTION 3
 Section 2.1: Purpose 3
 Section 2.2: Detailed Scope of Services 3
 Section 2.3: Significant Assumptions 4
 Section 2.4: Limitations and Exceptions 4
 Section 2.5: Special Terms and Conditions 4
 Section 2.6: User Reliance 4

SECTION 3.0: SUBJECT PROPERTY DESCRIPTION 5
 Section 3.1: Location and Legal Description 5
 Section 3.2: Subject Property and Vicinity Characteristics 5
 Section 3.3: Current Use of the Property 5
 Section 3.4: Descriptions of Structures, Roads and Other Improvements on the Property 5
 Section 3.5: Current Uses of Adjoining Properties 6

SECTION 4.0: USER PROVIDED INFORMATION 7
 Section 4.1: Title Records 7
 Section 4.2: Environmental Liens or Activity and Use Limitations 7
 Section 4.3: Specialized Knowledge of the User 7
 Section 4.4: Commonly Known or Reasonably Ascertainable Information 7
 Section 4.5: Valuation Reduction for Environmental Issues 7
 Section 4.6: Owner, Property Manager, and Occupant Information 8
 Section 4.7: Reason for Performing this Phase I ESA 8
 Section 4.8: Other 8

SECTION 5.0: RECORDS REVIEW 9
 Section 5.1: Standard Environmental Record Sources 9
 Section 5.1.1: Subject Property and Occupant Listings 9
 Section 5.1.2: Adjoining and Nearby Sites 9
 Section 5.2: Additional Environmental Records Sources 9
 Section 5.2.1: Building Department/Assessing Records 9
 Section 5.2.2: Zoning Department Records 10
 Section 5.3: Physical Setting Source(s) 10
 Section 5.4: Historical Use Information on the Property 11

Section 5.4.1: Aerial Photographs for the Subject Property	11
Section 5.4.2: Historical Sanborn Maps for the Subject Property	11
Section 5.4.3: Local Street Directories for the Subject Property	11
Section 5.5: Historical Use Information on the Adjoining Properties.....	11
Section 5.5.1: Aerial Photographs for the Adjoining Properties	11
Section 5.5.2: Historical Sanborn Maps for the Adjoining Properties	12
Section 5.5.3: Local Street Directories for the Adjoining Properties.....	12
SECTION 6.0: SITE RECONNAISSANCE	13
Section 6.1: Methodology and Limiting Conditions	13
Section 6.2: General Subject Property Setting	13
Section 6.3: Exterior Observations.....	13
Section 6.4: Interior Observations.....	14
SECTION 7.0: INTERVIEWS	15
Section 7.1: Interview with Owner.....	15
Section 7.2: Interview with "Key Site Manager"	15
Section 7.3: Interview with Occupants	15
Section 7.4: Interview with Local Government Officials.....	15
Section 7.4.1: Local Fire Department	15
Section 7.4.2: Local Health Department	15
Section 7.5: Interview with Others	16
SECTION 8.0: EVALUATION AND REPORT PREPARATION	17
Section 8.1: Findings.....	17
Section 8.2: Opinion	17
Section 8.3: Additional Investigation	17
Section 8.4: Data Gaps	17
Section 8.5: Conclusions	17
Section 8.6: Additional Services.....	17
Section 8.7: Deviations	18
Section 8.8: References	18
Section 8.9: Signatures of Environmental Professionals.....	20
Section 8.10: Qualifications of Environmental Professionals.....	20
SECTION 9.0: NON-SCOPE CONSIDERATIONS	21
Section 9.1: Friable and Non-friable Asbestos Containing Materials (ACMs).....	21
Section 9.2: Lead-Based Paint	21
Section 9.3: Formaldehyde Insulation.....	21
Section 9.4: Radon gas	21
Section 9.5: 100-Year Floodplain.....	21
Section 9.6: Wetlands.....	21
Section 9.7: Electromagnetic Fields	21

Section 9.8: High Pressure Buried Gas Lines	22
Section 9.9: Noise Analysis.....	22
Section 9.10: Assessment of Potential Vapor Encroachment Conditions (VECs).....	22
SECTION 10.0: APPENDICES.....	24
Section 10.1: Site Vicinity Map	24
Section 10.2: Site Plan	24
Section 10.3: Site Photographs	24
Section 10.4: Historical Research Documentation	24
Section 10.5: Regulatory Records Documentation.....	24
Section 10.6: Interview Documentation.....	24
Section 10.7: Special Contractual Conditions between User and EP	24
Section 10.8: Qualifications of the Environmental Professionals	24
Section 10.9: MSHDA Phase I Letter of Reliance.....	25
Section 10.10: Environmental Professional Insurance Certificates	25

APPENDICES

Section 10.1: Figure 1: Site Vicinity Map	
Section 10.2: Figure 2: Site Plan	
Figure 3: Site Features Diagram	
Section 10.3: Site Photographs	
Section 10.4: Aerial Photographs	
Historical Sanborn Maps	
City Directory Report	
Section 10.5: Environmental Database Report	
Section 10.6: User Disclosure Statement	
Owner Questionnaire	
Title Records	
MDEQ RRD Perfected Lien List	
2010 Physical Needs Assessment Report	
FOIA Requests	
Legal Description	
Section 10.7: FEMA FIRMette Map	
MDEQ Wetland Map	
Noise Assessment Documentation	
Vapor Encroachment Screen Report	
NEPA Report	
Section 10.8: Environmental Professional(s) Profiles	
Section 10.9: MSHDA Phase I Letter of Reliance	
Section 10.10: Professional Liability Insurance Certificates	
Signed Proposal	

SECTION IX

2013 MSHDA PHASE I SUMMARY COVER SHEET

Project Name: Maple Meadows
 Project Address: 800-890 South Maple Road, Ann Arbor, Michigan 48103
 Sponsors Name: Norstar Development USA, L.P. E-mail: lharris@norstarus.com
 Consulting Firm: Environmental Resources Group
 Consultant Phone: (248) 773-7986 E-mail: penny.dwoinen@ergrp.net
 Project #: 1129.001 Report Date: July 26, 2013

Additional Site Info (please complete if known)

Site area: 3.43 acres	# Units planned 30
Vacant land: <input type="checkbox"/> Developed: <input checked="" type="checkbox"/>	If developed, # existing buildings: five
Date(s) of construction for existing structures:	1970
Single Site: <input checked="" type="checkbox"/> Scattered sites: <input type="checkbox"/>	If scattered, # sites:
Rehab of existing structure(s): <input checked="" type="checkbox"/>	New Construction <u>with</u> planned demolition of existing structure(s): <input type="checkbox"/>
Adaptive Re-Use: <input type="checkbox"/>	New Construction <u>without</u> planned demolition of existing structure(s): <input type="checkbox"/>

Please answer all questions below, noting the appropriate page or appendix in your report that contains the supporting documentation. **Summary Cover Sheets containing unknown or incomplete responses will not be processed and will be returned for correction.**

1. Report Findings

- a. The site contains Wetland area(s). Yes No
(See requirements in Sec. IV, H.6)
- b. The site or a portion of the site is in the Special Flood Hazard Area. Yes No
(See requirements in Sec. IV, H.5)
- c. The site contains a UST(s) or AST(s). Yes No
(See requirements in Sec. IV, I)
- d. The Phase I ESA revealed a REC(s). Yes No
(See requirements in Sec. IV, D.5)
- e. There are high power electrical transmission lines within 500 feet of the subject site. Yes No N/A
(See requirements in Sec. IV, H.7)

f. There are buried high-pressure gas transmission lines (4" in diameter and 400 psi or greater) within 1000 feet of the subject site.

Yes No NA

(See requirements in Sec. IV, H.8)

g. The subject site is near a busy roadway or within 1000 feet of a limited access freeway or 3000 feet of a rail line, or within 15 miles of an airport.

Yes No

(See requirements in Sec. IV, H.9)

ASBESTOS

h. For structures undergoing renovation/remodeling, an Asbestos survey was performed.

Yes No

i. An Asbestos inspection satisfying NESHAP, state, and MSHDA requirements for demolition/remodeling activities as documented in the Sponsor's Comprehensive Needs Analysis or the Architect's Plans and Specifications for the project was performed.

Yes No

(See requirements in Sec. IV, H.1)

LEAD

j. For structures undergoing renovation/remodeling, a LBP assessment was performed.

Yes No

k. The LBP Risk Assessment and/or Lead Inspection satisfies HUD, state, and MSHDA requirements for the proposed demolition/remodeling activities as documented in the Sponsor's Comprehensive Needs Analysis or the Architect's Plans and Specifications for the project.

Yes No

(See requirements in Sec. IV, H.2)

l. For developments located in Branch, Calhoun, Cass, Hillsdale, Jackson, Kalamazoo, Lenawee, St. Joseph, and Washtenaw counties Radon mitigation measures are documented in the report.

Yes No

(See requirements in Sec. IV, H.5)

m. A "Recorded Land Records" search was performed.

Yes No

(See requirements in Sec. IV, C)

n. A Phase II investigation is required.

Yes No

(See requirements in Sec. V)

o. A Tier I and non-invasive Tier II Vapor Encroachment Screen were performed?

Yes No

(See requirements in Sec. IV, H.10)

p. A Vapor Encroachment Condition (VEC) was identified. An invasive Tier II investigation is recommended.

Yes No

(See requirements in Sec. IV, H.10)

2. Report Documentation Check List. If any of the responses below are "NO," do not submit report.

- a. MSHDA Phase I Letter of Reliance completed? Yes No
- b. User's Disclosure Statement completed? Yes No
- c. Certificate of insurances included? Yes No
- d. FEMA Flood Plain Map Included? Yes No
- e. Fire Insurance Maps or N.C. Letter Included? Yes No
- f. Development Site Plan Included? Yes No
- g. Site boundaries indicated on all maps and photos? Yes No

I represent that this Summary Cover Sheet accurately reflects the environmental information contained in the above captioned document.

Penny M. Dwoinen

Signature of Environmental
Professional

7/26/2013

Date

Penny M. Dwoinen, Project Engineer

Print or Type Legal Name

SECTION 1.0: EXECUTIVE SUMMARY

Section 1.1: Phase I ESA Summary and Conclusions

Environmental Resources Group, LLC (ERG) has completed a Phase I Environmental Site Assessment (ESA) of the South Maple Meadows Housing Development located at 800-890 South Maple Road, Ann Arbor, Washtenaw County, Michigan (hereafter referred to as the "Subject Property"). This Phase I ESA was conducted in general accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries (AAI), 40 CFR Part 312(2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-05* (ASTM Standard Practice E 1527-05) (3) *ASTM Standard Practice for Vapor Encroachment Screening on Property involved in Real Estate Transactions / Designation E 2600-10* (ASTM Standard Practice E 2600-10) and (4) MSHDA's 2013 Environmental Review Requirements (dated 1/17/13).

The Report was prepared for the exclusive use of NORSTAR DEVELOPMENT USA, L.P., ANN ARBOR HOUSING COMMISSION, and the MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY, each of whom may rely on the Report's contents.

The Subject Property contains approximately 3.4 acres and is located on the west side of South Maple Road in Ann Arbor, Michigan. The Subject Property is developed with five 2-story multi-tenant apartment buildings with associated parking area, basketball court and landscaping. The adjoining properties are developed with residential properties and a park.

Reasonably ascertainable records for the subject property extended back to approximately 1934. Data failure occurred prior to that date. However, no significant data gaps were identified during the completion of this Phase I ESA. Standard and other historical sources were able to document the first developed use of the subject property as agricultural land occurred prior to 1934. The property was used for agricultural land from at least 1937 to at least 1970. The current multi-tenant apartment buildings were constructed in 1970.

In the professional opinion of ERG, an appropriate level of inquiry has been made into the previous ownership and uses of the property consistent with good commercial and customary practice in an effort to minimize liability, and no evidence or indication of RECs has been revealed.

Conclusions

ERG has performed an Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527-05, ASTM Practice E 2600-10 and the Michigan State Housing Development Authority (MSHDA) Environmental Review Guidelines for 2013 of the South Maple Meadows Housing Development located at 800-890 South Maple Road, Ann Arbor, Washtenaw County, Michigan. Any exceptions to or deletions from this practice are described in the Limitations section of this report.

Based on the results of this Phase I ESA, no additional environmental investigation is recommended.

Section 1.2: Identified Data Gaps

ERG did not identify significant data gaps during the completion of this Phase I ESA.

Section 1.3: Liens or Activity and Use Limitations

The Client did not report any: (1) environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state, or local law; or (2) activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls, that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state, or local law.

ERG obtained a copy of the current Michigan Department of Environmental Quality (MDEQ) **Remediation And Redevelopment Division Perfected Lien List** dated April 26, 2013. There was no information regarding environmental liens encumbering the subject property.

The summary presented above is general in nature and should not be considered apart from the entire text of the report, which contains the qualifications, considerations and subject property details mentioned herein. Details of findings and conclusions are elaborated upon in this report.

SECTION 2.0: INTRODUCTION

Environmental Resources Group, LLC (ERG) has completed a Phase I Environmental Site Assessment (ESA) of the South Maple Meadows Housing Development located at 800-890 South Maple Road, Ann Arbor, Washtenaw County, Michigan (hereafter referred to as the "Subject Property"). This Phase I ESA was conducted in general accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries (AAI), 40 CFR Part 312 (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-05* (ASTM Standard Practice E 1527-05) (3) *ASTM Standard Practice for Vapor Encroachment Screening on Property involved in Real Estate Transactions / Designation E 2600-10* (ASTM Standard Practice E 2600-10) and (4) MSHDA's 2013 Environmental Review Requirements (dated 1/17/13).

Section 2.1: Purpose

ERG was retained to conduct this Phase I ESA of the Subject Property to assist the owner in procuring financing for renovation activities. The ESA was designed to be consistent with the All Appropriate Inquiries regulations of USEPA and ASTM Standard E1527-05 and to provide the owner of the property an objective, professional opinion of environmental risks, if any, associated with the property through the identification of RECs, to the extent feasible pursuant to the process prescribed in the Standard.

Section 2.2: Detailed Scope of Services

ERG's scope-of-services is based on its proposal dated March 27, 2013, and the terms and conditions of that agreement. This Phase I ESA included the following:

- A visual survey of the property to identify areas of potential environmental concern. Color photographs taken to document the Subject Property conditions at the time of the reconnaissance are included in this Report.
- A visual observation of neighboring properties or facilities to assess whether surface conditions on these properties may have adverse environmental impact on the Subject Property.
- Historical land use review of the Subject Property back to 1940 or the first developed use, whichever occurred earlier.
- Collection and review of existing published information relating to general geology, hydrogeology, and topographical information for the Subject Property.
- A regulatory agency file search to identify federal and state listed sites of known or potential environmental concerns located within the minimum search distances from the Subject Property as specified in ASTM E1527-05 and EPA's All Appropriate Inquiry codified in federal regulation - 40 CFR, Part 312.
- Interviews with the Subject Property owner, the owner's representative(s), representatives of the state, county, and local regulatory agencies, or other person's with knowledge of the site.

- Review of the potential for wetlands and floodplains in the area of the Subject Property.
- Evaluation of the potential for railroad/roadway/airport noise including a noise assessment conducted to the US Department of Housing and Urban Development (HUD) guidelines.
- Vapor Encroachment Screen (VES).
- Evaluation of compiled information and preparation of a report.

Section 2.3: Significant Assumptions

ERG assumes the information reviewed in this assessment (including government records and environmental databases, prior ESAs, and historical sources) are reliable and accurate. We also assume all interviewees have responded truthfully and to the extent of their knowledge.

Section 2.4: Limitations and Exceptions

The information gathered for this Phase I ESA is limited to information that is publicly available, obtainable within reasonable time and cost constraints, and is practically reviewable. It is also limited to conspicuous visual indicators encountered during the Subject Property reconnaissance. The ESA interpretations are made within the context of these limitations.

There were no deletions from the ASTM Standard.

The findings of this report are valid as of the July 26, 2013, subject to the Phase I ESA Limitations listed above. An updated Phase I ESA will be required for the Subject Property after a period of 180 days.

Section 2.5: Special Terms and Conditions

To ERG's knowledge, no special terms or conditions apply to the preparation of this Phase I ESA.

Section 2.6: User Reliance

The Report was prepared for the exclusive use of NORSTAR DEVELOPMENT USA, L.P., ANN ARBOR HOUSING COMMISSION, and the MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY, each of whom may rely on the Report's contents.

ERG acknowledges that these parties may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, ERG makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party.

SECTION 3.0: SUBJECT PROPERTY DESCRIPTION

Section 3.1: Location and Legal Description

The subject property contains approximately 3.4 acres and is located on the west side of South Maple Road in Ann Arbor, Michigan. The subject property is located in Section 25, Township 2 South, Range 5 East, Ann Arbor, Washtenaw County, Michigan. The legal description of the subject property is presented in Section 10.6. *Figure 1, Site Location Map* depicts the general location of the Subject Property.

Section 3.2: Subject Property and Vicinity Characteristics

Based on visual observations, the Subject Property is located in a lightly developed area of Ann Arbor. The Subject Property is developed with five 2-story multi-tenant apartment buildings with associated parking area, play area and landscaping. The adjoining properties are developed residential properties. *Figure 2, Site Development Plan and Figure 3, Site Features Diagram* depict the general layout of the Subject Property.

Section 3.3: Current Use of the Property

The subject property is currently occupied by the South Maple Meadows Housing Development, five 2-story multi-tenant apartment buildings. The subject property is owned and operated by the Ann Arbor Housing Commission.

Section 3.4: Descriptions of Structures, Roads and Other Improvements on the Property

The Subject Property is developed with five 2-story multi-tenant apartment buildings. An asphalt parking lot, a playground area, and a basketball court were observed around the site buildings. Landscaping and grass lawn was observed surrounding the site buildings.

ERG did not observe any groundwater wells on the Subject Property during the site reconnaissance. The Subject Property area receives drinking water from the City of Ann Arbor.

ERG did not observe signs of septic systems or wastewater lagoons on the Subject Property during the site reconnaissance. Wastewater generated at the Subject Property is discharged to the City of Ann Arbor sanitary sewer. Additionally, surface run off from the Subject Property is collected by existing storm sewers and discharged to the City of Ann Arbor municipal storm sewers.

Section 3.5: Current Uses of Adjoining Properties

Adjoining properties were viewed from the subject property and/or public roadways. Current uses of the adjoining properties include:

- North: Bens Street followed by residential houses
- South: Russell Street followed by residential houses
- East: S. Maple Road followed by vacant land and a daycare center
- West: a public park

SECTION 4.0: USER PROVIDED INFORMATION

ERG provided Ms. Lori Harris of Norstar Development USA, L.P. (i.e. the User) with a copy of MSHDA's User's Environmental Questionnaire and Disclosure Statement, which was completed and returned to ERG. None of the questions were answered in the affirmative or in a manner that would suggest the potential for RECs by Ms. Harris. No other specialized knowledge or experience of the subject property was provided to ERG by the User.

Section 4.1: Title Records

A chain of title search was provided to ERG for review. No indications of environmental liens were noted in the review of the title search.

Section 4.2: Environmental Liens or Activity and Use Limitations

The Client did not report any:

- Environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state, or local law
- Activity and use limitations (AULs), that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state, or local law.

ERG obtained a copy of the current Michigan Department of Environmental Quality (MDEQ) **Remediation And Redevelopment Division Perfected Lien List** dated April 26, 2013. There was no information regarding environmental liens encumbering the subject property. A copy of the MDEQ RRD Perfected Lien List is presented in Section 10.6.

Section 4.3: Specialized Knowledge of the User

Ms. Harris did not report any other specialized knowledge or experience, actual knowledge, or commonly known or reasonable ascertainable information that is material to identifying recognized environmental conditions in connection with the subject property.

Section 4.4: Commonly Known or Reasonably Ascertainable Information

Ms. Harris did not report knowledge of any commonly known or reasonably ascertainable information within the local community that is material to RECs in connection with the subject property.

Section 4.5: Valuation Reduction for Environmental Issues

Ms. Harris did not report knowledge of, or reason to anticipate, a reduction in the value of the subject property for environmental issues.

Section 4.6: Owner, Property Manager, and Occupant Information

Ms. Harris did not report knowledge relevant information from the owner, property manager, or occupants.

Section 4.7: Reason for Performing this Phase I ESA

According to Ms. Harris, this Phase I ESA was conducted to fulfill MSHDA's requirements as part of an application for a MSHDA tax credit.

Section 4.8: Other

Ms. Harris did not provide ERG with any additional information pertaining to the subject property.

A copy of the completed MSHDA User's Environmental Questionnaire and Disclosure Statement, the title records, and the MDEQ RRD Perfected Lien List are presented in Section 10.6.

SECTION 5.0: RECORDS REVIEW

Section 5.1: Standard Environmental Record Sources

ERG retained Environmental Data Resources Inc. (EDR) to provide current environmental database information compiled by a variety of federal and state regulatory agencies. A copy of the database report is included in Section 10.5. The purpose of obtaining this data was to evaluate potential environmental risks associated with the subject property, adjoining sites, and other sites that are within varying distances of up to one mile from the subject property.

Section 5.1.1: Subject Property and Occupant Listings

The EDR Report does not identify the subject property on the databases.

Section 5.1.2: Adjoining and Nearby Sites

The review of the referenced databases considered the potential or likelihood of contamination from adjoining and nearby sites. Only those sites that are judged to present a potential environmental risk to the subject property and/or warrant additional clarification are further evaluated. Using the referenced criteria, and based upon a review of readily available information contained within the EDR Report, ERG did not identify adjoining or nearby sites listed in the EDR Report that were judged to present a potential environmental risk to the subject property.

Sixteen properties, located between 0.2 mile and 1.0 mile from the Subject Property, were listed in the environmental databases. ERG eliminated each of the properties listed in the EDR database from further consideration based the separation distance and down or cross gradient locations. Therefore, the sixteen listed properties are unlikely to significantly impact the Subject Property.

Section 5.1.3: Orphan Sites

ERG used available mapping software and observations made during the Subject Property reconnaissance to eliminate the fourteen identified orphan properties because they appear to be located outside the ASTM target radii for their respective databases.

Section 5.2: Additional Environmental Records Sources

Section 5.2.1: Assessing Records

ERG attempted to review reasonably ascertainable assessment information provided by the City of Ann Arbor Assessing Department, however no file information was available. A representative of the City of Ann Arbor Assessing Department indicated since the Subject Property was city owned, no assessing

records were maintained. ERG reviewed the online assessing records, which included a legal description of the Subject Property (Parcel 09-08-25-402-018). The online assessing record is provided in Section 10.6.

Section 5.2.2: Zoning Department Records

ERG reviewed the City of Ann Arbor zoning map. The subject property is currently zoned "PL, Public Land." The review of the Zoning Map did not identify potential environmental concerns associated with the subject property based on its current zoning.

Section 5.2.3: Previous Site Investigations

No previous environmental investigations were provided to ERG for review. The Ann Arbor Housing Commission provided a Physical Needs Assessment Report conducted at the Subject Property in 2009. ERG reviewed the Physical Needs Assessment Report and did not find indications of RECs in the report. The Physical Needs Assessment Report is provided in Section 10.6.

Section 5.3: Physical Setting Source(s)

The United States Geological Survey Division (U.S.G.S.) 7.5-Minute Topographic Map of the Ann Arbor West, Michigan Quadrangle, 1965 (photo revised in 1983) for the subject property was reviewed in accordance with the ASTM standards (Figure 1). Based on the topographic map, the subject property is located at an approximate elevation of 960 to 970 feet above mean sea level. The immediate subject property area appears to slope to the southeast.

The "Quaternary Geology of Southern Michigan", Department of Geological Sciences, University of Michigan, Ann Arbor, Michigan (1982); and "Bedrock Geology of Southern Michigan", Michigan Department of Natural Resources, Geological Survey Division (1987) were reviewed.

According to the aforementioned sources, in this area of Washtenaw County, quaternary deposits are underlain by bedrock composed of Coldwater Shale. Bedrock is covered by end moraines of medium textured till. The surface sediments in the area of the site generally consist of end moraines of medium-textured till, gray to reddish brown, non-sorted glacial debris. The matrix is dominantly loam and silty loam texture with variable amounts of cobbles and boulders. It occurs in narrow linear belts of hummocky relief marking former stillstands of ice-sheet margins and includes small areas of ground moraine as well as outwash. The drift thickness is approximately 20 to 30 meters

Section 5.4: Historical Use Information on the Property

Section 5.4.1: Aerial Photographs for the Subject Property

Aerial photographs of the Subject Property and surrounding area, provided by EDR from 1937-2010, were reviewed. The aerial photographs indicated the following:

1937-1969: The Subject Property appeared to be developed with agricultural land.

1978-2012: The Subject Property was developed with the five apartment buildings and associated parking lot.

Except as discussed, the scale and resolution of the aerial photographs limited observation of special Site features, such as relief, areas of staining, soil disturbances or areas of outdoor storage. The Site was developed in 1937 and redeveloped in the 1970s. No indications of RECs were identified on the aerial photographs reviewed. A copy of the aerial photographs is presented in Section 10.4.

Section 5.4.2: Historical Sanborn Maps for the Subject Property

A search of the Sanborn Map collection provided by EDR was performed for available fire insurance maps depicting the Subject Property. No fire insurance maps were found to be available for the Subject Property or this area of Ann Arbor, Michigan. A copy of the EDR Sanborn Map No Coverage sheet is presented in Section 10.4.

Section 5.4.3: Local Street Directories for the Subject Property

EDR researched City Directory Listings for the nearby properties from 1934 to 2012. Directories were researched in at least five-year increments, when available. It should not be construed that the earliest date represented is the initial date of occupancy. The City Directories showed that the Subject Property addresses were not listed in the directories from 1934 to 1969. The current South Maple Meadows Apartments were listed from 1974 to 2012. A copy of the EDR City Directory Report is presented in Section 10.4.

Section 5.5: Historical Use Information on the Adjoining Properties

Section 5.5.1: Aerial Photographs for the Adjoining Properties

Aerial photographs of the Subject Property and surrounding area, provided by EDR from 1937-2012, were reviewed. The aerial photographs indicated that the Subject property was in a residential area of Ann Arbor.

Aerial Summary for the Adjoining Properties

Year	North Adjoining Property	East Adjoining Property	South Adjoining Property	West Adjoining Properties
1937 to 1955	The property appears to be developed with a residential house.	The property appears to be developed with agricultural fields.	The property appears to be developed with a residential house.	The property appears to be developed with agricultural fields.
1961 to 1969	No significant changes from previous aerial.	The property appeared to be under construction.	No significant changes from previous aerial.	No significant changes from previous aerial.
1978 to 1992	No significant changes from previous aerial.	A commercial building was observed. The remainder of the property was undeveloped.	No significant changes from previous aerial.	A park was observed.
2000	No significant changes from previous aerial.	No significant changes from previous aerial.	Additional residential houses were observed.	No significant changes from previous aerial.
2005 to 2012	Residential houses were observed.	No significant changes from previous aerial.	No significant changes from previous aerial.	No significant changes from previous aerial.

Except as discussed, the scale and resolution of the aerial photographs limited observation of special Site features, such as relief, areas of staining, soil disturbances or areas of outdoor storage. The adjoining properties were developed as agricultural land or residential properties prior to 1937. No obvious indications of RECs were identified on the aerial photographs reviewed. A copy of the aerial photographs is presented in Section 10.4.

Section 5.5.2: Historical Sanborn Maps for the Adjoining Properties

No fire insurance maps were found to be available for the Subject Property or this area of Ann Arbor, Michigan. A copy of the EDR Sanborn Map No Coverage sheet is presented in Section 10.4.

Section 5.5.3: Local Street Directories for the Adjoining Properties

EDR researched City Directory Listings for the nearby properties from 1934 to 2012. Directories were researched in at least five-year increments, when available. It should not be construed that the earliest date represented is the initial date of occupancy. The city directory listings indicated that the Subject property was surrounded by residential dwellings and a day care center from 1934 to 2012. There were no indications of RECs in the City Directory listings. A copy of the EDR City Directory Report is presented in Section 10.4.

SECTION 6.0: SITE RECONNAISSANCE

Section 6.1: Methodology and Limiting Conditions

The Subject Property reconnaissance was completed in a meander and search pattern and consisted of visual and/or physical observations of the Subject Property and improvements, adjoining properties as viewed from the Subject Property boundaries, and the surrounding area based on visual observations made from adjacent public thoroughfares.

Ms. Penny Dwoinen of ERG conducted the site reconnaissance on May 30, 2013. At the time of the reconnaissance, weather conditions were sunny and warm with a temperature of approximately 80 degrees Fahrenheit. Site Photographs taken during the reconnaissance of the Subject Property are presented in Section 10.3.

No significant portions of the Subject Property were inaccessible or excluded from this survey.

Section 6.2: General Subject Property Setting

The subject property contains approximately 3.4 acres and is located on the west side of South Maple Road in Ann Arbor, Michigan. Based on visual observations, the Subject Property is located in a lightly developed residential area of Ann Arbor. The Subject Property is developed with five 2-story multi-tenant apartment buildings, which were constructed in 1970. The buildings contained 30 apartments and an attached community center. An asphalt parking lot and a basketball court were observed on the north and west sides of the Subject Property. Landscaping and grass lawn was observed surrounding the site buildings.

Section 6.3: Exterior Observations

The Subject Property developed with five 2-story multi-tenant apartment buildings. Each of the apartment units was accessible from the front door with a small porch and a rear door with a small patio. The rear patios were surrounded by fences.

An asphalt parking lot was observed on the north side of the Subject Property. The parking lot was accessible from South Maple Road. A basketball court was observed on the northwest portion of the Subject Property. Landscaping, grass lawns, and sidewalks were observed across the Subject Property.

No ponds, or lagoons were identified on the Subject Property during the site reconnaissance. ERG observed two municipal waste dumpsters on the east side of the asphalt parking lot on the east side of the Subject Property. The dumpsters were surrounded by a fence on three sides.

ERG did not observe any evidence of USTs (i.e. fill ports, vent pipes, etc.) during the site reconnaissance

and no records of USTs are on file with the MDEQ-RRD, Lansing, Michigan. ERG did not observe any evidence of ASTs/55-gallon drum storage on the subject property.

Two pad-mounted, liquid-cooled transformers were observed on the Subject Property. No labels indicating the PCB content were observed on the transformers. The transformers were observed to be in good condition and no evidence of spills or leaks was identified during the Site reconnaissance. Based on the observations, the transformers are not considered an REC to the Site.

Section 6.4: Interior Observations

The Site buildings are two-story structures with basements. The apartment buildings contained 30 apartment units and an attached community center. Each apartment contained between two and four bedrooms, a bathroom, a kitchen, and living space. Each apartment was decorated individually, but each had vinyl tile and carpet for flooring, drywall walls, and aluminum-framed windows. The mechanical systems (furnaces and water heaters) were located in the basement of each individual apartment unit.

The community center was located on the north side of the eastern most building. The community center was available for the use of the residents and ran programs for the children and adults of the complex.

Commercially available cleaning chemicals were observed in each individual apartment unit and in the community center. The materials were observed in small amounts (less than 10 one-gallon containers) and no leaks or spills were observed. No other chemical use or storage was observed at the Subject Property.

SECTION 7.0: INTERVIEWS

Section 7.1: Interview with Owner

ERG requested information from the Ann Arbor Housing Commission (AAHC), the owner of the Subject Property. ERG requested information from a representative of the AAHC. Ms. Jennifer Hall indicated the Subject Property was developed with a low-income public-housing development. Ms. Hall did not provide information that would indicate an REC. A copy of the owner questionnaire is presented in Section 10.6.

Section 7.2: Interview with "Key Site Manager"

The ASTM Standard identified the "key site manager" as a person with good knowledge of the uses and physical characteristics of the property. As discussed above, AAHC owns and operates the Subject Property. No other Key Site Manager was identified.

Section 7.3: Interview with Occupants

The Subject Property is owned and operated by the AAHC and occupied by private individuals. The interview with the AAHC is outlined in Section 7.1 above. Individual private residents were not interviewed as part of this assessment.

Section 7.4: Interview with Local Government Officials

Section 7.4.1: Local Fire Department

ERG submitted a Freedom of Information Act (FOIA) request to the City of Ann Arbor Fire Department to review fire inspection records for the subject property. The Ann Arbor Fire Department provided a list of calls to the Subject Property from 2007 -2013. No calls regarding environmental issues were noted. Several 1977 fire inspection reports were provided for individual apartments. No indications of chemical use or storage were noted in the inspection reports. There was no other information provided for the Subject Property. Correspondences with the local regulatory agencies are presented in Section 10.6.

Section 7.4.2: Local Health Department

ERG submitted a FOIA request to the Washtenaw County Health Department. The Washtenaw County Health Department indicated that there were no records for the Subject Property. Correspondences with the local regulatory agencies are presented in Section 10.6.

Section 7.5: Interview with Others

No other interviews were completed for the subject property.

SECTION 8.0: EVALUATION AND REPORT PREPARATION

Section 8.1: Findings

No known or suspect environmental conditions associated with the subject property have been identified.

Section 8.2: Opinion

ERG has performed an Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527-05, ASTM Practice E 2600-10 and the Michigan State Housing Development Authority (MSHDA) Environmental Review Guidelines for 2013 of the South Maple Meadows Housing Development located at 800-890 South Maple Road, Ann Arbor, Washtenaw County, Michigan. Any exceptions to or deletions from this practice are described in the Limitations section of this report.

Based on the results of this Phase I ESA, no additional environmental investigation is recommended.

Section 8.3: Additional Investigation

Based on the results of this Phase I ESA, no additional environmental investigation is recommended.

Section 8.4: Data Gaps

ERG did not identify or encounter any instances of significant data gaps during the course of this ESA.

Section 8.5: Conclusions

ERG has performed an Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527-05, ASTM Practice E 2600-10 and the Michigan State Housing Development Authority (MSHDA) Environmental Review Guidelines for 2013 of the South Maple Meadows Housing Development located at 800-890 South Maple Road, Ann Arbor, Washtenaw County, Michigan. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions connected with the property.

Section 8.6: Additional Services

No additional services were included in the scope of work for this Phase I ESA.

Section 8.7: Deviations

ERG did not deviate from ASTM Standard Practice E 1527-05 or MSHDA's 2013 Environmental Review Requirements when performing this Phase I ESA.

Section 8.8: References

The information contained in this report reflects that obtained from the following sources:

- Reconnaissance/walk-through of the subject property conducted on May 30, 2013
- Interviews (or attempts to interview through written or verbal correspondence) with Ms. Lori Harris, a representative of Norstar Development USA, L.P., Ms. Jennifer Hall, Director of Ann Arbor Housing Commission, a representative of the City of Ann Arbor Fire Department; a representative of the City of Ann Arbor Assessing Department; a representative of the Washtenaw County Health Department
- Review of aerial photography obtained from Environmental Data Resources, Inc. (EDR)
- Review of Sanborn Fire Insurance maps obtained from EDR
- Review of City Directory Listings obtained from EDR
- Review of reasonably ascertainable records from the City of Ann Arbor Assessing Department
- Written FOIA request sent to the Washtenaw County Health Department
- The United States Geological Survey Division (U.S.G.S.) 7.5 Minute Topographic Map Ann Arbor West, Michigan Quadrangle, 1965 (photo revised in 1983)
- Review of the "Hydrogeologic Atlas of Michigan", produced by Western Michigan University and the United States Environmental Protection Agency, 1981
- Review of the "Bedrock Geology of Southern Michigan", Michigan Department of Natural Resources (MDNR), Geological Survey Division, 1987
- Review of the "Quaternary Geology of Southern Michigan", Department of Geological Sciences, University of Michigan, Ann Arbor, Michigan (1982)
- Review of federal and state regulatory records as part of the ASTM Standard Environmental Record Sources, provided by EDR, Milford, Connecticut
- Review of Vapor Encroachment as part of the services provided by EDR, Milford, Connecticut

- Review of MDEQ RRD Perfected Lien List, dated April 26, 2013, available from website at http://www.michigan.gov/documents/deq/deq-rrd-ce-PERFECTEDLIENLIST.100212_399835_7.pdf
- Review of MDEQ Wetland Map through the MDEQ online Wetland viewer website at www.mcgi.state.mi.us/wetlands/mapBasic.aspx
- Review of FEMA Floodplain Maps from the FEMA Map Service Center Website at <http://map1.msc.fema.gov>

Section 8.9: Signature of Environmental Professional(s)

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 inquires in conformance with the standards and practices set forth in 40 CFR Part 312.



Penny M. Dwoinen
Project Engineer



Andrew J. Foerg, CPG
Senior Project Manager

Section 8.10: Qualification(s) of Environmental Professional(s)

The qualifications of the environmental professionals are outlined on the profiles presented in Section 10.8.

SECTION 9.0: NON-SCOPE CONSIDERATIONS

Section 9.1: Friable and Non-friable Asbestos Containing Materials (ACMs)

An asbestos containing material survey was conducted at the Site in accordance with MSHDA requirements. The ACM report will be submitted under separate cover.

Section 9.2: Lead-Based Paint

A lead based paint inspection and risk assessment was conducted at the Site in accordance with MSHDA requirements. The Lead Paint report will be submitted under separate cover.

Section 9.3: Formaldehyde Insulation

No obvious signs of formaldehyde insulation were observed during the site reconnaissance.

Section 9.4: Radon gas

A Radon survey was conducted at the Site in accordance with MSHDA requirements. The Radon report will be submitted under separate cover.

Section 9.5: 100-Year Floodplain

According to a Federal Emergency Management Agency (FEMA) floodplain map, dated April 3, 2012 (Panel No. 26161Co244E), no portions of the subject property are located within the 100-year flood zone. A copy of the floodplain map is included in Section 10.7.

Section 9.6: Wetlands

According to the MDEQ online Wetland viewer(www.mcgi.state.mi.us/wetlands/printMap.aspx), no wetlands are located on the subject property. In addition, no obvious wetland areas or wetland vegetation was observed on the Subject Property during the site reconnaissance. A printout from the MDEQ online Wetland viewer is presented in Section 10.7.

Section 9.7: Electromagnetic Fields

The Subject Property is being renovated and electromagnetic fields were not reviewed as part of this Phase I ESA.

Section 9.8: High Pressure Buried Gas Lines

The Subject Property is being renovated and high pressure gas lines were not reviewed as part of this Phase I ESA.

Section 9.9: Noise Analysis

MSHDA requires that a noise assessment be completed for all development sites that are located within 1,000 feet of a limited access highway, or near a busy roadway (4-lane or more roadway with posted speeds at or above 45 miles an hour), or 3,000 feet of a railroad track, or 15 miles of an airport.

The Subject Property is located within 1,000 feet of Interstate-94 (a limited access highway). The Subject Property is not located near a busy roadway. ERG used the State of Michigan Department of Transportation (MDOT) ADT maps to determine the average daily traffic on this portion of I-94. The ADT numbers were then used in the US Department of Housing and Urban Development (HUD) noise DNL calculator. The roadway noise was calculated at 68.0638.

The Subject Property is not located within 3,000 feet of a railroad track. Therefore, noise from railways is not required to be considered.

The subject property is also located approximately 3.74 miles to the north northeast of the Ann Arbor Municipal Airport and 12.3 miles to the west northwest of the Willow Run Airport. ERG reviewed noise contour maps from both of the airports. The subject property was located well outside the DNL noise contours of both airports, and the airport noise is not considered significant.

The calculated DNL for the roadway noise was 68, which falls in the normally unacceptable noise range designated by HUD. Further consideration may be needed.

The noise assessment documentation is presented in Section 10.7.

Section 9.10: Assessment of Potential Vapor Encroachment Conditions (VECs)

ERG completed a Tier I and non-invasive Tier II Vapor Encroachment Screen (VES) of the Subject Property. The Tier I and non-invasive Tier II VES was conducted in general accordance with the guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions Designation E 2600-10* (ASTM Standard Practice E 2600-10).

The purpose of the VES was to determine if potential Vapor Encroachment Concerns (pVECs) or Vapor Encroachment Concerns (VECs) exist in association with the target property. ASTM's Standard Practice E 2600-10 defines the term VEC as the presence or likely presence of any contaminant of concern (COG)

in the indoor air environment of existing or planned structures on a property caused by the release of vapor from contaminated soil or groundwater either on the property or within close proximity to the property, at a concentration that presents or may present an unacceptable health risk to occupants. A VEC can be further defined as any COC within 100 feet for soil impacts or ground water impacts of an existing/planned structure or to the target property boundary if there are no planned structures.

The scope of this Tier I VES included a review of the geologic, hydrologic, hydrogeologic, topographic maps, aerial photography, city directories, Sanborn Fire Insurance Maps, a review of previous site investigations, regulatory databases and other pertinent data obtained during the preparation of the Phase I ESA.

The Tier II component of this VES included the use of professional judgment for additional nearby properties outside of the scope of a typical Phase I records review. No subsurface investigation of the property was undertaken as part of this Tier I and non-invasive Tier II VES.

ERG utilized EDR's VEC App Software to assist in completion of the E 2600-10 Tier I VES. The VEC App software performs an initial search of all ASTM E 2600-10 standard government record databases and EDR proprietary historical records related to former dry cleaners, gas stations and manufactured gas plants within the 1/3 mile maximum distance defined in ASTM E 2600-10 for COC-contaminated sites.

The screen for pVECs within the default Area of Concern identified no pVECs. Upon review of the environmental database report, ERG agreed with EDR's VEC App Software. This Tier I and non-invasive Tier II VES did not reveal any further VECs in association with the target property and/or nearby/adjointing properties.

The EDR Vapor Encroachment Screen Report is presented in Section 10.7.

A copy of the NEPA Report, prepared by The Mannik & Smith Group, a MSHDA NEPA Qualified Consultant is provided in Section 10.7.

SECTION 10.0: APPENDICES

Section 10.1: Site Vicinity Map

The Site Vicinity Map is presented as Figure 1 in Section 10.1.

Section 10.2: Site Plan

The Site Plan is presented as Figure 2 and the Site Features Diagram is presented as Figure 3 in Section 10.2.

Section 10.3: Site Photographs

The Site Photographs are presented in Section 10.3.

Section 10.4: Historical Research Documentation

The following historical research documentation is presented in Section 10.4:

- Aerial Photographs
- Historical Sanborn Maps
- City Directory Report

Section 10.5: Regulatory Records Documentation

The Environmental Database Report is presented in Section 10.5.

Section 10.6: Interview Documentation

The following non-scope documentation is presented in Section 10.6:

- The User Disclosure Statement
- Owner Questionnaire
- Title Records
- MDEQ Perfected Lien List
- 2010 Physical Needs Assessment Report
- Correspondences with regulatory agencies
- Legal Description

Section 10.7: Special Contractual Conditions between User and EP

The following non-scope documentation is presented in Section 10.7:

- FEMA FIRMette
- Wetland Map
- Noise Assessment Documentation
- EDR Vapor Encroachment Screen Report
- NEPA Report

Section 10.8: Qualifications of the Environmental Professionals

The profiles of the EPs involved in this Phase I ESA are presented in Section 10.8.

Section 10.9: MSHDA Phase I Letter of Reliance

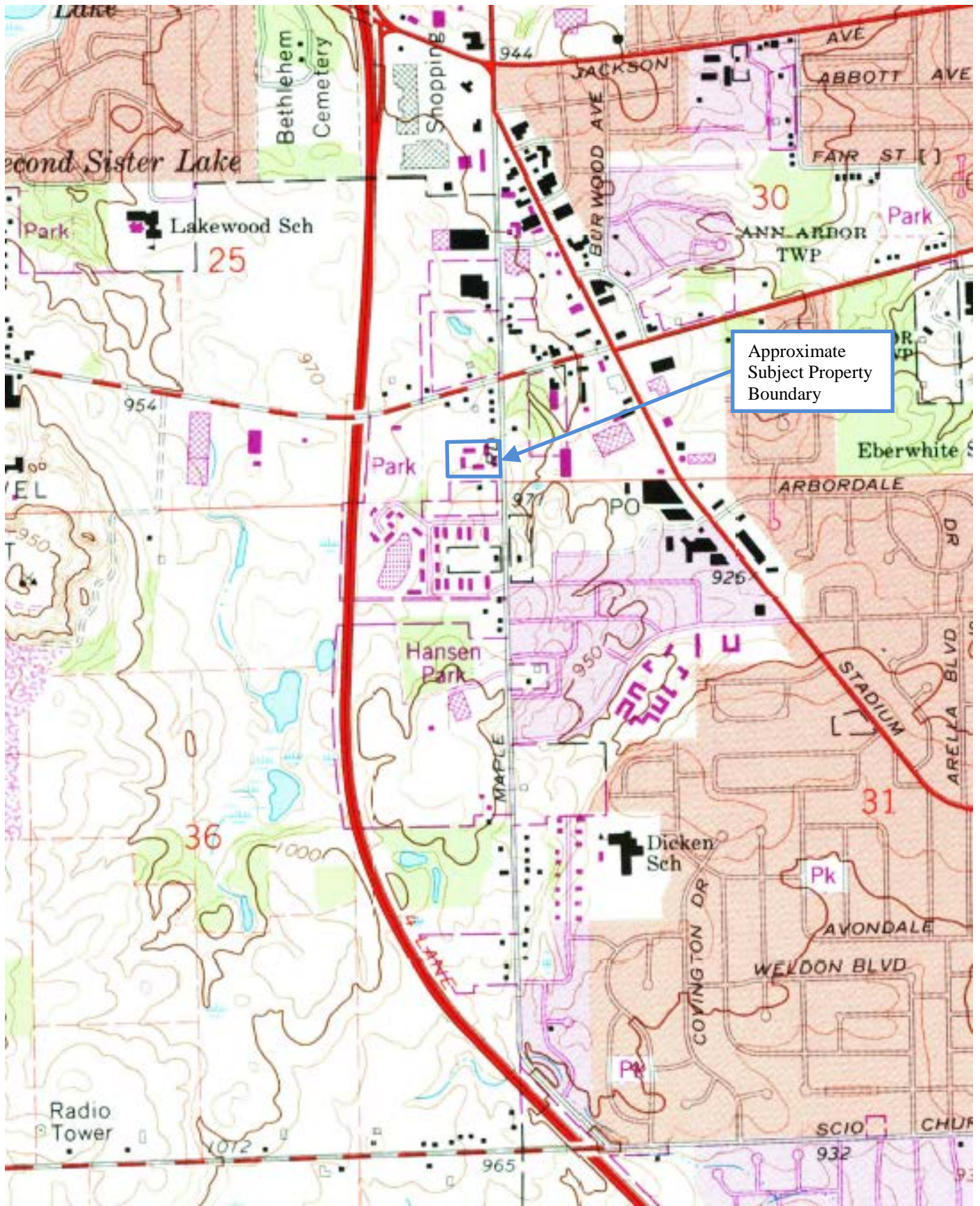
The MSHDA Phase I Letter of Reliance is presented at the beginning of this Report and in Section 10.9.

Section 10.10: Environmental Professional Insurance Certificates

The Professional Liability Insurance Certificates and signed proposal are presented in Section 10.10.

SECTION 10.1

Figure 1: Site Map



Approximate
Subject Property
Boundary

Figure : 1 - Site Vicinity Map
 South Maple Meadows
 800-890 S. Maple Road, Ann Arbor, Michigan

Source: USGS Ann Arbor West 7.5 Minute Topographic Map

SECTION 10.2

Figure 2: Site Plan

Figure 3: Site Features Diagram

LEGEND

⊙	EXIST. CULVERT/END SECTION	⊙	EXISTING GAS METER
○	EXIST. MANHOLE	⊙	EXISTING WATER VALVE
□	EXIST. CATCH BASIN/INLET	⊙	EXISTING HYDRANT
⊙	EXIST. ELECTRIC TRANSFORMER	⊙	EXISTING SIGN
⊙	EXIST. CURB AND GUTTER	⊙	EXISTING SIGN
⊙	EXISTING FENCE	⊙	EXISTING SIGN
⊙	EXISTING WALL	⊙	EXISTING SIGN
⊙	EXISTING OVERHEAD LINE	⊙	EXISTING PARKING COUNT
⊙	EXISTING UNDERGROUND GAS	⊙	EXISTING CABLE MARKER
⊙	EXISTING WATER	⊙	EXISTING POSTS
⊙	EXISTING SANITARY	⊙	EXISTING UTILITY POLE
⊙	EXISTING STORM	⊙	EXISTING HANDICAP
⊙	EXISTING CONTOUR	⊙	EXISTING BOLLARD/POST
⊙	FOUND CONC. MONUMENT	⊙	EXISTING ELECTRIC METER
⊙	FOUND IRON ROD	⊙	EXISTING LIGHTPOLE
⊙	FOUND IRON ROD	⊙	EXISTING LIGHTPOLE
⊙	SET/LOADED IRON PIPE	⊙	EXISTING TELEPHONE RISER
⊙	LOCATION SHOWN PER CLIENT PROVIDED MAPS	⊙	
⊙	EXIST. CURB CUT/DOUBLE DOWN	⊙	
⊙	EXISTING GUY ANCHOR	⊙	
⊙		⊙	SECTION CORNER

SURVEYOR'S NOTES:

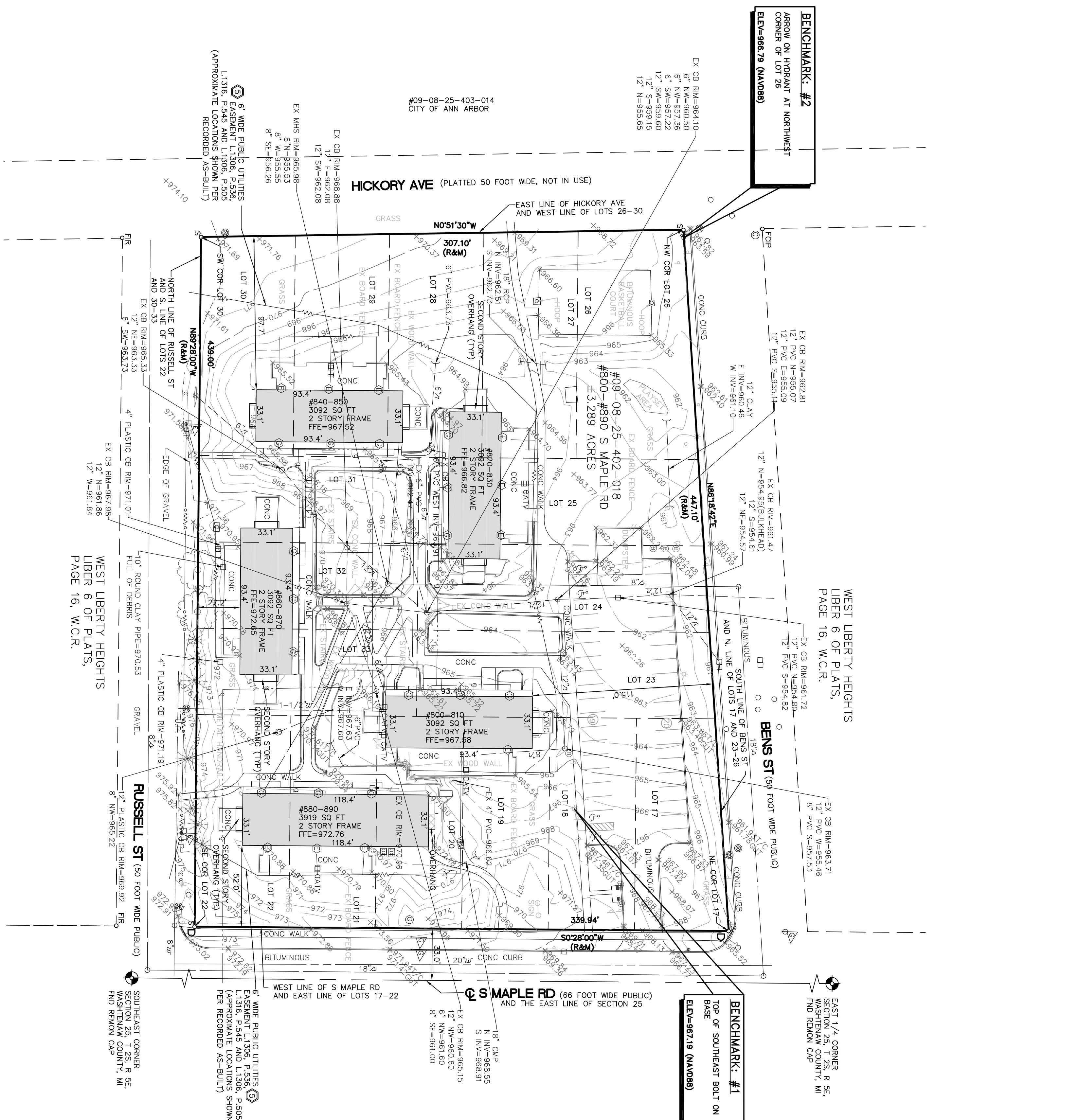
1. BASIS OF BEARING IS S00°28'00"W ALONG THE EAST LINE OF SECTION 25, PER THE PLAT OF "WEST LIBERTY HEIGHTS" PER ABSOLUTE TITLE, INC., FILE NO.: 73072, EFFECTIVE DATE: DECEMBER 3, 2012.
2. WATER MAIN, STORM SEWER, SANITARY SEWER AND UNDERGROUND UTILITY LINES HAVE BEEN MAPPED USING FIELD OBSERVATIONS AND RECORDED DOCUMENTS PROVIDED BY THE CLIENT. NO GUARANTEE CAN BE MADE TO THE COMPLETENESS, EXACTNESS OR CORRECTNESS OF THESE LOCATIONS.
3. FLOOD ZONE DESIGNATION: SUBJECT PARCEL IS LOCATED IN FLOOD PLAIN ZONE X, AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN, PER MAP NUMBER 26161G, PANEL 0244E OF THE FEDERAL FLOOD INSURANCE RATE MAPS, WITH AN EFFECTIVE DATE OF APRIL 3, 2012.
4. ZONING—SUBJECT PARCEL IS ZONED R-1C (SINGLE-FAMILY DWELLING DISTRICT)

MINIMUM LOT AREA PER DWELLING UNIT (SQ FT)	7200	MAXIMUM HEIGHT (FT)	30
REQUIRED SETBACK (FT)—			
MINIMUM FRONT	25	MINIMUM SIDE	5
MINIMUM REAR	10	MINIMUM REAR	30
MINIMUM GROSS LOT SIZE—			
AREA (SQ. FT.)	7200	WIDTH (FT.)	60

5. THERE WAS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS AT THE DATE OF THE FIELD WORK.
6. THERE WAS NO OBSERVED EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL AT THE DATE OF THE FIELD WORK.
7. THERE WAS NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS AT THE DATE OF THE FIELD WORK.
8. THERE WAS NO OBSERVED IMPROVEMENTS WITHIN ANY OFFSITE EASEMENTS IDENTIFIED IN PROVIDED TITLE COMMITMENT BENEFITING THE SURVEYED PROPERTY AT THE DATE OF THE FIELD WORK.
9. NO APPARENT WETLANDS ARE LOCATED ON THE SUBJECT PROPERTY ACCORDING TO THE U.S. FISH AND WILDLIFE SERVICE NATIONAL WETLANDS INVENTORY MAPPER.
10. EXISTING PARKING—
 - 35 REGULAR
 - ± 4 HANDICAP
 - 39 TOTAL SPACES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND HAVE NOT BEEN VERIFIED BY FIELD OBSERVATIONS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ANY DAMAGE TO SUCH UTILITIES WHICH MAY OCCUR AS A RESULT OF THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

ALTA/ACSM LAND TITLE SURVEY

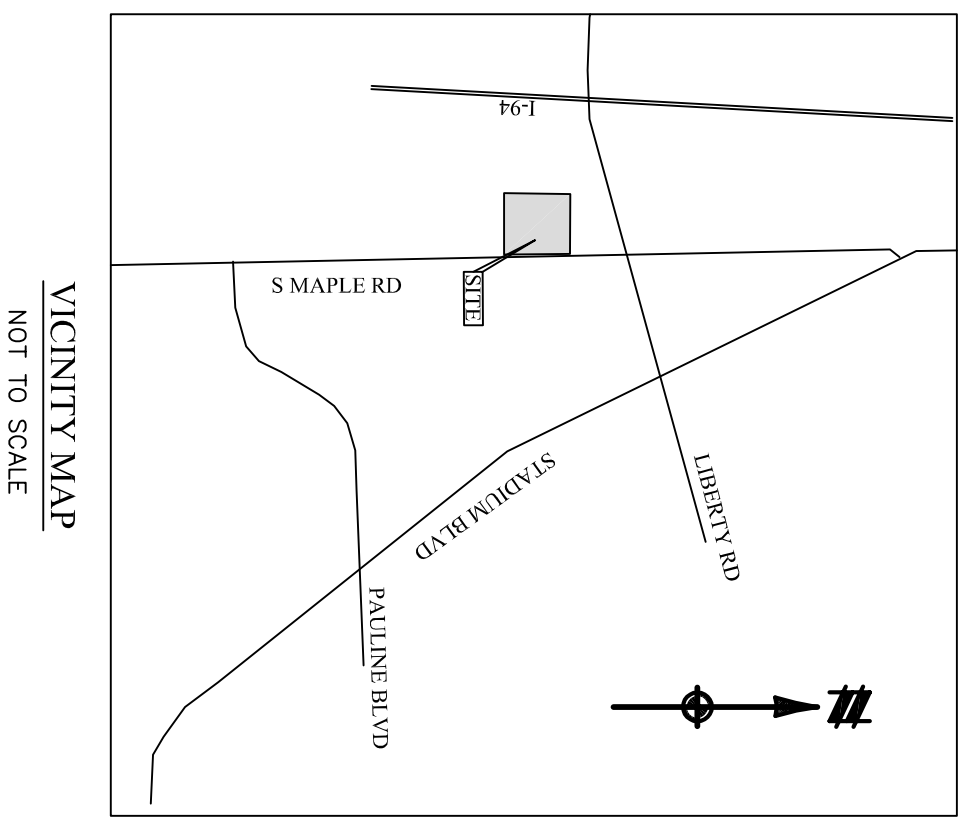


BENCHMARK: #2
 IRON ON HIGHWAY AT NORTHWEST CORNER OF LOT 28
 ELEV=966.79 (MAD98)

BENCHMARK: #1
 TOP OF SOUTHEAST BOLT ON LIGHT POLE
 ELEV=967.19 (MAD98)

WEST LIBERTY HEIGHTS LIBER 6 OF PLATS, PAGE 16, W.C.R.

EAST 1/4 CORNER SECTION 25, T. 25, R. 5E, WASHTEANAW COUNTY, MI FND REMON CAP



SCHEDULE "A" LEGAL DESCRIPTION (PER ABSOLUTE TITLE, INC., FILE NO.: 73072, EFFECTIVE DATE: DECEMBER 3, 2012)

The land referred to in this Search is situated in the City of Ann Arbor, Washtenaw County, Michigan, and is described as follows:

Lots 17 through 31, West Liberty Heights, as recorded in Liber 6 of Plats, Page 16, Washtenaw County Records.

800-890 South Maple Road

SCHEDULE "B" SECTION II EXCEPTIONS (PER ABSOLUTE TITLE, INC., FILE NO.: 73072, EFFECTIVE DATE: DECEMBER 3, 2012)

1. Easement Grant and Declaration of Restrictions in favor of The Detroit Edison Company and Michigan Bell Telephone Company, as recorded in Liber 1306, Page 536, and re-recorded in Liber 1316, Page 545, Washtenaw County Records, and Agreement pertaining thereto, as recorded in Liber 1306, Page 503, Washtenaw County Records (AFTER'S SUBJECT PARCEL AS SHOWN HEREON)
2. Building and use restrictions contained in instrument recorded in Liber 293, Page 199, Washtenaw County Records, which are not in the chain of title and may constitute a general plan of development, but omitting any such covenant or restriction based on race, color, religion, sex, handicap, familial status or national origin (DOES NOT AFFECT SUBJECT PARCEL)
3. Easement Grant and Declaration of Restrictions in favor of The Detroit Edison Company and Michigan Bell Telephone Company, as recorded in Liber 1306, Page 536, and re-recorded in Liber 1316, Page 545, Washtenaw County Records, and Agreement pertaining thereto, as recorded in Liber 1306, Page 503, Washtenaw County Records (AFTER'S SUBJECT PARCEL AS SHOWN HEREON)

CERTIFICATE

The undersigned hereby certifies to:

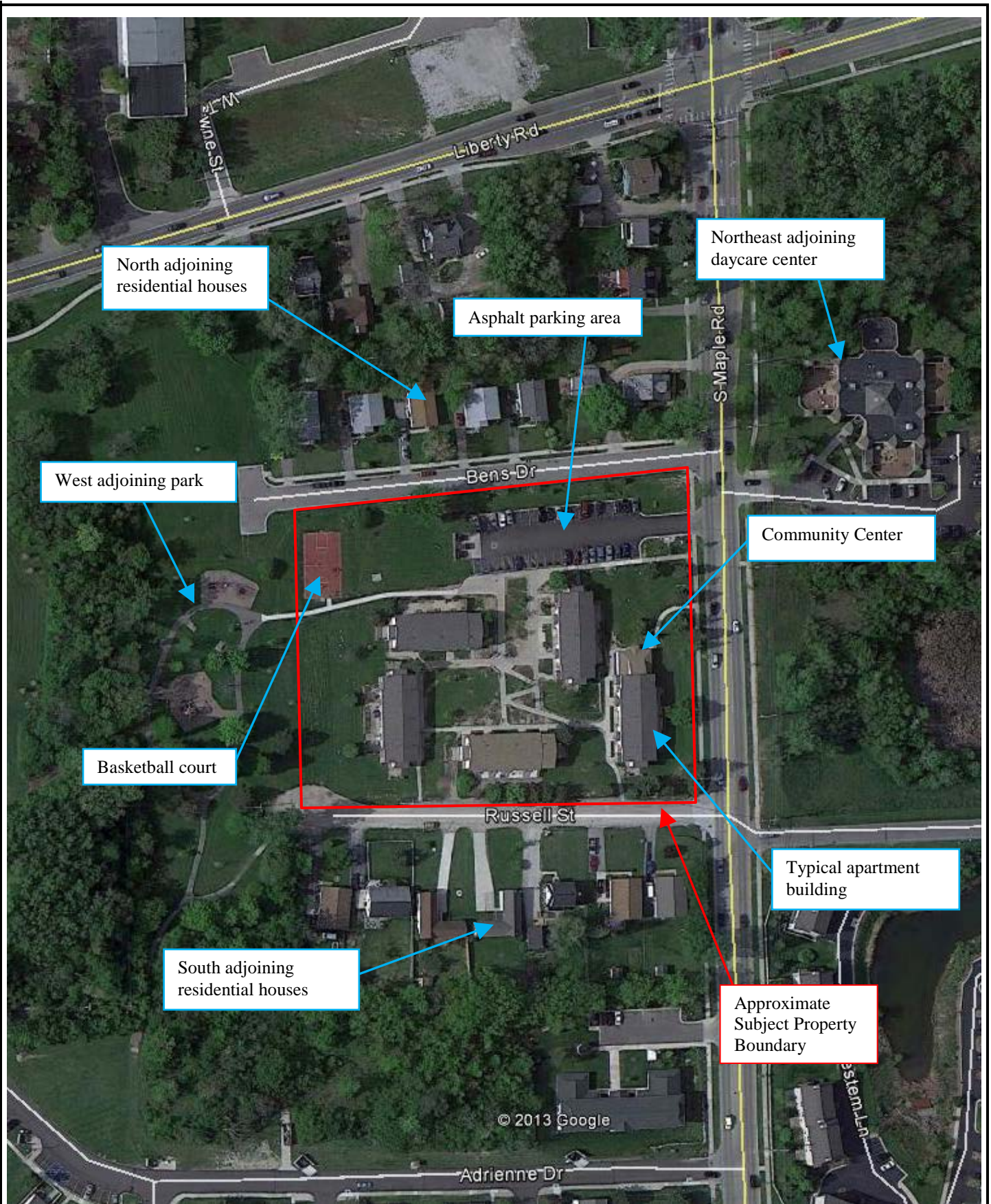
- 1.) ABSOLUTE TITLE, INC.
- 2.) CITY OF ANN ARBOR HOUSING COMMISSION

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2011 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA and NSPS and includes Items 1, 2, 3, 4, 6(b), 7(a)(b), 8, 9, 10(a), 11(b), 13, 16, 17, 18, 19 and 20 of Table A thereof.

The field work was completed on April 12, 2013.

ATWELL
 P.M. L. DROULLARD
 Registered Professional Surveyor No. 46723
 Two Towne Square, Suite 700
 Southfield, Michigan 48076
 248.447.2000

<p>REVISIONS</p> <table border="1"> <tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	NO.	DATE	DESCRIPTION							<p>NORSTAR</p> <p>ALTA/ACSM LAND TITLE AND TOPOGRAPHIC SURVEY OF A 3.289 ACRE PARCEL OF LAND, ALSO KNOWN AS #800-#890 S MAPLE RD, LOCATED IN</p>	<p>SECTION 25</p> <p>TOWN 2 SOUTH, RANGE 5 EAST</p> <p>CITY OF ANN ARBOR</p> <p>WASHTEANAW COUNTY, MICHIGAN</p>	<p>ATWELL</p> <p>866.850.4200 www.atwell-group.com OFFICES IN NORTH AMERICA AND ASIA</p> <p>Land Development & Real Estate Power & Energy Telecommunications Infrastructure & Transportation Environmental & Solid Waste Water & Natural Resources</p>
	NO.	DATE	DESCRIPTION									
<p>DATE: MAY 17, 2013</p> <p>SCALE: 1" = 40 FEET</p> <p>BOOK: 415</p> <p>P.M. L. DROULLARD</p> <p>CD FILE: 13000211-01E-AS-01</p> <p>JOB: 13000211</p> <p>FILE CODE: AS-01</p> <p>SHEET NO. 01</p>												



North adjoining residential houses

Northeast adjoining daycare center

Asphalt parking area

West adjoining park

Community Center

Basketball court

Typical apartment building

South adjoining residential houses

Approximate Subject Property Boundary

Figure : 3 - Site Features Diagram
 South Maple Meadows
 800-890 S. Maple Road, Ann Arbor, Michigan

SECTION 10.3


Site Photographs



Photograph 1: South Maple Meadows, view facing south along South Maple Road.



Photograph 2: Typical apartment building observed on the Subject Property.

 <p>Environmental Resources Group 28003 Center Oaks Court • Suite 106 • Wixom, MI • 48393 Phone: 248-773-7986 • Fax: 248-924-3108</p>	<p>Phase I ESA South Maple Meadows 800-890 S. Maple Rd., Ann Arbor, MI</p>	<p>Project: 1129.001 Photos taken: 05-30-2013 Taken by: P. Dwoinen</p>	<p>Site Photographs (Page 1 of 10)</p>
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Photograph 3: Typical rear patios with fences observed on the Subject Property.



Photograph 4: Central courtyard observed on the Subject Property.



Photograph 5: Community Center observed on the Subject Property.



Photograph 6: Basketball court observed in the northwest corner of the Subject Property, view facing north northwest.



Photograph 7: Typical transformer observed on the Subject Property.



Photograph 8: Asphalt paved parking lots and solid waste dumpsters with enclosure observed on the north side of the Subject Property, view facing west.



Photograph 9: Typical living area observed in the first floor of the apartments.



Photograph 10: Typical living area observed in the basement of the apartments.



Photograph 11: Typical kitchen observed in the first floor of the apartments.



Photograph 12: Typical washing machine and dryer observed in the basement of the apartments.



Photograph 13: Typical utility sink and water heater observed in the basement of the apartments.



Photograph 14: Typical furnace observed in the basement of the apartments.



Photograph 15: North adjoining residential houses (beyond parking lot), view facing south north.



Photograph 16: East adjoining daycare center, view facing northeast.



Photograph 17: South adjoining residential houses, view facing south southeast.



Photograph 18: South adjoining residential houses, view facing south.



Photograph 19: West adjoining park, view facing west.



Photograph 20: West adjoining park, view facing west.

SECTION 10.4

**Aerial Photographs
Historical Sanborn Maps
City Directory Report**



Maple Meadows

800 S. Maple Road
Ann Arbor, MI 48103

Inquiry Number: 3594449.5
May 06, 2013

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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

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Date EDR Searched Historical Sources:

Aerial Photography May 06, 2013

Target Property:800 S. Maple Road
Ann Arbor, MI 48103

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1937	Aerial Photograph. Scale: 1"=500'	Flight Year: 1937	AAA
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	AAA
1949	Aerial Photograph. Scale: 1"=500'	Flight Year: 1949	Detroit Edison
1955	Aerial Photograph. Scale: 1"=500'	Flight Year: 1955	CSS
1961	Aerial Photograph. Scale: 1"=500'	Flight Year: 1961	SEMCOG
1969	Aerial Photograph. Scale: 1"=500'	Flight Year: 1969	ASCS
1978	Aerial Photograph. Scale: 1"=600'	Flight Year: 1978	ASCS
1985	Aerial Photograph. Scale: 1"=500'	Flight Year: 1985	SEMCOG
1992	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1992	EDR
1992	Aerial Photograph. Scale: 1"=600'	Flight Year: 1992	NAPP
2000	Aerial Photograph. Scale: 1"=500'	Flight Year: 2000	SEMCOG
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	EDR



Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 1937

| = 500'



100'
in. arbor top



Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 1940

| = 500'





Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 1949

| = 500'





Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 1955

| = 500'





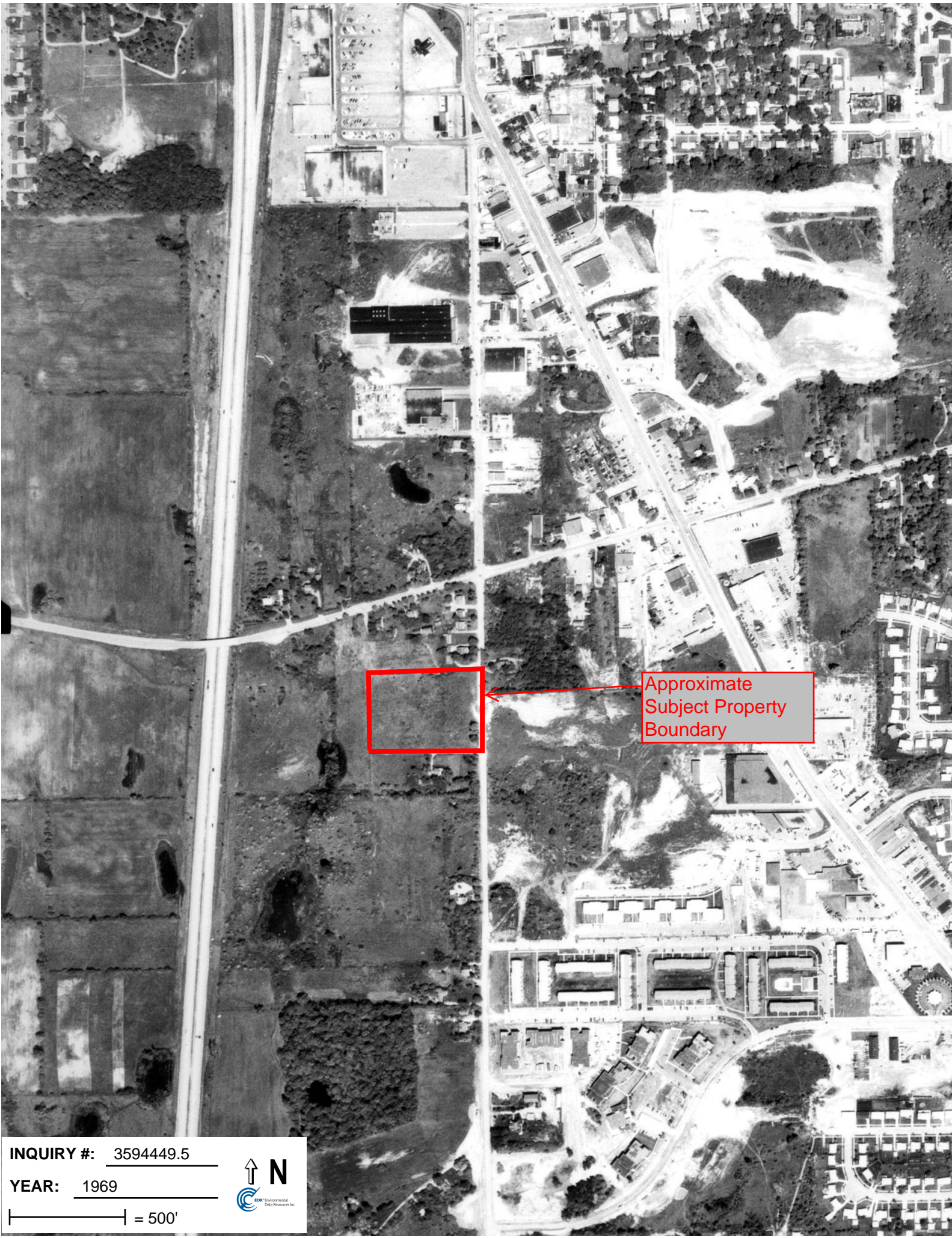
Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 1961

| = 500'





Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 1969

| = 500'





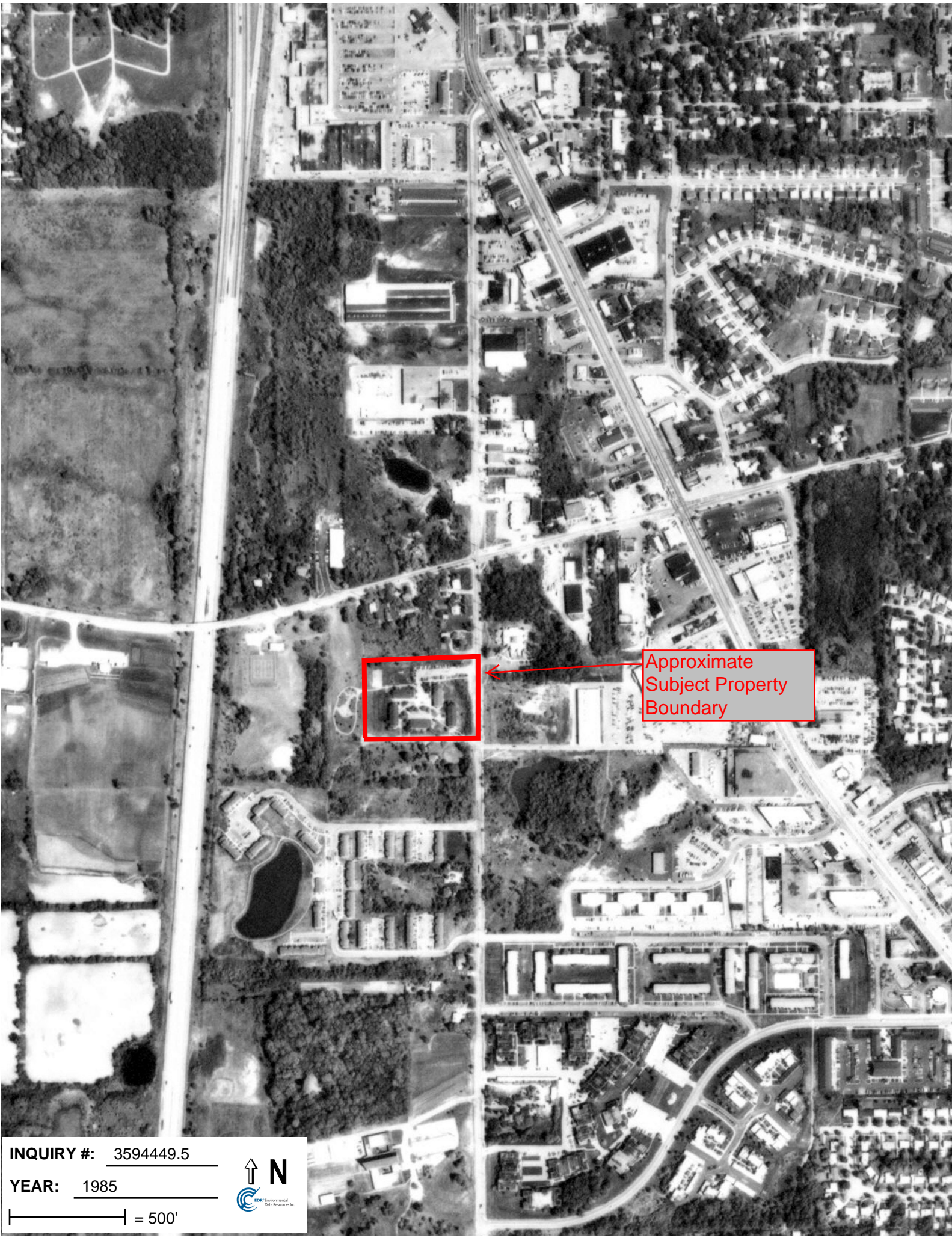
Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 1978

| = 600'





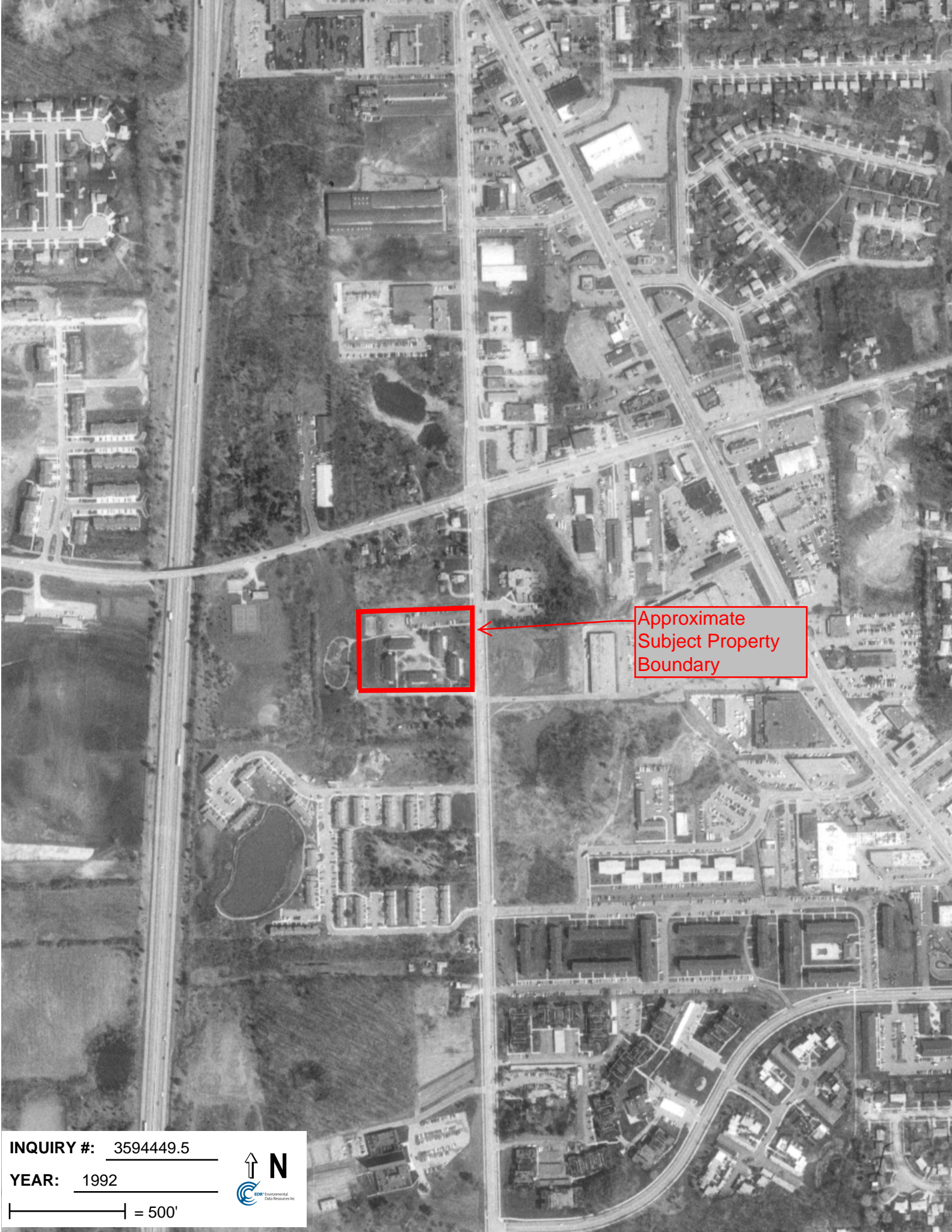
Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 1985

| = 500'





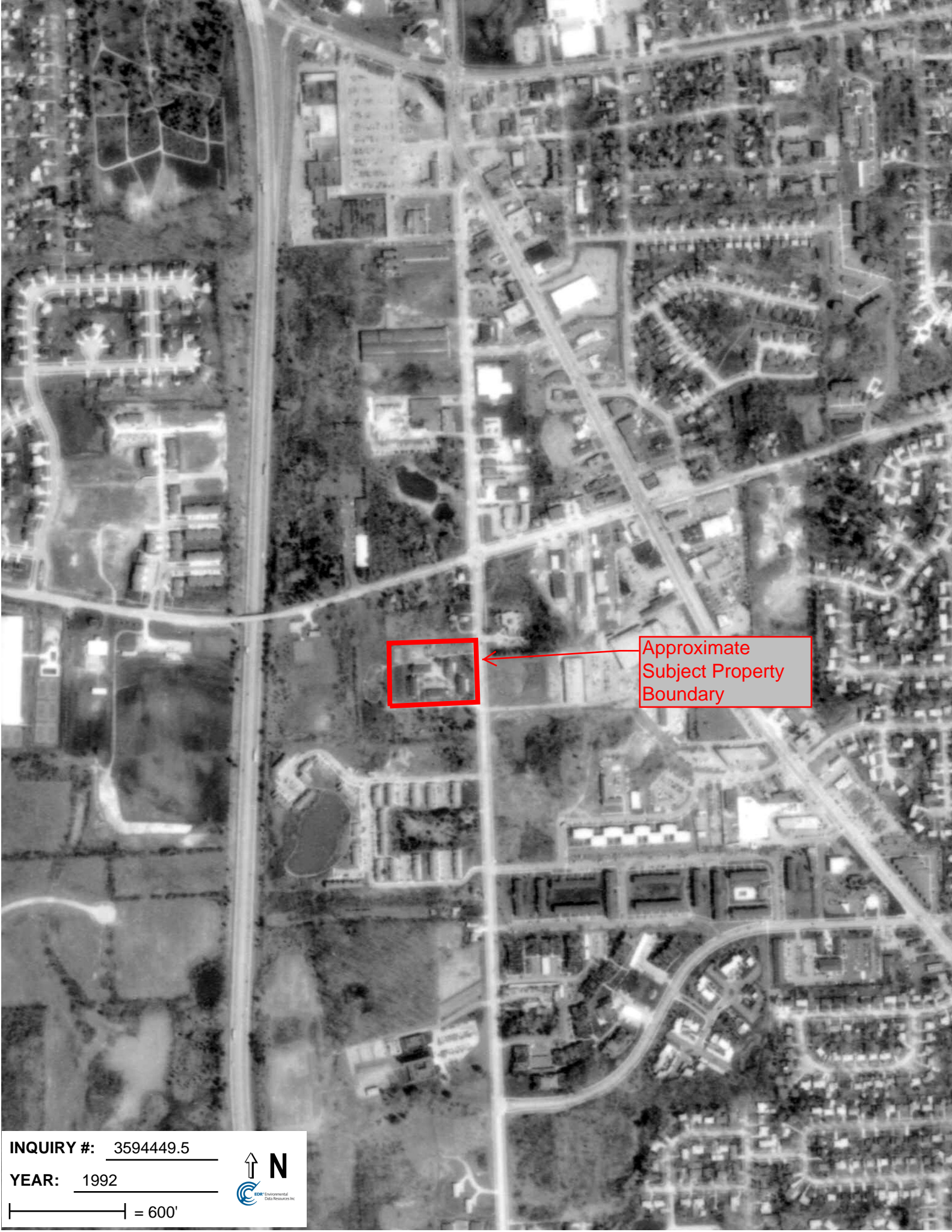
Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 1992

| = 500'





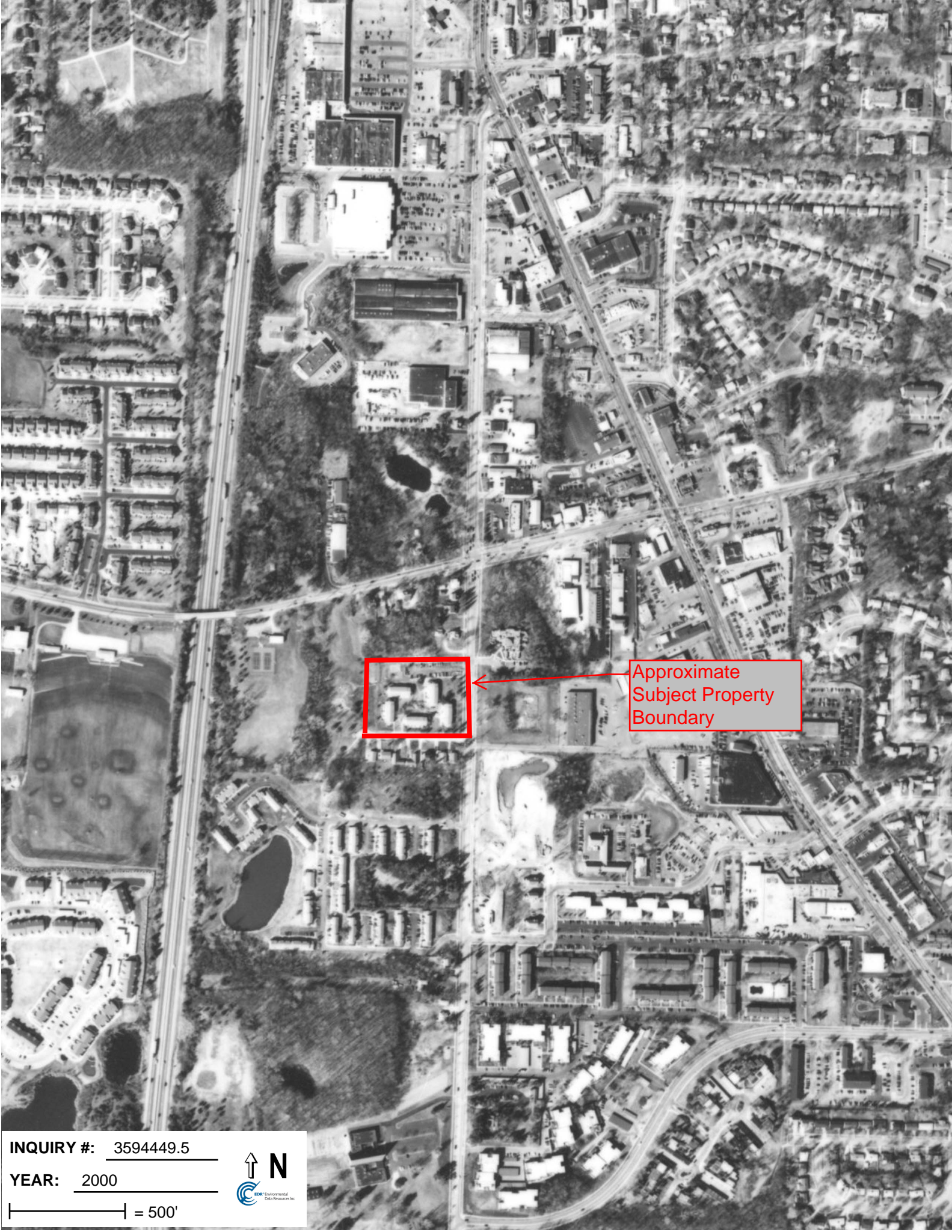
Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 1992

| = 600'





Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 2000

| = 500'





Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 2005

| = 500'





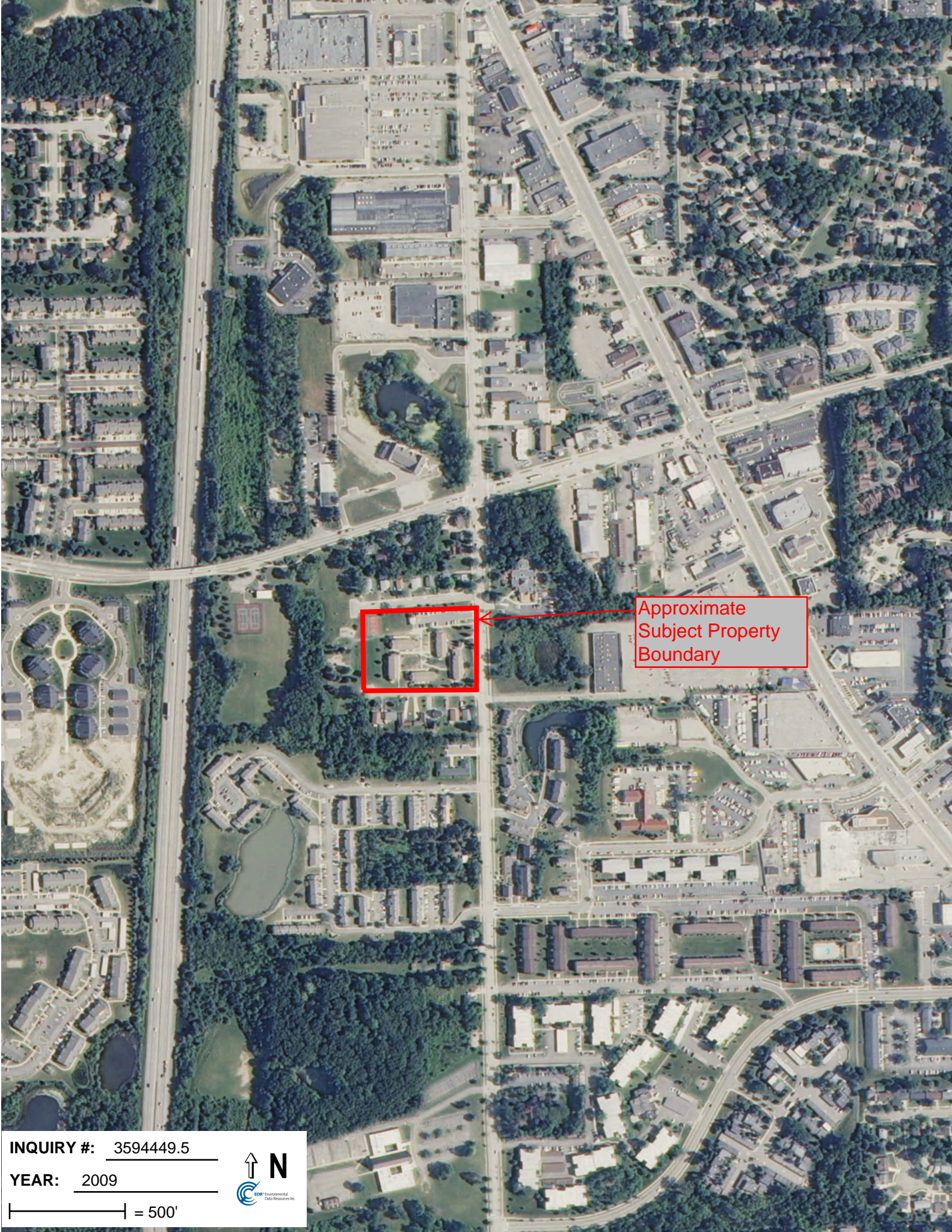
Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 2006

— = 500'





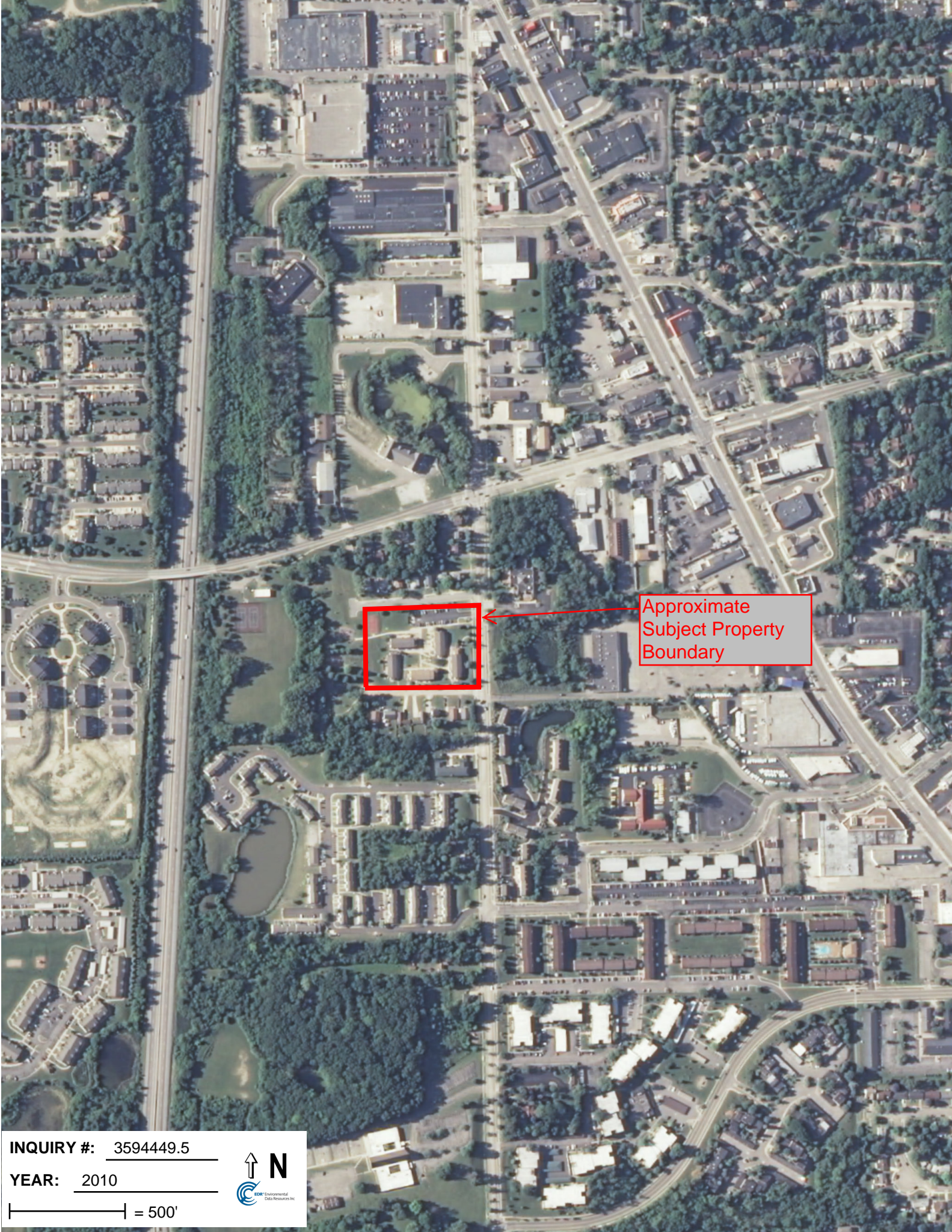
Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 2009

— = 500'





Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 2010

| = 500'





Approximate
Subject Property
Boundary

INQUIRY #: 3594449.5

YEAR: 2012

— = 500'





Maple Meadows

800 S. Maple Road
Ann Arbor, MI 48103

Inquiry Number: 3594449.3
May 01, 2013

Certified Sanborn® Map Report

Certified Sanborn® Map Report

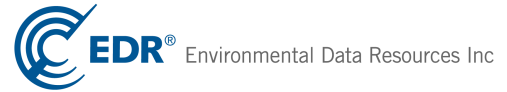
5/01/13

Site Name:

Maple Meadows
800 S. Maple Road
Ann Arbor, MI 48103

Client Name:

Environmental Resources
PO Box 1172
Union Lake, MI 48387



EDR Inquiry # 3594449.3

Contact: Penny M. Dwoinen

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

Certified Sanborn Results:

Site Name: Maple Meadows
Address: 800 S. Maple Road
City, State, Zip: Ann Arbor, MI 48103
Cross Street:
P.O. # 1129.001
Project: 1129.001
Certification # E533-4626-8A57



Sanborn® Library search results
Certification # E533-4626-8A57

UNMAPPED PROPERTY

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

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

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

The Sanborn Library LLC Since 1866™

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Maple Meadows

800 S. Maple Road
Ann Arbor, MI 48103

Inquiry Number: 3594449.6
May 07, 2013

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

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

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2012	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1996	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1993	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1988	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1984	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1979	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1974	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1969	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1964	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1960	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1955	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1949	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1945	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1939	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1934	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

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FINDINGS

TARGET PROPERTY STREET

800 S. Maple Road
Ann Arbor, MI 48103

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

South Maple Road

2012	pg A1	Polk's City Directory
2012	pg A2	Polk's City Directory
2007	pg A3	Polk's City Directory
2003	pg A4	Polk's City Directory
2003	pg A5	Polk's City Directory
2000	pg A6	Polk's City Directory
1996	pg A7	Polk's City Directory
1993	pg A8	Polk's City Directory
1993	pg A9	Polk's City Directory
1988	pg A10	Polk's City Directory
1984	pg A11	Polk's City Directory
1979	pg A12	Polk's City Directory
1974	pg A13	Polk's City Directory
1969	pg A14	Polk's City Directory
1964	pg A15	Polk's City Directory
1964	pg A16	Polk's City Directory
1960	pg A17	Polk's City Directory
1960	pg A18	Polk's City Directory
1955	pg A19	Polk's City Directory
1949	pg A20	Polk's City Directory
1945	pg A21	Polk's City Directory
1939	pg A22	Polk's City Directory

South Maple Road(aka. Arbor Glenn Drive)

1934	pg A23	Polk's City Directory
------	--------	-----------------------

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

South Maple Road 2012

532 ANN ARBOR CITY RETIREMENT
 SYST government offices @
734-994-4590

570 Dufek William F & Sheri R ✓ [20] ▲
 (1945)
 STATE FARM INSURANCE
 insurance ✓ @734-665-7040

573 FOCUS PHOTO photo finishing-
 custom ✓ @734-663-0800

KEN LUSSENDEN CONTRACTING
 painters ✓ @734-995-0715
 Lussenden Kendrick V ✓ [12] ▲
 (1939)
 MODERN CLOSETS closets &
 closet accessories ✓ @
734-214-9475

585 ROBERTSON'S STORM & SCREEN
 windows ✓ @734-663-4916

601 NALC labor org ✓ @ ..734-747-9172

605 WEST GATE TAILORS tailors ✓
734-761-2228

611 SUPERIOR COLLISION INC auto
 body- rpr & painting ✓ @
734-994-8885

635 Weidmayer Milton A ✓ @ [10]
 WEIDMAYER SCHNEIDER RAHAM
 accountants ✓734-662-2522

691 MC GUIRE'S BARBER SHOP
 barbers ✓ @734-998-1038

693 THORTON'S CONEY ISLAND
 restaurants ✓ @734-994-1299

695 BUSTER WEST party supl ✓ @
734-761-9814

+ W LIBERTY ST INTERSECTS
• ZIP CODE 48103 CAR-RT C004

730 Bertellini Giorgio [11] ▲ (1927)

744 Sim Hoon G ✓ @ [3] ▲ (1956)
734-761-5022
 Sim Hannah734-761-5022

770 Menzo Daniel J ✓ [8]
 Wolber David L [3]

775 [2] Belcher Debbie ✓
 DISCOVERY CENTER child care
 serv ✓ @734-663-7496

+ BENS ST BEGINS

800 Mitchell Lemar ✓ [2]
 Washington B ✓ [7]734-222-0803

802 [2] Patterson Tania Y ✓ @

804 Dillworth Rebecca A @ [4]

806 McKinney Maria A ✓ [29]
734-913-8635

808 Hunt Daniel E [4]

810 Bennett Elaine [12]

820 Al-Nakib Menjid H ✓ [4]
734-585-5370

822 [2] Jones Irish @
 [2] Macdonald S ✓734-369-2289

824 Wallace Darlene E ✓ @ [2]
 Wallace Treasure E

826 No Current Listing

828 Cobb Samantha V ✓ @ [8]
 Poindexter Steven ✓ [6]
734-239-6118

830 Howard Tammye L ✓ [16]
 Jones Penny S ✓ [11]

840 Frazier Jessica D @ [2]

842 Majors Josette M ✓ @ [11] ▲ (1971)
734-214-5874

the Terms of Use appearing

South Maple Road 2012

NEW NEIGHBOR

S MAPLE RD Cont'd
844 No Current Listing
846 Chandler Christine D ✓ [17]
.....734-302-3063
④ Cooper Kayla ✓
848 Al-Awadhi Melissa S @ [6]
850 Ervin Rosalie ✓ @ [11]
Ervin Geisela R
862 Daniel Arif A ✓ [12]734-369-4011
Herman Tina L ✓ [12]
.....734-665-1858
Herman Matthew L734-665-1858
864 Buckland Juliann ✓ @ [4]
Buckland Timothy M
④ Stein Robert L
866 Rashid Amal H ✓ [3] ..734-761-5288
868 Johnson Shirley A [4]
870 Kirk Arlene E ✓ [7]
Kirk Tyreek D
880 SOUTH MAPLE COMMUNITY CTR
community org ✓ @ ..734-747-7009
882 Taylor Felicia L ✓ [11]
884 Kelsey Charmelle E ✓ [6]
886 Funderburg Anthony E [5]
Kromah Hassan A & Jenneh K @ [4]
888 No Current Listing
890 Greer Felton ✓ [5]734-239-6390

+ RUSSELL ST BEGINS
900 Brooksgregory Tonya ✓ [5]
.....734-994-9707
Johnson Ken L ✓ [5] ..734-761-1722
1 Freeman Charles [6]
2 Hobson David L [5]
3 Young Larry A Jr [8]
4 Pinson Edna M [11]
5 Gregory Melvin D & Mary R @ [5]
6 Mitchell Titus [5]
10 Dugger Dale M ✓ @ [11]
.....734-369-4933

+ ADRIENNE DR INTERSECTS
+ BLUESTEM LN INTERSECTS
1042 No Current Listing
+ ADRIENNE DR INTERSECTS
+ PENNSYLVANIA AVE INTERSECTS
1110 Gable Harry B Jr ✓ [28] ▲ (1971)
.....734-665-1484
1132 Hansen Erling J ✓ [46] ▲ (1971)
.....734-665-5672
Hansen Erling J734-665-5672

+ ST CHARLES DR INTERSECTS

South Maple Road 2007

683 KAPPA KONEY restaurants
734-994-9890
 THORTON'S CONEY ISLAND
 restaurants734-994-1299
 695 BUSTER'S WEST party suppl
734-761-9814

+ W LIBERTY ST INTERSECTS
 730 Bertellini Giorgio [6] ●
734-327-0175
 744 Yarger Randy J [10] ●
 770 ● Hubbard Amanda
 Hubbard Wa-Louisa A
 775 DISCOVERY CENTER schools
734-663-7496

+ BENS ST BEGINS
 800 Washington B [2]734-222-0803
 802 No Current Listing
 804 Campbell Armand & Michele D [11]
 806 McKinney Maria [2]734-913-8635
 Veal Sherry L [7]
 808 Martin Monica A [7]
 810 Mitchell Anika W [6]734-913-5329
 Mitchell Ayesha734-913-5329
 820 Alzubi Ghada [3]734-222-9787
 Ouda Saleh M [4]
 822 ● Hendrickson Willard G
734-662-6361
 Hendrickson Margie ..734-662-6361
 ● Summerfield Arthur J
734-369-3957
 824 Almaamar Amer M [2]
734-929-0700
 826 McGill Cheryl [19]734-369-4210
 McGill Kathy D734-369-4210
 828 ● Poindexter Steven ..734-239-6118
 830 No Current Listing
 840 Grimes Kelly Y [5]
 842 Majors Josette M [4]734-213-7753
 844 Waddell Terri [3]734-994-3488
 Waddell Charmaine ..734-994-3488
 846 Chandler Christine D [12]
734-994-4815
 Ellison Jerome J [8]
 Ellison Treha
 848 ● Martin Lateal
 850 Arocha Rose [6]734-369-2272
 860 ● Alderman Toyia J
 862 Daniel Arif A [7]734-369-4011
 Herman Tina L [7]734-665-1858
 Herman Matthew L734-665-1858
 864 Saxton Rose L [10]
 Simpson Lamen E [5] ..734-239-6426
 866 No Current Listing
 868 ● Lindsey Jerry C
 870 Kirk Arlene E [3]734-369-3011
 Kirk Chelsey734-369-3011
 880 SOUTH MAPLE COMMUNITY CTR
 community org734-747-7009
 882 Chambers Brian D [3]
 884 No Current Listing
 886 ● Gordan Deborah734-222-4638
 Hardesty Amy A [4]734-369-2067
 888 Rivers Janice R [3]734-369-4305
 890 Cuykendall Rhonda S [3]
 ● Greer Felton734-239-6390

+ RUSSELL ST BEGINS
 900 ● Johnson Ken734-369-8845

+ ADRIENNE DR INTERSECTS
+ BLUESTEM LN INTERSECTS
 1042 Singer Joel D [47] ● ..734-663-6835

+ ADRIENNE DR INTERSECTS
+ PENNSYLVANIA AVE INTERSECTS
 1110 Gable Harry B Jr [23] ●
734-665-1484
 1132 Hansen Erling J [42] ●
734-665-5672

+ ST CHARLES DR INTERSECTS
 1146 Moessner Victoria J [5] ●
734-369-8869
 1215 101 Poissant Raymond L & Helen R
 [14] ●734-995-0523
 201 Clement Dolores T [19] ●
 202 Jansen Terry A [13] ●
734-222-0649
 301 Friedman Mark S [21] ●
734-769-0553
 302 Dursi Debra L [3] ●
 303 King Christina L [7]
 303 King Chrissa

of Polk City Directories. It is leased fo
of this directory. This information ch

South Maple Road 2003

Perry Charlotte B [10]▲

+ **WINEWOOD AVE INTERSECTS**

+ **WINEWOOD AVE CONTINUES**

505 EBERBACH CORP laboratory equip/supl-mfrs
734-665-8877

570 Dufek William F [10]▲734-665-7040
 Dufek Don734-665-7040
 STATE FARM INSURANCE insurance
734-665-7040

571 Inwood Jon D [7]▲
 Inwood Janice M

573 KEN LUSSENDEN CONTRACTING painters
734-995-0715
 ☉ Lussenden Ken734-995-9247

585 Reynolds Joann [13]
 ROBERTSON'S STORM & SCREEN screens-
 door & window734-663-4916

601 NATIONAL ASSN-LETTER CARRIERS labor
 org734-747-9172

605 Grubaugh Gaylord E Jr [9]734-662-0644
 MACKRAFT SIGNS signs734-662-0644

607 DRACO INC furnaces-industrial 734-665-9509

611 Guthrie Terry J [5]▲
 SUPERIOR COLLISION INC auto body-rpr &
 painting734-994-8885

635 Raham Roger M [11]▲734-662-2522
 ☉ Schneider Steven L734-662-2522
 WEIDMAYER SCHNEIDER RAHAM
 accountants734-662-2522

691 JOE'S BARBER SHOP barbers 734-663-7032

695 BUSTER'S WEST party supl734-761-9814

+ **W LIBERTY ST INTERSECTS**

730 Cruse David A [3]

s on-line and other Polk Directories @ www.MrP

South Maple Road 2003

S MAPLE RD Cont'd	
Mills Megan R [5]	
744 Yarger Randy J [4] ▲	734-996-4093
770 Jedele Paul A [20] ▲	734-668-8094
Jedele John E	734-668-8094
775 DISCOVERY CENTER schools	734-663-7496
+ BENS ST BEGINS	
800 Hunley Kimberly S [4]	734-369-2077
802 Parker Brenda J [6]	
Parker Victor G	
804 Campbell Michele D & Armand [6]	734-369-2150
806 Burke Gretchen A [6]	734-929-9818
Burke Christina	734-929-9818
808 Not Verified	
810 Mitchell Anika W [4]	734-222-4050
820 Not Verified	
822 Alvarez Robin S [5]	734-213-5533
824 Not Verified	
826 [6] Tullis Jerome	
830 Howard Tammye L [6]	
Howard Nikia M	
840 Gibbons Lisa A [7]	734-994-6025
Gibbons Earl D	734-994-6025
842 Fortson Lula [14]	734-995-8681
Fortson Yolanda Y	734-995-8681
844 Not Verified	
846 Lison J [3]	734-214-1560
848 Not Verified	
850 [6] Arocha Rose	734-369-2272
860 [6] McKinney Marty	734-769-9171
862 [6] Hamilton Marshall	734-929-0603
Hamilton Shawn L	734-929-0603
864 Saxton Rose L [6]	
866 Not Verified	
868 [6] Hackney Elise Y	
Hackney Antione D	
870 Not Verified	
880 SOUTH MAPLE COMMUNITY CTR	
community org	734-747-7009
882 Hambright Betty A [20]	734-761-2741
Hambright Veronia	734-761-2741
884 Smith Lashawnda M [2]	
886 Not Verified	
888 [6] Kendrick Charlese	734-929-0883
890 Daniel Arif A [2]	734-369-4011
Daniel Delisia A	734-369-4011
+ RUSSELL ST BEGINS	
+ ADRIENNE DR INTERSECTS	
+ ADRIENNE DR CONTINUES	
1042 Not Verified	
1110 Gable Harry B Jr [18] ▲	734-665-1484
Gable West M	734-665-1484
+ ADRIENNE DR INTERSECTS	
+ PENNSYLVANIA AVE INTERSECTS	
1132 Hansen Erling J [20] ▲	734-665-5672
1146 Avery Robert H [18] ▲	734-668-0417
+ ST CHARLES DR ENDS	
1215 101 Poissant Raymond L & Helen R [6] ▲	734-995-0523
102 Zizmont Ruth P [10]	
103 [6] Alexander Joshua A	
103 Haddad Alexandra M [6]	734-623-9593
201 [6] Clement Kenneth J ▲	
201 Clement Dolores T	
202 [6] Jansen Terry A ▲	734-222-0649
203 Labastida Daniel [3]	734-622-0934
204 Lehmann Frederick N [4] ▲	
	734-913-4330
301 Friedman Mark S [16] ▲	734-769-0553
302 Kennedy Patricia E [20] ▲	734-761-8575
303 Not Verified	
304 [6] Lee Dong Y	734-763-7059
1225 [6] Huddleston Bryan K & Kristen	
105 [6] Griswold Brett A & Vanessa B	734-302-7171
106 [6] Rieke Stephanie S ▲	
107 [6] Koss Theresa M	
205 Wu Andrew D [3] ▲	734-213-2903
206 Hansen Eric M [6] ▲	
206 Hansen Sarah E	
207 Dise Susan E [16] ▲	734-761-9229
208 Cox James E [20] ▲	734-761-1856
305 Moyer-Diener David M [2] ▲	
	734-665-4384

South Maple Road 1996

HOUSEHOLDS 8	
S MAPLE RD (A)	48103
300 MOUNTAIN JACK'S RESTAURANT	-3833 C019 665-1133
375 FOX VILLAGE THEATRE.....	-3832 C019 994-8080
390 LOYAL ORDER OF MOOSE	-3833 C019 662-1702
401 DOMINO'S PIZZA.	-3834 C019 769-4555
415 TOP OF THE LAMP.....	-3834 C019 769-7019
490 CAROLINA FURNITURE FACTORY	-3835 C019 662-8018
CLIMATE CONTROL SELF STORAGE	-3835 C019 662-5262
MAPLE RIDGE ANTIQUES	-3835 C019 213-1577
WESTLAND FURNITURE	-3835 C019 662-5176
505 EBERBACH CORP	-3836 C019 665-8877
570 STATE FARM INSURANCE	-3837 C019 665-7040
Dufek William F.....	-3837 C019 665-7040
571 ANN ARBOR CAR CARE AUTO CTR	-3836 C019 994-1344
585 ROBERTSON'S STORM & SCREEN	-3836 C019 663-4916
601 NATIONAL ASSN-LETTER CARRIERS.....	-3838 C019 747-9172
605 MACKRAFT SIGNS	-3838 C019 662-0644
Grubaugh Gaylord.	-3838 C019 662-0644
607 DRACO INC.....	-3838 C019 665-9509
611 SUPERIOR COLLISION INC	-3838 C019 994-8885
635 WEIDMAYER SCHNEIDER RAHAM	-3838 C019 662-2522
Raham Roger M ...	-3838 C019 662-2522
Schneider Steven L	-3838 C019 662-2522
691 JOE'S BARBER SHOP	-3838 C019 663-7032
695 LIBERTY COIN LAUNDRY	-3838 C019 741-8888
LIBERTY MARKET	-3838 C019 761-4772
730 Ingraham K	-4424 C037 994-6443
744 Hanson Craig	-4424 C037 995-1317
770 Jedele Paul A.....	-4424 C037 668-8094
775 DISCOVERY CENTER.....	-4423 C037 663-7496
842 Fortson Lula.....	-6532 C037 995-8681
848 Box Joseph E.....	-6533 C037 995-3795
860 Burke C.....	-6533 C037 663-9327
862 Scott K A	-6533 C037 741-0057
1042 Singer J D.....	-4430 C037 663-6835
1110 Gable Harry.....	-4432 C037 665-1484
1132 Hansen Erling J..	-4432 C037 665-5672
1146 Avery Bob H.....	-4432 C037 668-0417
Bernheim D.....	-4432 C037 668-8689
1215 RED LION CONTROLS	-4482 C037 747-9880
Balmer Joseph.....	-4482 C037 761-8136
Derose Chris.....	-4482 C037 332-1004
Derose Elizabeth ...	-4482 C037 213-6787
Friedman Mark S..	-4482 C037 769-0553
Huffman James M.	-4482 C037 741-1390
Kennedy Pat.....	-4482 C037 761-8575
Larson Ward.....	-4482 C037 665-2263
Lipphart E	-4482 C037 663-3617
Stull F E	-4482 C037 769-0147
Wilson C R.....	-4482 C037 769-6391
Zizmont R.....	-4482 C037 213-2497
1225 Collard Tony.....	-6517 C037 913-4303
Collard Wendy.....	-6517 C037 913-4303
Cox James.....	-6517 C037 761-1856

South Maple Road 1993

550 MICHIGAN BELL TELEPHONE CO DIST
bldg
561 Not Verified
570 Not Verified
571 ANN ARBOR CAR CARE reconditioning
shop 994-1344
573 ANN ARBOR ARTISANS design & make
furn 665-6636
585 ROBERTSON'S STORM & SCREEN
PRODUCTS storm doors & windows mgft
663-4916
601 NATURAL ASSOCIATION OF LETTER
CARRIERS (BR 434) 747-9172
603 Vacant
605 MACKRAFT SIGNS 662-0644
607 ANN ARBOR TOWING INC 994-3377
611 ACME PRINTING & REPRODUCTION
printers service 662-0030
635 ST JOHN RAHAM & WEIDMAYER
certified public accountants 662-2522
691 JOE'S BARBER SHOP 663-7032
693 SPECTRUM JEWELERS jewelers-retail-
wholesale 663-8141

South Maple Road 1993

	DELI DELIGHT SANDWICHES wholesale sandwiches 665-4860 695 LIBERTY MARKET gro ret 761-4772
	• W LIBERTY INTERSECTS
	730★Kryska Wm & Lynn 995-0693
	744★Lutz Christi ☉
	770 Jedele Paul A & Ruth E 9-+ ☉ 668-8094
	775 DISCOVERY CENTER THE day care 663-7496
	• BENS BEGINS
	800 Vacant
	802 Purcell Pryor 2 930-0648
	804 Not Verified
	806 Vacant
	808-840 Not Verified (8 Hses)
	842 Mc Gill Georgia 2 662-4668
	844★Mayberry Rhea 996-0128
3	846 Lewis Danielle 4
	848 Not Verified
	850 Jones Barbara 9-+
	860★Burke Christina 663-9327
	862 Pryor Purcell 2 995-8786
	864 Curry Beverly 9-+
	866 Vacant
	868-870 Not Verified (2 Hses)
	880 Judie Charlotte L 6
	882 Tackett Sandra L 6
	884 Not Verified
	886 Freeman Loretta 4 662-3314
	888 Not Verified
	890 Vacant
	• RUSSELL BEGINS
	• ADRIENNE DR BEGINS
	1042 Singer J Davjd 9-+ ☉ 663-6835
	1110 Gable Harry 2 665-1484
	1132 Hansen Erling J 9-+ ☉ 665-5672
	1146 Avery Robt H 4 668-0417
	1215 Apartments
	101 Lipphart Evelyn M 9-+ 663-3617
	102 Vander Kooy Jacob & Louisa J 5 ☉ 663-4945
	103-201 Not Verified (2 Apts)
	202 Stull Florence E 4 769-0147
	203 Wells Ed 4
	204 Not Verified
	301★Friedman Mark S 769-0553
	302 Not Verified
	303 Amstutz Danl E 2 662-2162
	304 Not Verified
1225	Apartments
	105 Robinson Debbie 7
	106 Not Verified
	107 Kothe B 2 662-3308
	205-206 Vacant (2 Apts)
	207 Dise S E 5 761-9229
	208 Cox James E 4 761-1856
	305-308 Not Verified (4 Apts)
1235	Apartments
	101-103 Not Verified (3 Apts)
	201 Fischer Mary 2
	202 Yates Richd H 2 769-5334
	203 Not Verified
	204 Vogt Jas L & Freida K 5 ☉ 668-8995
1	301 Berrich David P 2 ☉ 769-5222
	302 Not Verified
	304 Vacant
1241	ATWELL-HICKS INC surveyors & planners 994-4000
1245	Apartments
	105-106 Not Verified (2 Apts)
	107 Ziaebrahimi H 4
	205 Peters Neil T 2 ☉ 761-8763
	206 Wood Kathy L 2 ☉ 662-8349
	207 Abbott Bruce 7
	208★Beach D 741-4706
	305 Blake Benjie E 6
	306-307 Not Verified (2 Apts)
	308 Dee S 4
1255	Apartments
	101★Martin Margan E 996-4536
	102★Michels Jeff 761-6247
	103★Mortensen M 994-1584
	201 Martin Margt E 2 996-4536
	105 Not Verified
	201 Kelly Peggy 2
	202 Marshall Ruth E 4 ☉ 665-0302
	203 Ascher Kenneth 9-+ ☉ 662-4300
	203 Ascher Sam M 662-4300
	204 Not Verified
	301 Casella Michl 5 665-4855
	302 Not Verified
	303 Sager Douglas H 9-+ ☉ 665-9513
	304 Vacant
1265	Apartments
	105 Vermett Eliz 2 994-3394
	106 Wood Floyd R & Cleo L 9-+ 668-876
	107 Loukotka Ronald F 6 663-9285
	205 Warren Horace H & Clarice A 2 747-7771
	206 Reiser Lloyd M 8 663-2387
	207 Rhodes Mattie R 4 ☉ 662-9014
	305 Vacant
	306 Conn Susan 9-+
	307 Not Verified

South Maple Road 1988

S MAPLE RD--Contd

605 Mackraft Signs 662-0644
 607 Tom's Speed Shop 663-6750
 611 Acme Printing & Reproduction
 662-0030
 Farmer's Insulation Inc 769-0066
 Insite Computing 994-3660
 635 St John Raham & Weidmayer cpa
 622-2522
 691 Joe's Barber Shop 663-7032
 693 Liberty Market addl sp
 695 Liberty Market gro ret 761-4772
 W LIBERTY ST INTERSECTS

43**W LIBERTY INTERSECTS**

730 Plantz Nancy @ 668-8642
 744 Burke Mark @ 662-5135
 770 Jedele Paul A @ 668-8094
 775 Discovery Center The day care
 663-7496

BENS BEGINS

800★Halsey Alphaelia 662-6927
 802 Ferguson Elaine 994-0349
 804 Nelson Victoria 668-4624
 806 Vacant (806-822)
 808 Crim Carol 996-4509
 824★Mayberry Howard 996-0128
 826 Fortson Lula 665-6642
 828 Mc Gill Georgia 662-4668
 830 Bryant Bradley 662-1109
 840 Vacant
 842 Dent Renea E
 844 Vacant
 846 Kilpatrick Geo
 848 Scribbling Bertha M 994-5041
 850 Jones Barbara
 860 Vacant
 862 Vacant
 864 Curry Beverly
 866 Neal Patricia A 668-1928
 868★Wise Laverne 663-6932
 870 Churchill Coleen E 995-1246
 880 Judie Charlotte L
 882 Tackett Sandra L
 884 No Return
 886★Scruggs Wm 665-5173
 888 Vacant
 890 Vacant

RUSSELL BEGINS**ADRIENNE DR BEGINS**

1042 Singer J David @ 663-6835
 1110 Vacant
 1132 Hansen Erling J @ 665-5672
 1146 Moessner Susan 668-6709
 1215 Apartments
 101 Lipphart Alf 663-3617
 102★Vanderkooy Jacob 663-4945
 103 Vacant
 201 Kerr Agnes H
 202 Vacant
 203 Vacant
 204★Cook Cheryl 761-8478
 301 Rowell Dale 995-9351
 302 Vacant
 303★Crowell S
 304 No Return

1225 Apartments

105 Robinson Debbie
 106★Carlsen F M Mrs 747-9208
 107★Komar J 995-0107
 205 Vacant
 206 Vacant
 207★Dise S E 761-9229
 208★Durin Wm
 305 Pollard Dennis D 665-8095
 306 Vacant
 307 Woodruff Marty 662-5049
 308★Katz Leo 663-6083

1235 Apartments

101 Wahl Diane L Mrs 663-4045
 102 Duncanson Marilyn E 663-5546
 103 Vacant
 201 No Return
 202★Christiensen S 761-6532

South Maple Road 1984

		23	842 Vacant
MAPLE RD N (BARTON HILLS)			844 Collins Elmira Mrs 663-0809
FROM 1845 LANSLOWNE RD SOUTH			846 Kilpatrick Geo
AND EAST			848 Churchill Colene E Mrs 995-1246
ZIP CODE 48103			850 Jones Barbara
3251	Hamid Ismat 662-2092		860 Hambright Betty
3255	Derco Design design & engineering serv 665-5677		862*Wallace Darlene
	Rutledge Donald E © 665-5677		864 Curry Beverly
3265	Chace Milton A © 668-7194		866 Neal Patricia A
3270	Jerome James K 665-4283		868*Jones Allena
3332	Vacant		870 Holbrook Felix
3351	Everett Riding School 662-3390		880 Juide Charlotte 996-2877
	Everett Ruth H Mrs © 662-3390		882 Gray Irma
3361	Elan Systems Inc data & mgmt sys for hosps 668-6738		884*Franklin Anita
	Digiulio Leo © 996-0383		886 Curry Willie M
	RIVERBEND DR BEGINS		888 Myles Frances
3373	Remen Seymour 994-6414		890 Johnson Marshaline
3395	Munsell Hugh 668-7342		RUSSELL BEGINS
			ADRIENNE DR BEGINS
			1042 Singer J David © 663-6835
			1110 Gable Harry 769-7091
			1132 Hansen Erling J © 665-5672
			1146 Moessner Susan 668-6709
		31	1215 Apartments
MAPLE RD S —FROM 2400 JACKSON			101 Lipphart Alf 663-3617
AV SOUTH			102 Cheatham Reva 662-6848
ZIP CODE 48103			103*Mc Cool Susan
ABBOTT ENDS			201 Kerr Agnes H
121	Vacant		202 Stull Florence E 769-0147
W STADIUM BLVD INTERSECTS			203*Williams Arth
320	Westgate Fast Foto photo finishing 665-2254		204 Seabright Carol 662-5238
300	Mountain Jack's Restaurant 665-1133		301 Combs Thos H 761-6357
390	Moose Lodge Of Ann Arbor 662-1702		302*Edmonds Rodney
	Ann Arbor Moose Club 662-1702		303*Langin Janelle
	Loyal Order Of Moose No 1253 662-1702		304*Corin Scott M
480	Westland Furn addl sp	1225	Apartments
490	Westland Furniture 662-5170		105 Abbott Joel
WINEWOOD AV ENDS			106 Smudski Paul J 663-9032
500	Westland Furn addl sp		107*Semark Geo
505	Eberbach Corporation scientific instruments mfrs 665-8877		205 Seeger Judith 769-3152
550	Michigan Bell Telephone Co dist plant mgr 984-8651		206*Kafka Leonard 761-2382
561	Detroit Edison Co The (Hemlock Sub Station) 769-5880		207*Cooley Martha
570	Buss Thos R 662-0101		208 Grammatico Terra 995-0969
571	Dan's Auto Service 668-6105		305 Pollard Dennis D 665-8095
585	Robertson's Aluminum Door & Window Co 663-4916		306*Duff Steven
587	Daniels Used Baby Things 761-9305		307 Thurber Nancy J 665-3105
601	Vacant		308*Zdunczyk Diane
603	A B C Truck Rental 769-2077	1235	Apartments
605	Mackraft Signs 662-0644		101 Wahl Diane L Mrs 663-4045
607	Construction Testing & Inspection Inc testing laby 995-3777		102 Duncanson Marilyn E 663-5546
611	Acme Printing & Reproduction 662-0030		103*Lavolette Melton
635	Control Gaging elec eng mfg 668-6750		201 Otsuka Hayime
691	Sun Photo photo finishing 663-6529		202 Yates Richd H 769-5334
693	Round Haus pizza & sub shop 994-6464		203*Lorrouy Maxine
695	Quik-Pik gro ret 996-1747		204*Lewin Jan S
			301 Briggs Elaine
			302 Jackson Stanley J 971-8762
			303 Wind Barry E 665-8137
			304 Jaeger Linda C
		1241	Atwell-Hicks Inc surveyors & planners 994-4000
		1245	Apartments
			105 Jenkins Carolyn
			106 Fransted Merlin L 663-3870
			107 Barnard Gerald 769-5163
			205 Paron Krestine 665-3311
			206 Rogers C Burton 662-8997
			207*Wentworth Basil
			208 Elden Jerome 668-7016
			305 Milliken Michl 995-0740
			306*Bauer Bob
			307 Grimord Jeffrey 663-3729
			308 Olivo Chris
		1255	Apartments
			101 Frost Leroy
			102*Blythe Linda
			103*Buckland Donald
			105 Vacant
			201 Jarrait Charles O
			202 Mc Kay Judith S 665-8064
			203 Ascher Saml 662-4300
			204 Quayle John 665-9216
			301 Reimer Barbara 665-0249
			302 Bennick Angeline
			303 Sager Douglas H 665-9513
		43	
W LIBERTY INTERSECTS			
730*	Plantz Nancy © 668-8642		
744	Klinke Wm © 995-2697		
770	Jedele Paul A © 668-8094		
775	Discovery Center The 663-7496		
BENS BEGINS			
800	Wright Willie		
801	Vacant		
802*	Rerguson Elaine		
804	Vacant		
806	Freeman Lucy S		
808	Hall Theresa M 996-0226		
810	Vacant		
820*	Cherry Edith		
822	Belcher Yvonne		
824	Terry Andre		
826	Rayford Mary 996-9084		
828	Mc Gill Georgia 662-4668		
830	Bryant Bradley 662-1109		
840	Vacant		

South Maple Road 1979

2774 Dutil Wm R @ 662-9573	842 Curry Diane
2787 Storey Alf W @ 769-6566	844 Collins Elmira Mrs
2790 Bailey Betty A Mrs @ NO3-5550	846 Kilpatrick Geo 663-4307
2800 Hutzel Janet M Mrs @ 662-3813	848 Churchill Colene E Mrs 994-3780
2810 Hakala Warner J @ NO2-0980	850*Smith Garnett M
LAURENTIDE RD INTERSECTS	860 Fly Paul 665-2625
2848 Heffernan Ronald 994-5501	862*Johnson Marshaline 662-2156
2876 Jameson Thos A @ 662-8938	864 Smith Willie M
	866 Fonville Cozetta Mrs
	868 No Return
	870 Warrington Barbara A
	880 Dempsey Lorraine 665-0686
	A*Landrul Charlotte 665-3142
	882*Wells Wm 994-0192
	884*Franklin Nita 995-4948
	886*James Judy 665-2609
	888*Armor Eliz 665-5163
	890 Johnson Marcia
	RUSSELL BEGINS
	1042 Singer J David @ NO3-6835
	1110*Wellman Raupagh 665-2737
	1132 Hansen Erling J @ NO5-5672
	1146 Pichea A J @ 769-0528
	1215 Apartments
	101*Holt Jack
	102 Garris Steven Z 761-9826
	103*Phillips John M 668-1753
	201 Kerr Agnes H
	202 Stull Florence E 769-0147
	203*Hirner D
	204*Smith Marilyn J 662-5238
	301 Combs Thos H 761-6357
	302 Klager Randy H 994-6260
	303 Gilmore Robt L 994-3429
	304*Wilt Larry W 994-3027
	1225 Apartments
	105 Augenstein Patricia A 769-0859
	106*Gordon J
	107*Bagrow Paul 663-8702
	205 Lipphart Alf W 663-3617
	206*Mc Callum Malcolm C 668-6199
	207*Willis Rayburn 665-7365
	208 Roth Helen M 662-1764
	305*Mac Donald Ian 665-6959
	306*Culbertson Wm 769-7793
	307 Byers Dohrman H 663-9837
	308*Johnson E
	1235 Apartments
	101 Wahl Diane L Mrs 663-4045
	102 Duncanson Marilyn E 663-5546
	103*Williams Dorothy 663-9549
	201 Manela Carl L 662-0296
	202*Yates Richd H 769-5334
	203*Hallock Thos 663-4889
	204 Gregory
	301*Judnick Wm E
	302 Jackson Stanley J 971-8762
	303*Mendenhall Otis
	304 French A H Mrs
	1241 Du-Pine Co sand gravel & stone
	NO5-5100
	Cunningham Donald T @ NO5-5100
	1245 Apartments
	105*Wisener B
	106 Fransted Merlin L 663-3870
	107 Loeb Judy K 769-1975
	205 Cress Brenda
	206*Bragalone Michl 663-5414
	207*Perry Oliver H 662-0204
	208*Jones E R 662-1189
	305 Ehman Thos F Jr 994-0230
	306 Rector Patricia A 663-2747
	307*Greene Thos L 668-6059
	308 Rusky Bernard J 761-3022
	103 Parrish L 662-5246
	201 Norris Margot 663-3013
	202 Jones S
	203 Ascher Saml 662-4300
	204 Bock P 665-9968
	301 Vacant
	303 Sager Douglas H 665-9512
	304 Rodibaugh Robt K 662-5492
	1265 Apartments
	106 Napoleon Suzanne 663-8296
	107 Vacant
	205 Street G
	206 Proud G A 668-7222
	207 Tichenor W
	208 Grossman Randolph 663-7161
	306 Ferry D
	307 Wolff Wm J 665-6751
	308 Squires S J
	1300 Grace Bible Church 663-0589

South Maple Road

1974

S MAPLE RD—Contd

607 Dri-Print Foils Inc 761-8007
 611 Acme Printing & Reproduction NO2-0030
 Koch & White Heating & Cooling Inc
 663-0204
 620 Mullison Ruthven A © NO2-3577

W LIBERTY INTERSECTS

730 Roessler Geo © NO3-5479
 744 Kaercher Homer J © NO2-9287
 770 Jedele Paul A © NO8-8094
 800★Colbert Glenn
 801 Glover Billy J 769-4264
 802 Ferguson Elaine 662-3977
 804 No Return
 806 Vacant
 808 Singleton Josephine Mrs
 810★Weeks Eliz
 820 Robinson Carl
 822 Neal Eleck O
 824 Vacant
 826 Mc Rae Sarah L 665-2844
 828★Tetrus Carl
 830 Lowery Thos E
 840★Lowdon Margt E
 842★King Sofie
 844 Collins Elmira Mrs
 846 Marshall Martha
 848 Vacant
 850★Ternstedt Marie A
 Bell Hill Jr
 860 Senneck Mary A
 862★Edward Kathryn 761-2201
 864 No Return
 868 Vacant
 870 Thomas Sandra L 665-8511
 880★Beattie Clay 769-2684
 882 Vacant
 884 Williams Eliz Mrs
 886 Taylor Othela Mrs
 888★Monroe Karen
 890★Jones Mary

RUSSELL BEGINS

1041 Vacant
 1042 Singer J David © NO3-6835
 1110 Crosby David A © 761-9203
 1132 Hansen Erling J © NO5-5672
 1146★Bedolla Dolores 663-8205
 1215 Apartments
 101★Carras Sophie 668-7565
 102 Teresa Joseph G
 103 Short N G 663-9515
 201 Immonen Glenda A 663-9620
 202 Vacant
 203★Debler Robt R 665-0910
 204 Erfurt John C
 301★Combs Thos H 761-6357
 302 Altenberndt C
 303 Vacant
 304★Jeffries Ronald E 769-0224
 1225 Apartments
 105 Schaldenbrand Charles 761-0785
 106 Kidwell Geo F 662-9394

43

107 Abrams Steve 662-4927
 205 Hand John 763-6198
 206 Etcheverry Roland 769-4094
 207★Witmer Edith A 663-3468
 208 Roth Helen M 662-1764
 305★Hughes Frances S 665-6632
 306 No Return
 307 Byers Dohrman H 663-9837
 308★Beeland Wm D 761-7672

1235 Apartments

101★Wahl Diane L 663-4045
 ★Anderson Danford C 665-4506
 103 Duncanson Marilyn 663-5546
 201 Manela Carl 662-0296
 202 Calhoun Hazel D
 203 Burns Thos R 665-7638
 204 Paul Penelope B 663-3966
 301★Spann Billy J 994-4084
 302 Jackson Stanley J 662-4863
 303 Nyman Geo 769-3005
 304★Glencer Gerald L

1241 Du-Pine Co bldg contrs NO5-5100

Cunningham Donald T © NO5-5100

1245 Apartments

105 Fransted Merlin 663-3870
 106 Gaskell Walter L 663-5570
 107 Loeb J
 205 No Return
 206★Bloom David A 763-6661
 207 Alexander Don K 769-2683
 208 Sanchez Albert 769-2473
 305 Yamaguchi Koichi 769-4759
 306★Henson Danny L 662-6311
 307 Connolly Helen Mrs 769-5921
 308 Rusky Bernard J 761-3022

1315 Apartments

105 Goedenberg R B 769-0227
 106 Vacant
 107 Campos Guillermo P 761-4688
 108★Seward Stanley R
 205 Ross Jake 662-2871
 206 Danborn Carl K 662-1887
 207 Hicks Marsha D 662-2453
 208 Kyprie Lawrence M 761-7294
 305★Kato Ronald 769-1167
 307 Kirvan Stuart 769-1167
 308 Richardson Hayward 663-5829

1325 Apartments

101 Betts Barry R
 102 Lamping Frank M 769-4253
 103 Schofield P
 104★Scott D Z 761-3967
 201 Siebert Robt W 769-2010
 202 Rutledge J
 203 Milliken Wm A 769-1921
 204★Kasle Noreen L 769-3350
 301 Brabson Howard V 665-0397
 302 Perry Mary A Mrs
 303 Staples Robt J 662-2116
 304 Janz Richd A 663-7112

1501 Crawford Wm 663-1271

1514 Thomas Charles © 663-3972

South Maple Road 1969

31

MAPLE RD S -FROM 2400 JACKSON AV
SOUTH

---ZIP CODE 48103

---ABBOTT ENDS

121 RIKLI MARATHON SERVICE
665-3766

---W STADIUM BLVD INTERSECTS
390 ANN ARBOR MOOSE CLUB NO2-2148
LOYAL ORDER OF MOOSE NO 1253
NO2-2148

401 ANN ARBOR GYMKHANA (STGE)

415 ANN ARBOR GYMKHANA BATHS
NO2-9200

480 WESTLAND FURN

490 WESTLAND FURNITURE NO2-5170

---WINEWOOD AV ENDS

505 EBERBACH CORP SCIENTIFIC
INSTRUMENTS 665-8877

550 MICHIGAN BELL TELEPHONE CO
(PLANT DEPT) NO8-9931

561 DETROIT EDISON CO THE (HEMLOCK
SUB STATION)

570 BUSS RAYMOND R • NO3-0101

571 GUENTHER ERWIN J EXCAVATING
CONTR NO3-5694

585 AMPERE ELECTRIC CO CONTR
663-3768

601 MUSOLF R D CONSTRUCTION CO
MASON CONTRS 761-3970

605 HOTZEL SIGN STUDIO SIGN MFRS
NO2-0644

607 HOTZEL SIGN STUDIO (ADDN
SPACE)

611 ACME PRINTING & REPRODUCTION

NO2-0030

ELLIS F E SUPPLY BARBER &
BEAUTY SUP 662-3938

620 MULLISON RUTHVEN A • NO2-3577

43

---W LIBERTY INTERSECTS

730 ROESSLER GEO • NO3-5479

744 KAERCHER HOMER J • NO2-9287

770 JEDELE PAUL A • NO8-8094

801 GLOVER BILLY J

---RUSSELL BEGINS

1041 VACANT

1042 SINGER J DAVID • NO3-6835

1110 GUTIERREZ PRIMITIZO 662-5169

1132 HANSEN ERLING J • NO5-5672

1146 HANSEN VICTORIA I MRS •
NO3-6425

South Maple Road 1964

31

MAPLE RD S—From 2400 Jackson av
south

Abbott ends

121 Westgate Marathon Serv NO3-6365

W Stadium blvd intersects

390 Moose Lodge

NO2-2148

Loyal Order of Moose No 1253

NO2-2148

401 Bill's Auto Sls used cars 663-2675

415 A A Gymkhana gymnasium

NO2-9200

480 Broadway Auction House used furn

NO2-5176

Broadway Furn Co NO2-5176

490 Westland Furn NO2-5170

Winewood av ends

505 Eberbach Corp scientific instru-
ments 665-8877

550 Mich Bell Tel Co (plant dept)

NO8-9931

561 Detroit Edison Co (Hemlock Sub
Sta)

570 Buss Raymond R © NO2-0101

571 Guenther Bros excavating NO3-5694

601 Business Data bkpg serv NO3-2497

603 Seitz Nathan T bkpg serv NO5-0555

605 Hotzel Sign Studio sign mfrs

NO2-0644

607 Hotzel Sign Studio (addn space)

611 Acme Printing & Reproduction

NO2-0030

Crown Ann Arbor Paper Co (br)

NO5-8883

rear Cookie's Harley-Davidson Sls

NO5-9245

Ellis Frank Sup barber sups

620 Mullison Ruthven A © NO2-3577

13

W Liberty intersects

730 Roessler Geo © NO3-5479

744 Kaercher Homer J © NO2-9287

South Maple Road 1964

MAPLE RD S—Contd

770 Jedele Paul A © NO8-8094

Bens begins

801 Avery Wilbur NO8-7181

Russell begins

1041 Vacant

1042 Singer J David © NO3-6835

1110 No return

1127 Vacant

1132 Hansen Erling J © NO5-5672

1140 Vacant

1146 Hansen Hans E © NO3-6425

1241 DuPine Co real est NO5-5100

Cunningham Donald T © NO5-5100

South Maple Road

1960

Target Street	Cross Street	Source
31		
MAPLE ROAD S— From 2400 Jackson av south beyond Russell Abbott av ends		
121	Ray's Abbott & Maple Serv gas sta	ΔNO2-4225
W Stadium blvd intersects		
224	Gruber Everett E	ΔNO2-1602
230	Vacant	
390	Moose Lodge Loyal Order of Moose No 1253	ΔNO2-2148
401	Boatland Repr Shop boat repr	ΔNO5-5364
415	AA Gymkhana gymnasium	ΔNO2-9200
480	Broadway Auction House used furn	ΔNO2-5176
	Broadway Furn Co	ΔNO2-5176
490	Westland Furn	ΔNO2-5170
Winewood av ends		

✓

-

South Maple Road 1960

Telephone NOrmandy 2-0335

- 505 Eberbach Corp scientific instru-
ments ΔNO2-5634
- 570 Buss Raymond R © ΔNO2-0101
- 571 Guenther Bros contrs excavating
ΔNO3-5694
- 605 Hotzel Sign Studio sign makers
ΔNO2-0644
- Weber-Wilson Realtors
ΔNO5-5514
- 611 Acme Prntg & Reproduction
ΔNO2-0030
- Crown Ann Arbor Paper Co paper
whol ΔNO3-4633
- Bauer Htg & Air Conditioning
ΔNO2-5916
- 620 Mullison Ruthven A © ΔNO2-3577

13

W Liberty intersects

- 730 Roessler Geo © ΔNO3-5479
- 744 Kaercher Homer J © ΔNO2-9289
- 770 Jedele Paul A © ΔNO8-8094

Bens begins

- 801 No Return

Russell begins

- 1041 Hathaway DeWitt C ©
- 1042 Banks Jas T ©
- 1110 Vacant
- 1127 Vacant
- 1132 Hansen Erling J © ΔNO5-5672
- 1140 Hansen H E Upholstering
ΔNO2-6912
- 1146 Hansen Hans E © ΔNO3-6425
- 1241 DuPine Co landscape gdnr
ΔNO5-5100
- Cunningham Donald T ©
ΔNO5-5100

South Maple Road 1955

31

MAPLE ROAD S—From
2400 Jackson av south
beyond Russell

Abbott av ends

121Δ Killham's Serv gas
 sta

W Stadium blvd

intersects

224Δ Hock Decorating Co
 Δ Bock Fred J ☉

490 Broadway Auction
 House furn

Winewood av

ends

505Δ Eberbach Corp
 scientific

instruments

570Δ Buss Raymond ☉

571Δ Guenther Bros
 excavating and
 grading

620Δ Mullison Ruthven
 A ☉

13

W Liberty Inter-
sects

730Δ Roessler Geo ☉

744Δ Kaercher Homer
 J ☉

770Δ Jedele Paul A ☉

Bend begins

801Δ Voice Harold E ☉

Russell begins

1041Δ Hathaway Dewey
 C ☉

1042Δ Fox Mary L Mrs ☉

1110 No Return

1127Δ Schalthorn Hen ☉

1132Δ Hansen Erling J ☉

1140Δ Hansen H E uphol

1146Δ Hansen H E ☉

1241Δ Cunningham Donald
 T ☉ landscape
 gdr

South Maple Road 1949

28404 ROGERS JULY C. ©

31

MAPLE ROAD S — From 2400
Jackson av south beyond Russell
Abbott av ends

W Stadium blvd intersects

224△Bock Decorating Co

△Bock Fred J. ©

Winewood av ends

505△Huron Valley Roofing Co

Associated Roofing & Siding

570△Buss Raymond ©

620△Mullison Ruthven A. ©

W Liberty begins

13

Maple rd S intersects

730△Stafford Dean C. ©

744△Kaercher Homer J. ©

770△Jedele Paul A. ©

Bens begins

801△Voice Harold E. ©

Russell begins

1041△Hathaway Dewey C. ©

1042△Fox Mary L. Mrs. ©

1110△Cordone Attilio S.

1146 Under construction

1241△Pittman Frank ©

14

South Maple Road

1945

**MAPLE ROAD S—From 2400 Jackson av
south beyond Russell**

Abbott av ends

W Stadium blvd intersects

224△Bock Fred J

Winewood av ends

570 Buss Raymond ©

620△Mullison Ruthven A ©

W Liberty begins

730△Roessler Geo ©

770△Jedele Paul A ©

Bens begins

801△Voice Harold E ©

Russell begins

1041 Hathaway Dewey C ©

1042△Fox Homer E ©

1110△Hansen Hans E uphol

MAPLEWOOD PLACE (Backyard Home

South Maple Road 1939

Miller av intersects

MAPLE ROAD (Formerly Arbor Glenn dr)—From W Stadium blvd north, 1 west of County Fair Grounds

2244 Bock Fred J

Jackson av intersects

785 Leneberg Herman G

Miller intersects

Maple Road

South Maple Road(aka. Arbor Glenn Drive)

1934

**ARBOR GLEN DR—From Jackson
av north, 1 west of County Fair
Grounds**

(Houses not numbered)

ARBOR VIEW BLVD—From Maple

SECTION 10.5

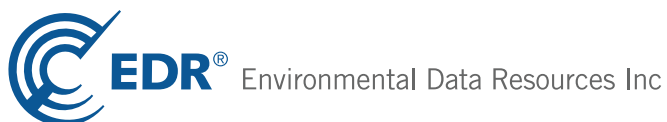
Environmental Database Report

Maple Meadows

800 S. Maple Road
Ann Arbor, MI 48103

Inquiry Number: 3594449.2s
May 01, 2013

The EDR Radius Map™ Report with GeoCheck®



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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	83
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-78

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

800 S. MAPLE ROAD
ANN ARBOR, MI 48103

COORDINATES

Latitude (North): 42.2721000 - 42° 16' 19.56"
Longitude (West): 83.7800000 - 83° 46' 48.00"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 270735.4
UTM Y (Meters): 4683517.0
Elevation: 968 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-C7 ANN ARBOR WEST, MI
Most Recent Revision: 1983

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012
Source: USDA

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

EXECUTIVE SUMMARY

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site List

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

Federal RCRA 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

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

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

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

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

EXECUTIVE SUMMARY

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

ODI..... Open Dump Inventory

SWRCY..... Recycling Facilities

HIST LF..... Inactive Solid Waste Facilities

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

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

CDL..... Clandestine Drug Lab Listing

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

Local Land Records

LIENS 2..... CERCLA Lien Information

LIENS..... Lien List

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Pollution Emergency Alerting System

Other Ascertainable Records

DOT OPS..... Incident and Accident Data

DOD..... Department of Defense Sites

FUDS..... Formerly Used Defense Sites

CONSENT..... Superfund (CERCLA) Consent Decrees

ROD..... Records Of Decision

UMTRA..... Uranium Mill Tailings Sites

US MINES..... Mines Master Index File

TRIS..... Toxic Chemical Release Inventory System

TSCA..... Toxic Substances Control Act

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

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS..... Integrated Compliance Information System

PADS..... PCB Activity Database System

MLTS..... Material Licensing Tracking System

RADINFO..... Radiation Information Database

EXECUTIVE SUMMARY

FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
UIC.....	Underground Injection Wells Database
DRYCLEANERS.....	Drycleaning Establishments
NPDES.....	List of Active NPDES Permits
AIRS.....	Permit and Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
PRP.....	Potentially Responsible Parties
WDS.....	Waste Data System
EPA WATCH LIST.....	EPA WATCH LIST
US FIN ASSUR.....	Financial Assurance Information
PCB TRANSFORMER.....	PCB Transformer Registration Database
2020 COR ACTION.....	2020 Corrective Action Program List
COAL ASH.....	Coal Ash Disposal Sites
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
Financial Assurance.....	Financial Assurance Information Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/12/2013 has revealed that there are 3

EXECUTIVE SUMMARY

RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STADIUM COLLISION INC	611 S MAPLE	N 1/8 - 1/4 (0.173 mi.)	A2	7
WOODWARD DETROIT CVS LLC	2100 W STADIUM BLVD	E 1/8 - 1/4 (0.224 mi.)	C15	27
IHS AUTOMOTIVE GROUP	2060 W STADIUM BLVD	E 1/8 - 1/4 (0.236 mi.)	D25	44

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 02/12/2013 has revealed that there are 3 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MICHIGAN BELL TELEPHONE COMPAN	550 S MAPLE RD	N 1/8 - 1/4 (0.194 mi.)	A6	13
CONVENIENCE AUTO SERVICE	2280 W LIBERTY ST	NE 1/8 - 1/4 (0.203 mi.)	B9	18
US POSTAL SERVICE	2075 W STADIUM BLVD	E 1/8 - 1/4 (0.236 mi.)	D22	39

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's Contaminated Sites List on Diskette With Address.

A review of the SHWS list, as provided by EDR, and dated 01/28/2013 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
1943 JACKSON AVENUE Facility Status: Interim Response in progress	1943 JACKSON AVE	NNE 1/2 - 1 (0.722 mi.)	43	80

State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, and dated 02/01/2013 has revealed that there are 16 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
1241 GROUP Facility Status: Closed	1241 S MAPLE RD	S 1/4 - 1/2 (0.400 mi.)	38	76

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANN ARBOR GARAGE (GEOLOC M6512) Facility Status: Closed	550 S MAPLE RD	N 1/8 - 1/4 (0.194 mi.)	A7	15
BIG M CAR WASH Facility Status: Open	2151 STADIUM	ENE 1/8 - 1/4 (0.216 mi.)	12	22
VICTORY LANE QUICK OIL Facility Status: Closed	2185 W STADIUM BLVD	ENE 1/8 - 1/4 (0.216 mi.)	13	24
SESI LINCOLN MERCURY INC Facility Status: Closed	2100 W STADIUM BLVD	E 1/8 - 1/4 (0.224 mi.)	C16	29
LARRYS SUNOCO Facility Status: Closed	2095 W STADIUM BLVD	E 1/8 - 1/4 (0.236 mi.)	D20	35
USPS Facility Status: Closed	2075 W STADIUM BLVD	E 1/8 - 1/4 (0.236 mi.)	D24	42
NAYLOR MOTOR SALES INC Facility Status: Closed	2060 W STADIUM BLVD	E 1/8 - 1/4 (0.236 mi.)	D27	52
COMMERCIAL PROPERTY Facility Status: Open	2245 W STADIUM BLVD	NE 1/8 - 1/4 (0.245 mi.)	E29	54
NORTH STAR USA Facility Status: Open	2275 W STADIUM BLVD	NNE 1/4 - 1/2 (0.268 mi.)	F30	55
DISCOUNT TIRE CO INC Facility Status: Closed	2270 W STADIUM BLVD	NNE 1/4 - 1/2 (0.271 mi.)	F31	59
BUDDY'S MINI MART #15 Facility Status: Closed	2315 STADIUM BLVD	NNE 1/4 - 1/2 (0.321 mi.)	G34	61
SPEEDWAY #8707 Facility Status: Closed	2020 W STADIUM BLVD	ESE 1/4 - 1/2 (0.325 mi.)	35	64
HOME APLIANCE MART INC Facility Status: Closed Facility Status: Open	2025 W STADIUM BLVD	ESE 1/4 - 1/2 (0.346 mi.)	H36	69
HOME APPLIANCE MART INC Facility Status: Closed	2019 W STADIUM BLVD	ESE 1/4 - 1/2 (0.357 mi.)	H37	73
STADIUM STORE, INC. Facility Status: Closed	2445 W STADIUM BLVD	N 1/4 - 1/2 (0.455 mi.)	I40	78

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 02/01/2013 has revealed that there are 10 UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANN ARBOR GARAGE (GEOLOC M6512)	550 S MAPLE RD	N 1/8 - 1/4 (0.194 mi.)	A7	15
LIBERTY PUMPING STATION	2675 WEST LIBERTY	W 1/8 - 1/4 (0.207 mi.)	10	20
SELECT RIDE INC	2050 COMMERCE BLVD	SE 1/8 - 1/4 (0.215 mi.)	11	21
BIG M CAR WASH	2151 STADIUM	ENE 1/8 - 1/4 (0.216 mi.)	12	22
VICTORY LANE QUICK OIL	2185 W STADIUM BLVD	ENE 1/8 - 1/4 (0.216 mi.)	13	24

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SESI LINCOLN MERCURY INC	2100 W STADIUM BLVD	E 1/8 - 1/4 (0.224 mi.)	C16	29
MARATHON UNIT #1108	W STADIUM & LIBERTY	E 1/8 - 1/4 (0.225 mi.)	C17	33
LARRYS SUNOCO	2095 W STADIUM BLVD	E 1/8 - 1/4 (0.236 mi.)	D20	35
USPS	2075 W STADIUM BLVD	E 1/8 - 1/4 (0.236 mi.)	D24	42
NAYLOR MOTOR SALES INC	2060 W STADIUM BLVD	E 1/8 - 1/4 (0.236 mi.)	D27	52

State and tribal institutional control / engineering control registries

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

A review of the AUL list, as provided by EDR, and dated 03/28/2012 has revealed that there is 1 AUL site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STADIUM GAS & MART	2315 WEST STADIUM BOULE	NNE 1/4 - 1/2 (0.313 mi.)	G33	60

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

DEL SHWS: Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does support it's listing or the site no longer meets criteria specified in rules.

A review of the DEL SHWS list, as provided by EDR, and dated 02/01/2013 has revealed that there are 2 DEL SHWS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMERICAN TRANSMISSIONS	2470 WEST STADIUM	N 1/4 - 1/2 (0.476 mi.)	I41	80
MONTGOMERY PUMPING STATION	432 MONTGOMERY	ENE 1/2 - 1 (0.923 mi.)	44	81

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 02/12/2013 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MACKRAFT SIGNS	605 S MAPLE RD	N 1/8 - 1/4 (0.191 mi.)	A5	11
SESI LINCOLN MERCURY INC	2100 W STADIUM BLVD	E 1/8 - 1/4 (0.224 mi.)	C16	29
US POSTAL SERVICE	2075 W STADIUM BLVD	E 1/8 - 1/4 (0.236 mi.)	D23	41

EXECUTIVE SUMMARY

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 02/25/2013 has revealed that there are 12 BEA sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNKNOWN	2196 WEST STADIUM BOULE	NE 1/8 - 1/4 (0.222 mi.)	B14	27
SESI LINCOLN MERCURY INC	2100 W STADIUM BLVD	E 1/8 - 1/4 (0.224 mi.)	C16	29
Not reported	N PART OF 2100 W STADIU	E 1/8 - 1/4 (0.225 mi.)	C18	34
Not reported	2095 W STADIUM	E 1/8 - 1/4 (0.236 mi.)	D19	35
SUN OIL CO	2095 W STADIUM BLVD	E 1/8 - 1/4 (0.236 mi.)	D21	39
COMMERCIAL PROPERTY	2060 W STADIUM	E 1/8 - 1/4 (0.236 mi.)	D26	51
Not reported	2245 W STADIUM	NE 1/8 - 1/4 (0.245 mi.)	E28	53
NORTH STAR USA	2275 W STADIUM BLVD	NNE 1/4 - 1/2 (0.268 mi.)	F30	55
FORMER BUDDY'S MINI MART	2315 W STADIUM BLVD	NNE 1/4 - 1/2 (0.313 mi.)	G32	60
HOME APLIANCE MART INC	2025 W STADIUM BLVD	ESE 1/4 - 1/2 (0.346 mi.)	H36	69
Not reported	2425 W STADIUM	N 1/4 - 1/2 (0.431 mi.)	39	77
Not reported	2470 W STADIUM	N 1/4 - 1/2 (0.476 mi.)	I42	80

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: 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 US Hist Auto Stat list, as provided by EDR, has revealed that there are 3 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	2239 W LIBERTY ST	NE 1/8 - 1/4 (0.160 mi.)	1	7
Not reported	611 S MAPLE RD	N 1/8 - 1/4 (0.183 mi.)	A3	10
Not reported	2280 W LIBERTY ST	NE 1/8 - 1/4 (0.202 mi.)	B8	17

EDR US Hist 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.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there is 1 EDR US

EXECUTIVE SUMMARY

Hist Cleaners site within approximately 0.25 miles of the target property.

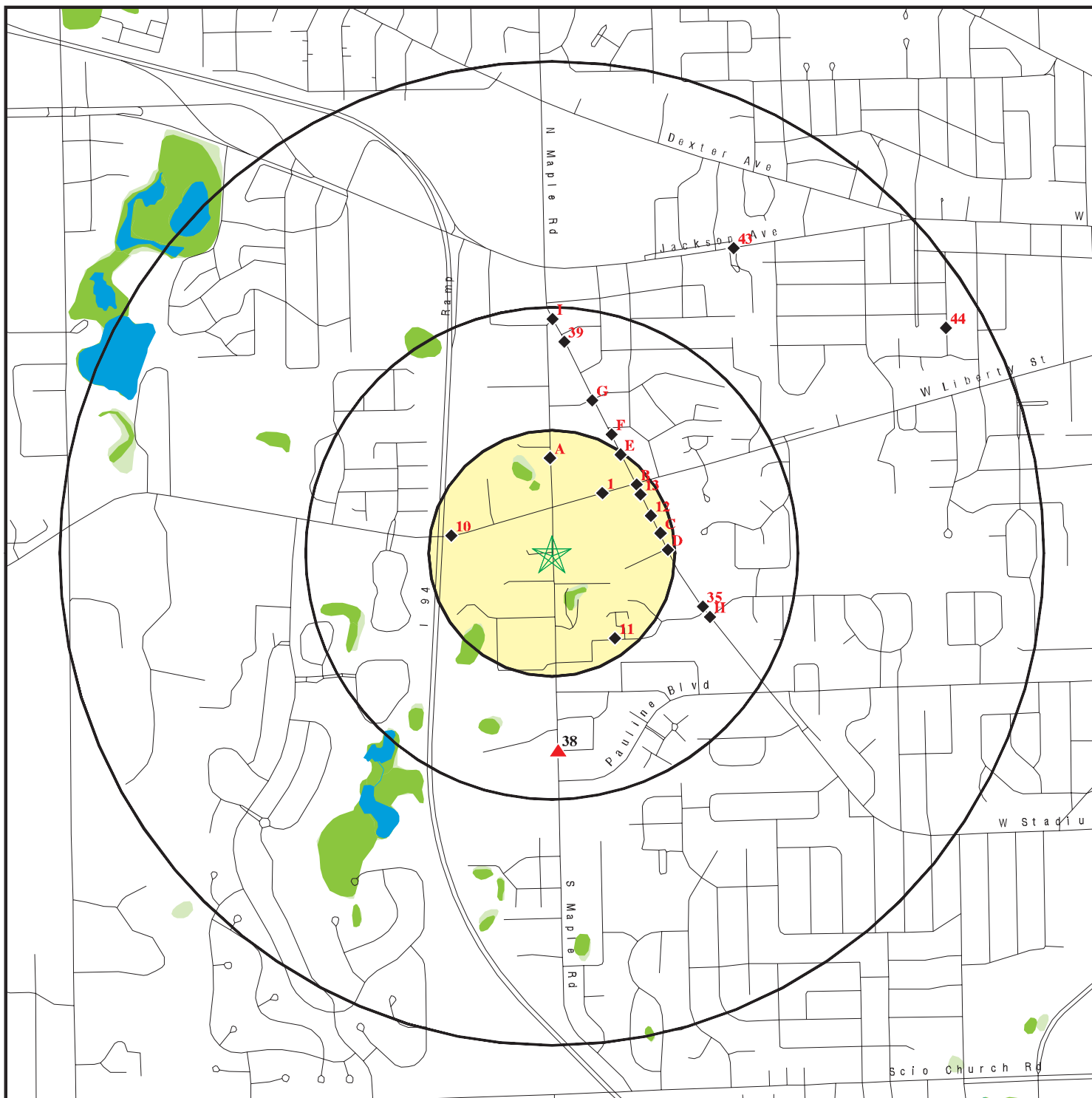
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	607 S MAPLE RD	N 1/8 - 1/4 (0.188 mi.)	A4	11

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 14 records.

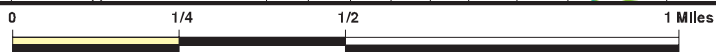
<u>Site Name</u>	<u>Database(s)</u>
STADIUM STORE INC	AUL
UNIV OF MICH HOSPITAL FULLER RD	SHWS
M14 ROLLOVER	CERCLIS
SHELL STATION	LUST, UST
MARATHON UNIT #1793	LUST, UST
ANN ARBOR PIPE & SUPPLY	LUST, UST
LIBERTY STREET	UST
COUNTY OF WASHTENAW ROAD COMMISSI	RCRA NonGen / NLR
COUNTY OF WASHTENAW ROAD COMMISSIO	RCRA NonGen / NLR
NORTH MAPLE AND DEXTER AVENUE	US BROWNFIELDS, FINDS
	BEA
MAPLE SHOPPES	BEA
	BEA
EATON CORP - ANN ARBOR	BEA

OVERVIEW MAP - 3594449.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- National Wetland Inventory
- State Wetlands

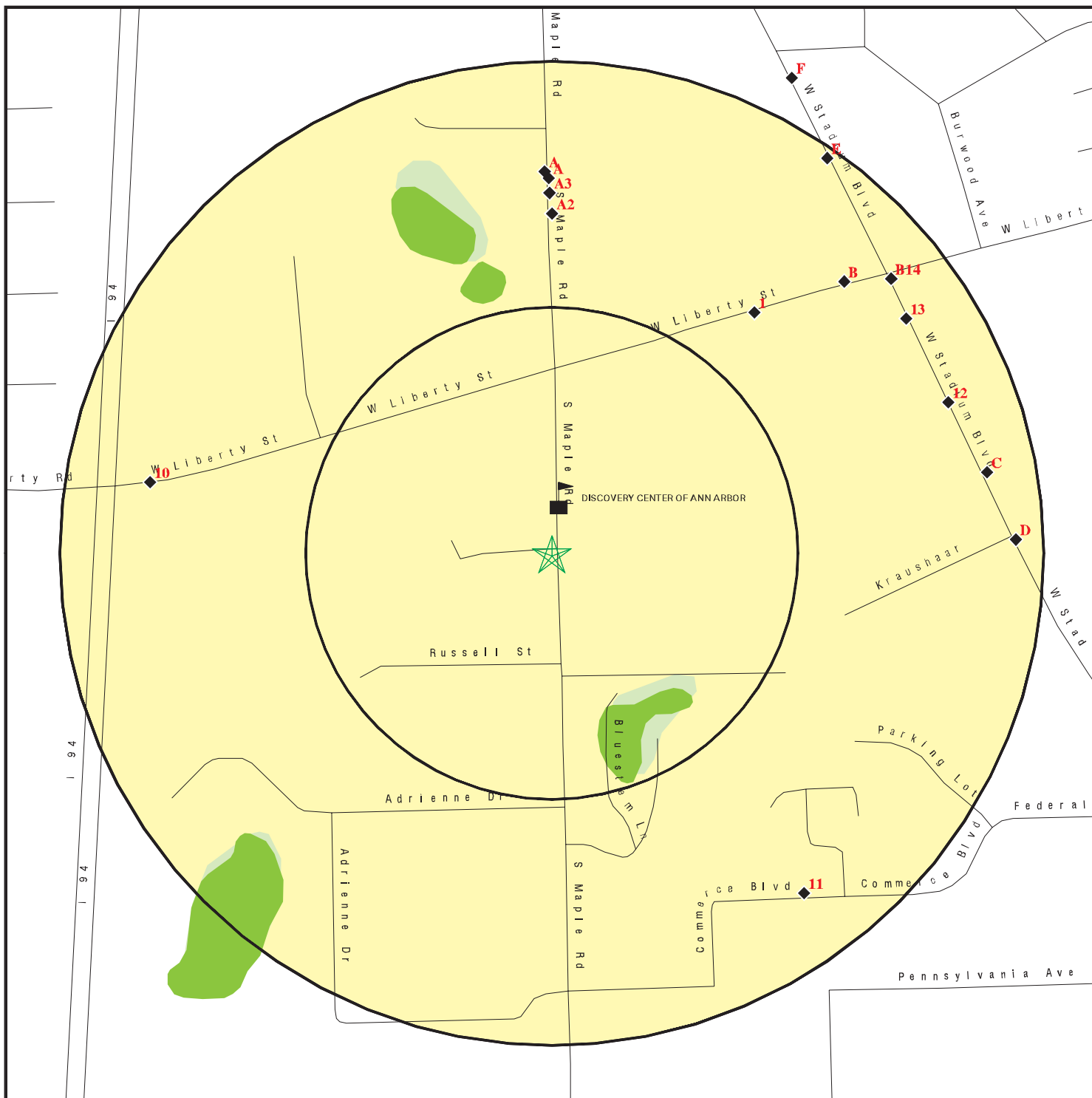


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Maple Meadows
 ADDRESS: 800 S. Maple Road
 Ann Arbor MI 48103
 LAT/LONG: 42.2721 / 83.78

CLIENT: Environmental Resources Group, Inc.
 CONTACT: Penny M. Dwoinen
 INQUIRY #: 3594449.2s
 DATE: May 01, 2013 3:43 pm

DETAIL MAP - 3594449.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚧 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 Indian Reservations BIA
- 🛢 Oil & Gas pipelines from USGS
- 🌿 National Wetland Inventory
- 🌿 State Wetlands

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

SITE NAME: Maple Meadows
 ADDRESS: 800 S. Maple Road
 Ann Arbor MI 48103
 LAT/LONG: 42.2721 / 83.78

CLIENT: Environmental Resources Group, Inc.
 CONTACT: Penny M. Dwoinen
 INQUIRY #: 3594449.2s
 DATE: May 01, 2013 3:44 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	3	NR	NR	NR	3
RCRA-CESQG	0.250		0	3	NR	NR	NR	3
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	1	NR	1
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	8	8	NR	NR	16
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST	0.250		0	10	NR	NR	NR	10

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
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL	0.500		0	0	1	NR	NR	1
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	1	1	NR	2
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	3	NR	NR	NR	3
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0

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 MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
BEA	0.500		0	7	5	NR	NR	12
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
Financial Assurance	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
EDR US Hist Auto Stat	0.250		0	3	NR	NR	NR	3
EDR US Hist Cleaners	0.250		0	1	NR	NR	NR	1

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
NE
1/8-1/4
0.160 mi.
844 ft.

2239 W LIBERTY ST
ANN ARBOR, MI 48103

EDR US Hist Auto Stat 1015338508
N/A

Relative:
Lower
Actual:
949 ft.

EDR Historical Auto Stations:
Name: JS AUTO REPAIR SHOP
Year: 2006
Address: 2239 W LIBERTY ST

A2
North
1/8-1/4
0.173 mi.
911 ft.

STADIUM COLLISION INC
611 S MAPLE
ANN ARBOR, MI 48103
Site 1 of 6 in cluster A

RCRA-SQG 1000865739
FINDS MI0000124271

Relative:
Lower
Actual:
959 ft.

RCRA-SQG:
Date form received by agency: 07/07/2008
Facility name: STADIUM COLLISION INC
Facility address: 611 S MAPLE
ANN ARBOR, MI 48103
EPA ID: MI0000124271
Mailing address: 611 S MAPLE RD
ANN ARBOR, MI 48103
Contact: TERRY GUTHRIE
Contact address: 611 S MAPLE
ANN ARBOR, MI 48103
Contact country: US
Contact telephone: (734) 994-8885
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: SUPERIOR COLLISION INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/01/1993
Owner/Op end date: Not reported
Owner/operator name: SUPERIOR COLLISION INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/01/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STADIUM COLLISION INC (Continued)

1000865739

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

Historical Generators:

Date form received by agency: 08/15/2002
Facility name: STADIUM COLLISION INC
Classification: Small Quantity Generator

Date form received by agency: 02/16/1994
Facility name: STADIUM COLLISION INC
Classification: Small Quantity Generator

Date form received by agency: 02/01/1993
Facility name: STADIUM COLLISION INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A 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 - Records/Reporting
Date violation determined: 06/01/2011
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/07/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STADIUM COLLISION INC (Continued)

1000865739

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 06/01/2011
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/07/2011
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: 06/01/2011
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/07/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 06/01/2011
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/07/2011
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: 06/01/2011
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/07/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STADIUM COLLISION INC (Continued)

1000865739

Evaluation Action Summary:

Evaluation date: 06/01/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003562449

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.

A3
North
1/8-1/4
0.183 mi.
967 ft.

611 S MAPLE RD
ANN ARBOR, MI 48103

Site 2 of 6 in cluster A

EDR US Hist Auto Stat 1015575494
N/A

Relative:
Lower

EDR Historical Auto Stations:

Name: SUPERIOR COLLISION INCORPORATED
Year: 1999

Actual:
957 ft.

Address: 611 S MAPLE RD

Name: SUPERIOR COLLISION INCORPORATED
Year: 2000
Address: 611 S MAPLE RD

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

1015575494

Name: STADIUM COLLISION INC
 Year: 2003
 Address: 611 S MAPLE RD

Name: SUPERIOR COLLISION
 Year: 2004
 Address: 611 S MAPLE RD

Name: SUPERIOR COLLISION
 Year: 2007
 Address: 611 S MAPLE RD

Name: STADIUM COLLISION INC
 Year: 2008
 Address: 611 S MAPLE RD

Name: SUPERIOR COLLISION
 Year: 2009
 Address: 611 S MAPLE RD

Name: SUPERIOR COLLISION INC
 Year: 2010
 Address: 611 S MAPLE RD

Name: SUPERIOR COLLISION
 Year: 2011
 Address: 611 S MAPLE RD

Name: SUPERIOR COLLISION
 Year: 2012
 Address: 611 S MAPLE RD

A4
 North
 1/8-1/4
 0.188 mi.
 993 ft.

607 S MAPLE RD
ANN ARBOR, MI 48103
Site 3 of 6 in cluster A

EDR US Hist Cleaners 1015080194
N/A

Relative:
Lower
Actual:
957 ft.

EDR Historical Cleaners:
 Name: M S CLEANERS
 Year: 2008
 Address: 607 S MAPLE RD

A5
 North
 1/8-1/4
 0.191 mi.
 1007 ft.

MACKRAFT SIGNS
605 S MAPLE RD
ANN ARBOR, MI 48103
Site 4 of 6 in cluster A

RCRA NonGen / NLR 1000451632
FINDS MID985584622

Relative:
Lower
Actual:
957 ft.

RCRA NonGen / NLR:
 Date form received by agency: 12/31/2001
 Facility name: MACKRAFT SIGNS
 Facility address: 605 S MAPLE RD
 ANN ARBOR, MI 48103
 EPA ID: MID985584622
 Contact: GAYLORD GRUBAUGH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MACKRAFT SIGNS (Continued)

1000451632

Contact address: 605 S MAPLE RD
ANN ARBOR, MI 48103
Contact country: US
Contact telephone: (734) 662-0644
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: GRUBAUGH GAYLORD
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/29/1993
Owner/Op end date: Not reported

Owner/operator name: GRUBAUGH GAYLORD
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/29/1993
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 08/10/1990
Facility name: MACKRAFT SIGNS
Classification: Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: MACKRAFT SIGNS
Classification: Not a generator, verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MACKRAFT SIGNS (Continued)

1000451632

Hazardous Waste Summary:

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

Violation Status: No violations found

FINDS:

Registry ID: 110003643718

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.

A6
North
1/8-1/4
0.194 mi.
1024 ft.

MICHIGAN BELL TELEPHONE COMPANY
550 S MAPLE RD
ANN ARBOR, MI 48103

RCRA-CESQG 1004722856
FINDS MID981954365

Site 5 of 6 in cluster A

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 03/09/1987
Facility name: MICHIGAN BELL TELEPHONE COMPANY
Facility address: 550 S MAPLE RD
ANN ARBOR, MI 48103
EPA ID: MID981954365
Mailing address: 36 SOUTH FAIRVIEW AVE
PARK RIDGE, IL 60068
Contact: MANDY BOHLMAN
Contact address: 550 S MAPLE RD
ANN ARBOR, MI 48103

Actual:
957 ft.

Contact country: US
Contact telephone: (877) 648-2073
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN BELL TELEPHONE COMPANY (Continued)

1004722856

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: MICHIGAN BELL TELEPHONE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/22/2002
Owner/Op end date: Not reported

Owner/operator name: MICHIGAN BELL TELEPHONE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/22/2002
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

Hazardous Waste Summary:

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

Violation Status: No violations found

FINDS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN BELL TELEPHONE COMPANY (Continued)

1004722856

Registry ID: 110003625729

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.

A7
North
1/8-1/4
0.194 mi.
1024 ft.

ANN ARBOR GARAGE (GEOLOC M65121)
550 S MAPLE RD
ANN ARBOR, MI 48103
Site 6 of 6 in cluster A

LUST **U000266458**
UST **N/A**
WDS

Relative:
Lower

LUST:

Facility ID: 00011796
Source: STATE OF MICHIGAN
Owner Name: AT&T Michigan
Owner Address: 308 S Akard Ste 1700
Owner City,St,Zip: Dallas, TX 75202
Owner Contact: Lisa Espinosa
Owner Phone: (877) 648-2073
Country: USA
District: Jackson District Office
Site Name: Ann Arbor Garage
Latitude: 42.27572
Longitude: -83.78048
Date of Collection: 02/21/2002
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0330-03
Release Date: 08/11/2003
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 02/08/2005

UST:

Facility ID: 00011796
Facility Type: CLOSED
Latitude: 42.27572
Longitude: -83.78048
Owner Name: AT&T MICHIGAN
Owner Address: 308 S AKARD STE 1700
Owner City,St,Zip: DALLAS, TX 75202
Owner Country: USA
Owner Contact: Lisa Espinosa
Owner Phone: (877) 648-2073
Contact: Environmental Management
Contact Phone: (877) 648-2073
Date of Collection: 02/21/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANN ARBOR GARAGE (GEOLOC M65121) (Continued)

U000266458

Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 10000
Install Date: 05/08/1958
Product: Gasoline
Remove Date: 11/01/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 275
Install Date: 05/08/1958
Product: LUBE
Remove Date: 11/01/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 275
Install Date: 05/08/1958
Product: Used Oil
Remove Date: 11/01/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 275
Install Date: 05/08/1958
Product: ANTIFREEZE
Remove Date: 11/01/1989
Tank Release Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANN ARBOR GARAGE (GEOLOC M65121) (Continued)

U000266458

Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 275
Install Date: 05/08/1958
Product: SOLVENTS
Remove Date: 11/01/1989
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 10000
Install Date: 01/01/1990
Product: Gasoline
Remove Date: 10/07/2003
Tank Release Detection: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Inventory Control
Pipe Release Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping
Piping Material: Double Walled, Fiberglass reinforced plastic
Piping Type: Gravity Fed?
Construction Material: Double Walled, Fiberglass Reinforced plastic
Impressed Device: No

WDS:
Site Id: MID981954365
WMD Id: 400542
Site Specific Name: AMERITECH CORP M65121
Mailing Address: 36 SOUTH FAIRVIEW AVE
Mailing City/State/Zip: 60068
Mailing County: Not reported

**B8
NE
1/8-1/4
0.202 mi.
1067 ft.**

**2280 W LIBERTY ST
ANN ARBOR, MI 48103
Site 1 of 3 in cluster B**

**EDR US Hist Auto Stat 1015342365
N/A**

**Relative:
Lower** EDR Historical Auto Stations:
Name: CONVENIENCE AUTO SERVICE
Year: 2006
**Actual:
937 ft.** Address: 2280 W LIBERTY ST
Name: CONVENIENCE AUTO SERVICE
Year: 2007

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

1015342365

Address: 2280 W LIBERTY ST

Name: CONVENIENCE AUTO SERVICE
 Year: 2008
 Address: 2280 W LIBERTY ST

Name: CONVENIENCE AUTO SERVICE
 Year: 2009
 Address: 2280 W LIBERTY ST

Name: CONVENIENCE AUTO SVC
 Year: 2010
 Address: 2280 W LIBERTY ST

Name: CONVENIENCE AUTO SERVICE
 Year: 2011
 Address: 2280 W LIBERTY ST

Name: CONVENIENCE AUTO SERVICE
 Year: 2012
 Address: 2280 W LIBERTY ST

B9
NE
 1/8-1/4
 0.203 mi.
 1071 ft.

CONVENIENCE AUTO SERVICE
2280 W LIBERTY ST
ANN ARBOR, MI 48103
Site 2 of 3 in cluster B

RCRA-CESQG **1000375809**
FINDS **MID086752433**

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 03/01/2004
 Facility name: CONVENIENCE AUTO SERVICE
 Facility address: 2280 W LIBERTY ST
 ANN ARBOR, MI 48103
 EPA ID: MID086752433
 Contact: LOU LIPPERT
 Contact address: 2280 W LIBERTY ST
 ANN ARBOR, MI 48103

Actual:
937 ft.

Contact country: US
 Contact telephone: (734) 769-0170
 Contact email: Not reported
 EPA Region: 05
 Classification: Conditionally Exempt Small Quantity Generator
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONVENIENCE AUTO SERVICE (Continued)

1000375809

Owner/Operator Summary:

Owner/operator name: CONVENIENCE AUTO SERVICE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/01/2004
Owner/Op end date: Not reported

Owner/operator name: CONVENIENCE AUTO SERVICE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/01/2004
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 12/31/2001
Facility name: CONVENIENCE AUTO SERVICE
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/26/1986
Facility name: CONVENIENCE AUTO SERVICE
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONVENIENCE AUTO SERVICE (Continued)

1000375809

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003606848

Environmental Interest/Information System

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10
West
1/8-1/4
0.207 mi.
1094 ft.

LIBERTY PUMPING STATION
2675 WEST LIBERTY
ANN ARBOR, MI 48107

UST U000266298
N/A

Relative:
Lower

UST:

Actual:
966 ft.

Facility ID: 00010240
Facility Type: CLOSED
Latitude: 42.27252
Longitude: -83.78397
Owner Name: CITY OF ANN ARBOR
Owner Address: PO BOX 8647 100 N FIFTH AVE
Owner City,St,Zip: ANN ARBOR, MI 48107
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 794-6000
Contact: DANIEL J. CULLEN
Contact Phone: (734) 994-6696
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 550
Install Date: 03/17/1972
Product: Diesel
Remove Date: 09/15/1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

11
SE
1/8-1/4
0.215 mi.
1136 ft.

SELECT RIDE INC
2050 COMMERCE BLVD
ANN ARBOR, MI 48103

UST **U000266246**
N/A

Relative:
Lower

UST:

Actual:
956 ft.

Facility ID: 00034324
Facility Type: ACTIVE
Latitude: 42.27019
Longitude: -83.77719
Owner Name: SELECT RIDE INC
Owner Address: 2050 COMMERCE
Owner City,St,Zip: ANN ARBOR, MI 48103
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 663-3795
Contact: Doris Wunderlich
Contact Phone: (734) 663-3795
Date of Collection: 03/16/2004
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: Currently In Use
Capacity: 12000
Install Date: 01/01/1990
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Inventory Control
Pipe Release Detection: Automatic Line Leak Detectors,Interstitial Monitoring/Second Containment
Piping Material: Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 2
Tank Status: Currently In Use
Capacity: 550
Install Date: 01/01/1990
Product: Used Oil
Remove Date: Not reported
Tank Release Detection: Inter Monitoring/Second Containment
Pipe Release Detection: Interstitial Monitoring/Second Containment,Line Tightness Testing
Piping Material: Fiberglass reinforced plastic
Piping Type: Gravity Fed?
Construction Material: Double Walled,Polyethylene Tank Jacket
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

12 **BIG M CAR WASH**
ENE 2151 STADIUM
1/8-1/4 ANN ARBOR, MI 48106
0.216 mi.
1138 ft.

LUST U000266258
UST N/A

Relative:
Lower

LUST:

Facility ID: 00010217
Source: STATE OF MICHIGAN
Owner Name: Gallup Properties
Owner Address: PO Box 1325
Owner City,St,Zip: Ann Arbor, MI 48106-1325
Owner Contact: Charles Gallup
Owner Phone: (734) 769-7160
Country: USA
District: Jackson District Office
Site Name: Big M Car Wash
Latitude: 42.27265
Longitude: -83.77655
Date of Collection: 09/24/2003
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1274-94
Release Date: 10/24/1994
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00010217
Facility Type: ACTIVE
Latitude: 42.27265
Longitude: -83.77655
Owner Name: GALLUP PROPERTIES
Owner Address: PO BOX 1325
Owner City,St,Zip: ANN ARBOR, MI 48106-1325
Owner Country: USA
Owner Contact: Charles Gallup
Owner Phone: (734) 769-7160
Contact: Steve Scovel
Contact Phone: (734) 974-3988
Date of Collection: 09/24/2003
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: Closed in Ground
Capacity: 6000
Install Date: 04/23/1965
Product: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIG M CAR WASH (Continued)

U000266258

Remove Date: 05/02/2008
Tank Release Detection: Automatic Tank Gauging, Inventory Control, Tank Tightness Testing
Pipe Release Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping
Piping Material: Double Walled, Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Asphalt Coated or Bare Steel, Lined Interior
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 6000
Install Date: 04/23/1965
Product: Gasoline
Remove Date: 05/02/2008
Tank Release Detection: Automatic Tank Gauging, Inventory Control, Tank Tightness Testing
Pipe Release Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping
Piping Material: Double Walled, Fiberglass reinforced plastic, Galvanized Steel
Piping Type: Pressure
Construction Material: Asphalt Coated or Bare Steel, Lined Interior
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 6000
Install Date: 04/23/1965
Product: Gasoline
Remove Date: 05/02/2008
Tank Release Detection: Automatic Tank Gauging, Inventory Control, Tank Tightness Testing
Pipe Release Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping
Piping Material: Double Walled, Fiberglass reinforced plastic, Galvanized Steel
Piping Type: Pressure
Construction Material: Asphalt Coated or Bare Steel, Lined Interior
Impressed Device: No

Tank ID: 4
Tank Status: Currently In Use
Capacity: 8000
Install Date: 05/14/2008
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Manual Tank Gauging, Tank Tightness Testing, Inventory Control, Automatic Tank Gauging, Vapor Monitoring, Interstitial Monitoring Double Walled Tank
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Construction Material: Epoxy Coated Steel
Impressed Device: No

Tank ID: 5

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIG M CAR WASH (Continued)

U000266258

Tank Status: **Currently In Use**
Capacity: 8000
Install Date: 05/14/2008
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Manual Tank Gauging, Tank Tightness Testing, Inventory Control, Automatic Tank Gauging, Vapor Monitoring, Interstitial Monitoring
Double Walled Tank
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Construction Material: Epoxy Coated Steel
Impressed Device: No

13
ENE
1/8-1/4
0.216 mi.
1141 ft.

VICTORY LANE QUICK OIL
2185 W STADIUM BLVD
ANN ARBOR, MI 48103

LUST U001148399
UST N/A
AIRS
WDS

Relative:
Lower

LUST:
Facility ID: 00037027
Source: STATE OF MICHIGAN
Owner Name: Derrick B Oxender
Owner Address: 405 LITTLE LAKE DR
Owner City,St,Zip: ANN ARBOR, MI 48103
Owner Contact: Not reported
Owner Phone: (313) 996-1196
Country: USA
District: Jackson District Office
Site Name: Victory Lane Quick Oil
Latitude: 42.27390
Longitude: -83.77684
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
935 ft.

Leak Number: C-0964-99
Release Date: 09/15/1999
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 12/08/1999

UST:
Facility ID: 00037027
Facility Type: CLOSED
Latitude: 42.27390
Longitude: -83.77684
Owner Name: DERRICK B OXENDER
Owner Address: 405 LITTLE LAKE DR
Owner City,St,Zip: ANN ARBOR, MI 48103
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 996-1196

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORY LANE QUICK OIL (Continued)

U001148399

Contact: DERRICK B OXENDER
Contact Phone: (734) 996-1196
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: 01/01/1975
Product: Used Oil
Remove Date: 09/14/1999
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?
Construction Material: Epoxy Coated Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: 01/01/1975
Product: Used Oil
Remove Date: 09/15/1999
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?
Construction Material: Epoxy Coated Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: Not reported
Product: UNK
Remove Date: 09/15/1999
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORY LANE QUICK OIL (Continued)

U001148399

Product: UNK
Remove Date: 09/20/1999
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

AIRS:

El Year: 1994
State Registration Number: N3334
Naics Code: Not reported
Contact Name: Not reported
Contact Phone: Not reported
Contact Address: Not reported
Contact City,St,Zip: Not reported
Permit Number: Not reported
Date Received: Not reported
State Registration Number: N3334
Country: Not reported
Application Reason: Not reported
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: 7538
Tribal Code: Not reported
Supplemental Location Text: Not reported
Dun & Brad Street Number: Not reported
Business Name: VICTORY LANE QUICK OIL CHANGE
Principal Product: AUTOMOBILE SERVICE
Principal Product Description: QUICK OIL CHANGE
UTM Zone (Geo Coordinates Universal Transverse Mercator System): 17
UTM Horizontal Coord: 273900
UTM Vertical Coord: 4682000
Mailing Name: VICTORY LANE QUICK OIL CHANGE
Mailing Contact Person: STEPHEN MCCOY
Mailing Street: 2610 W LIBERTY
Mailing City: ANN ARBOR
Mailing State: MI
Mailing Zip: 48103
Mailing Zip 4 Extension: Not reported
Compliance Person: STEPHEN MCCOY
Compliance Area Code: 313
Compliance Phone Number: 9961196
Emission Inventory Contact Person: DERRICK OXENDER
El Contact Area Code: 313
El Contact Phone Number: 9961196
Permit Contact Person: STEPHEN MCCOY
Permit Contact Person Area Code: 313
Permit Contact Person Phone Number: 9961196
Federal Employer Id Number: 382722174
Of Employees: 10
Reporting Year: 1995
Date Record Was Created: 1992-06-26 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORY LANE QUICK OIL (Continued)

U001148399

WDS:

Site Id: MIG000021029
WMD Id: 452732
Site Specific Name: QUICK OIL CHANGE
Mailing Address: 2185 W STADIUM BLVD
Mailing City/State/Zip: 48103
Mailing County: WASHTENAW

B14
NE
1/8-1/4
0.222 mi.
1171 ft.

UNKNOWN
2196 WEST STADIUM BOULEVARD
ANN ARBOR CITY, MI 48103

BEA S113193135
N/A

Site 3 of 3 in cluster B

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 1221
District: Jackson
Date Received: 02/12/2013
Submitter Name: GFS Marketplace Realty Five, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: hameld
Division Assigned: RRD

Actual:
935 ft.

C15
East
1/8-1/4
0.224 mi.
1183 ft.

WOODWARD DETROIT CVS LLC
2100 W STADIUM BLVD
ANN ARBOR, MI 48103

RCRA-SQG 1014954914
MIK405993789

Site 1 of 4 in cluster C

Relative:
Lower

RCRA-SQG:

Date form received by agency: 05/16/2012
Facility name: WOODWARD DETROIT CVS LLC
Facility address: 2100 W STADIUM BLVD
ANN ARBOR, MI 48103
EPA ID: MIK405993789
Mailing address: ONE CVS DR
WOONSOCKET, RI 02895
Contact: WENDY L BRANT
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (401) 765-1500
Contact email: WENDY.BRANT@CVSCAREMARK.COM
EPA Region: 05
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
928 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODWARD DETROIT CVS LLC (Continued)

1014954914

Owner/Operator Summary:

Owner/operator name: WOODWARD DETROIT CVS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/14/2007
Owner/Op end date: Not reported

Owner/operator name: WOODWARD DETROIT CVS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/14/2007
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

Hazardous Waste Summary:

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

Violation Status: No violations found

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

C16
East
1/8-1/4
0.224 mi.
1183 ft.

SESI LINCOLN MERCURY INC
2100 W STADIUM BLVD
ANN ARBOR, MI 48103
Site 2 of 4 in cluster C

RCRA NonGen / NLR
FINDS
LUST
UST
BEA
WDS

1000289577
MID067353441

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 12/23/2004

Actual:
928 ft.

Facility name: SESI LINCOLN MERCURY INC

Facility address: 2100 W STADIUM BLVD

ANN ARBOR, MI 48103

EPA ID: MID067353441

Contact: CHRIS BALDERRAMA

Contact address: 2100 W STADIUM BLVD

ANN ARBOR, MI 48103

Contact country: US

Contact telephone: (734) 668-6100

Contact email: Not reported

EPA Region: 05

Land type: Other land type

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 12/24/2004

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 12/24/2004

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SESI LINCOLN MERCURY INC (Continued)

1000289577

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

Historical Generators:

Date form received by agency: 07/15/2004
Facility name: SESI LINCOLN MERCURY INC
Classification: Small Quantity Generator

Date form received by agency: 04/10/2003
Facility name: SESI LINCOLN MERCURY INC
Classification: Small Quantity Generator

Date form received by agency: 07/21/1993
Facility name: SESI LINCOLN MERCURY INC
Classification: Small Quantity Generator

Date form received by agency: 11/24/1986
Facility name: SESI LINCOLN MERCURY INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-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 - Pre-transport
Date violation determined: 07/17/2000
Date achieved compliance: 08/28/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/17/2000
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: 07/12/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/28/2000
Evaluation lead agency: State

Evaluation date: 06/25/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SESI LINCOLN MERCURY INC (Continued)

1000289577

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003601978

Environmental Interest/Information System

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

LUST:

Facility ID: 00010641
Source: STATE OF MICHIGAN
Owner Name: Ford Leasing Development Co
Owner Address: The American Rd
Owner City,St,Zip: Detroit, MI 48216
Owner Contact: Not reported
Owner Phone: (313) 323-8048
Country: USA
District: Jackson District Office
Site Name: Apollo Lincoln Mercury
Latitude: 42.27341
Longitude: -83.77610
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-0001-89
Release Date: 10/29/1991
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 10/05/1993

Leak Number: C-2327-91
Release Date: 10/29/1991
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 10/10/1996

UST:

Facility ID: 00010641
Facility Type: CLOSED
Latitude: 42.27341
Longitude: -83.77610
Owner Name: FORD LEASING DEVELOPMENT CO
Owner Address: THE AMERICAN RD
Owner City,St,Zip: DETROIT, MI 48216

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SESI LINCOLN MERCURY INC (Continued)

1000289577

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 323-8048
Contact: HENRY AUGUSTAITIS
Contact Phone: (734) 464-7287
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 2000
Install Date: 05/03/1967
Product: Used Oil
Remove Date: 12/20/1988
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 550
Install Date: 05/03/1967
Product: BULK OIL
Remove Date: 10/29/1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

BEA:
Secondary Address: Not reported
BEA Number: 856
District: Jackson
Date Received: 12/17/2007
Submitter Name: SCP 2007-C27-058 LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: hisket
Division Assigned: Storage Tank Division

Secondary Address: Not reported
BEA Number: 637
District: Jackson

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SESI LINCOLN MERCURY INC (Continued)

1000289577

Date Received: 06/28/2005
Submitter Name: 2100 Stadium Ventures LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: katkov
Division Assigned: Storage Tank Division

WDS:

Site Id: MID067353441
WMD Id: 396893
Site Specific Name: SESI LINCOLN MERCURY VOLVO
Mailing Address: 2100 W STADIUM BLVD
Mailing City/State/Zip: 48103
Mailing County: WASHTENAW

Site Id: MIK405993789
WMD Id: 491138
Site Specific Name: CVS PHARMACY #8088
Mailing Address: ONE CVS DR
Mailing City/State/Zip: 2895
Mailing County: Not reported

C17
East
1/8-1/4
0.225 mi.
1188 ft.

MARATHON UNIT #1108
W STADIUM & LIBERTY
ANN ARBOR, MI 45840
Site 3 of 4 in cluster C

UST U003834070
N/A

Relative:
Lower

UST:

Facility ID: 00021599
Facility Type: ACTIVE
Latitude: 42.27418
Longitude: -83.77685
Owner Name: MARATHON PETROLEUM COMPANY LP
Owner Address: 539 S MAIN ST
Owner City,St,Zip: FINDLAY, OH 45840
Owner Country: USA
Owner Contact: TT&M HES&S
Owner Phone: (419) 421-2121
Contact: W.T. SLADE
Contact Phone: (313) 444-1900
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Temporarily out of Use
Capacity: 30
Install Date: 05/08/1971
Product: LUBE OIL

Actual:
928 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARATHON UNIT #1108 (Continued)

U003834070

Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Temporarily out of Use
Capacity: 30
Install Date: 05/08/1971
Product: LUBE OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

C18
East
1/8-1/4
0.225 mi.
1188 ft.

N PART OF 2100 W STADIUM
ANN ARBOR CITY, MI 48103
Site 4 of 4 in cluster C

BEA S108236640
N/A

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 774
District: Jackson
Date Received: 10/12/2006
Submitter Name: Arbor Drugs Inc
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: englishc
Division Assigned: Storage Tank Division

Actual:
928 ft.

Secondary Address: Not reported
BEA Number: 775
District: Jackson
Date Received: 10/12/2006
Submitter Name: CVS 8009 MI LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: englishc
Division Assigned: Storage Tank Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D19
East
1/8-1/4
0.236 mi.
1246 ft.

2095 W STADIUM
ANN ARBOR TOWNSHIP, MI

Site 1 of 9 in cluster D

BEA S110055359
N/A

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 65
District: Jackson
Date Received: 04/16/1997
Submitter Name: Naylor Chrysler Plymouth Jeep Eagle
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: temppm
Division Assigned: Storage Tank Division

Actual:
926 ft.

D20
East
1/8-1/4
0.236 mi.
1246 ft.

LARRYS SUNOCO
2095 W STADIUM BLVD
ANN ARBOR, MI 48104

Site 2 of 9 in cluster D

LUST U000266249
UST N/A
AIRS

Relative:
Lower

LUST:

Facility ID: 00018986
Source: STATE OF MICHIGAN
Owner Name: Larrys Sunoco Inc
Owner Address: 2095 W STADIUM BLVD
Owner City,St,Zip: ANN ARBOR, MI 48104
Owner Contact: Not reported
Owner Phone: (312) 761-3780
Country: USA
District: Jackson District Office
Site Name: Larrys Complete Auto
Latitude: 42.27290
Longitude: -83.77617
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
926 ft.

Leak Number: C-1794-91
Release Date: 08/30/1991
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 07/11/1997

UST:

Facility ID: 00018986
Facility Type: CLOSED
Latitude: 42.27290
Longitude: -83.77617
Owner Name: LARRYS SUNOCO INC
Owner Address: 2095 W STADIUM BLVD
Owner City,St,Zip: ANN ARBOR, MI 48104

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LARRYS SUNOCO (Continued)

U000266249

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (312) 761-3780
Contact: SANDY SORINI
Contact Phone: (734) 761-3780
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 6000
Install Date: 04/29/1971
Product: Gasoline
Remove Date: 09/23/1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 6000
Install Date: 04/29/1971
Product: Gasoline
Remove Date: 09/23/1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 10000
Install Date: 04/29/1971
Product: Gasoline
Remove Date: 09/23/1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LARRYS SUNOCO (Continued)

U000266249

Tank Status: Removed from Ground
Capacity: 500
Install Date: 04/29/1971
Product: Used Oil
Remove Date: 09/23/1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 9
Tank Status: Removed from Ground
Capacity: 10000
Install Date: 09/26/1991
Product: Gasoline
Remove Date: 03/01/1997
Tank Release Detection: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Inter Monitoring/Second Containment, Inventory Control, Manual Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping, Interstitial Monitoring/Second Containment
Piping Material: Double Walled, Fiberglass reinforced plastic, Secondary Containment
Piping Type: Pressure
Construction Material: Composite(Steel w/Fiberglass), Double Walled
Impressed Device: No

Tank ID: 10
Tank Status: Removed from Ground
Capacity: 8000
Install Date: 09/26/1991
Product: Diesel
Remove Date: 03/07/1997
Tank Release Detection: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Inter Monitoring/Second Containment, Inventory Control, Manual Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping, Interstitial Monitoring/Second Containment
Piping Material: Double Walled, Fiberglass reinforced plastic, Secondary Containment
Piping Type: Pressure
Construction Material: Composite(Steel w/Fiberglass), Double Walled
Impressed Device: No

Tank ID: 11
Tank Status: Removed from Ground
Capacity: 8000
Install Date: 09/26/1991
Product: Gasoline
Remove Date: 03/01/1997
Tank Release Detection: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Inter Monitoring/Second Containment, Inventory Control, Manual Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping, Interstitial Monitoring/Second Containment
Piping Material: Double Walled, Fiberglass reinforced plastic, Secondary Containment
Piping Type: Pressure

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LARRYS SUNOCO (Continued)

U000266249

Construction Material: Composite(Steel w/Fiberglass),Double Walled
Impressed Device: No

AIRS:

El Year: 1995
State Registration Number: N5176
Naics Code: Not reported
Contact Name: Not reported
Contact Phone: Not reported
Contact Address: Not reported
Contact City,St,Zip: Not reported
Permit Number: Not reported
Date Received: Not reported
State Registration Number: N5176
Country: Not reported
Application Reason: Not reported
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: 8711
Tribal Code: Not reported
Supplemental Location Text: Not reported
Dun & Brad Street Number: Not reported
Business Name: LARRY'S SUNOCO
Principal Product: FORMER GAS STATION SOIL CLEANING SYSTEM
Principal Product Description: AIR SPARGING/VAPOR EXTRACTION FILT
UTM Zone (Geo Coordinates Universal Transverse Mercator System): 17
UTM Horizontal Coord: 274000
UTM Vertical Coord: 4682000
Mailing Name: RODMAN LONGLEY & DAHLING
Mailing Contact Person: SANDRA L SORINI
Mailing Street: 110 MILLER SUITE 300
Mailing City: ANN ARBOR
Mailing State: MI
Mailing Zip: 48104
Mailing Zip 4 Extension: Not reported
Compliance Person: THOMAS F GROVER
Compliance Area Code: 810
Compliance Phone Number: 2298872
Emission Inventory Contact Person: THOMAS F GROVER
El Contact Area Code: 810
El Contact Phone Number: 2298872
Permit Contact Person: THOMAS F GROVER
Permit Contact Person Area Code: 810
Permit Contact Person Phone Number: 2298872
Federal Employer Id Number: Not reported
Of Employees: 0
Reporting Year: 1995
Date Record Was Created: 1994-04-11 00:00:00

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

D21
East
1/8-1/4
0.236 mi.
1246 ft.

SUN OIL CO
2095 W STADIUM BLVD
ANN ARBOR, MI 48103
Site 3 of 9 in cluster D

BEA **S109171420**
WDS **N/A**

Relative:
Lower

BEA:
 Secondary Address: Not reported
 BEA Number: 918
 District: Jackson
 Date Received: 08/12/2008
 Submitter Name: IHS Automotive
 Petition Determination: No Request
 Petition Disclosure: 0
 Category: Same Hazardous Substance(s)
 Determination 20107A: No Request
 Reviewer: hisket
 Division Assigned: Storage Tank Division

Actual:
926 ft.

WDS:
 Site Id: MIG000020112
 WMD Id: 453093
 Site Specific Name: SUN OIL CO
 Mailing Address: 2095 W STADIUM BLVD
 Mailing City/State/Zip: 48103
 Mailing County: WASHTENAW

D22
East
1/8-1/4
0.236 mi.
1246 ft.

US POSTAL SERVICE
2075 W STADIUM BLVD
ANN ARBOR, MI 48103
Site 4 of 9 in cluster D

RCRA-CESQG **1001220069**
FINDS **MI5180090438**

Relative:
Lower

RCRA-CESQG:
 Date form received by agency: 12/09/1991
 Facility name: US POSTAL SERVICE
 Facility address: 2075 W STADIUM BLVD
 ANN ARBOR, MI 48103
 EPA ID: MI5180090438
 Contact: KARL KARNAY
 Contact address: 2075 W STADIUM BLVD
 ANN ARBOR, MI 48103
 Contact country: US
 Contact telephone: (313) 226-8656
 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

Actual:
926 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US POSTAL SERVICE (Continued)

1001220069

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

Owner/Operator Summary:

Owner/operator name: US POSTAL SERVICE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: US POSTAL SERVICE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Federal
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

Hazardous Waste Summary:

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

Violation Status: No violations found

FINDS:

Registry ID: 110003572376

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US POSTAL SERVICE (Continued)

1001220069

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.

D23
East
1/8-1/4
0.236 mi.
1246 ft.

US POSTAL SERVICE
2075 W STADIUM BLVD
ANN ARBOR, MI 48106
Site 5 of 9 in cluster D

RCRA NonGen / NLR **1010415541**
MIR000030288

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 02/09/1998
Facility name: US POSTAL SERVICE
Facility address: 2075 W STADIUM BLVD
ANN ARBOR, MI 48106
EPA ID: MIR000030288
Contact: KARL KARNAY
Contact address: 2075 W STADIUM BLVD
ANN ARBOR, MI 48106
Contact country: US
Contact telephone: (313) 226-8656
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
926 ft.

Owner/Operator Summary:

Owner/operator name: US POSTAL SERVICE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: US POSTAL SERVICE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Federal
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US POSTAL SERVICE (Continued)

1010415541

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

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

Violation Status: No violations found

D24
East
1/8-1/4
0.236 mi.
1246 ft.

USPS
2075 W STADIUM BLVD
ANN ARBOR, MI 48103
Site 6 of 9 in cluster D

LUST 1000531270
UST N/A
WDS

Relative:
Lower
Actual:
926 ft.

LUST:
Facility ID: 00010206
Source: STATE OF MICHIGAN
Owner Name: United States Postal Service
Owner Address: 222 S Riverside Plaza Suite #1200
Owner City, St, Zip: Chicago, IL 60606-5902
Owner Contact: Not reported
Owner Phone: (312) 669-5960
Country: USA
District: Jackson District Office
Site Name: Usps
Latitude: 42.27217
Longitude: -83.77569
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-0291-97
Release Date: 05/15/1997
Substance Released: Gasoline, Unknown
Release Status: Closed
Release Closed Date: 08/27/1997

UST:
Facility ID: 00010206

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USPS (Continued)

1000531270

Facility Type: CLOSED
Latitude: 42.27217
Longitude: -83.77569
Owner Name: UNITED STATES POSTAL SERVICE
Owner Address: 222 S RIVERSIDE PLAZASUITE #1200
Owner City,St,Zip: CHICAGO, IL 60606-5902
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (312) 669-5960
Contact: KARL KARNAY
Contact Phone: (313) 226-8656
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 6000
Install Date: 04/12/1959
Product: Gasoline
Remove Date: 01/01/1988
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring/Second Containment
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 250
Install Date: 04/12/1959
Product: Used Oil
Remove Date: 05/05/1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 10000
Install Date: 01/01/1989
Product: Gasoline
Remove Date: 05/05/1997
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring/Second Containment
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USPS (Continued)

1000531270

Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

WDS:

Site Id: MIR000030288
WMD Id: 412181
Site Specific Name: US POSTAL SERVICE
Mailing Address: 2075 W STADIUM BLVD
Mailing City/State/Zip: 48106
Mailing County: WASHTENAW

Site Id: MI5180090438
WMD Id: 391948
Site Specific Name: US POSTAL SERVICE ANN ARBOR VEHICLE MAIN FAC
Mailing Address: 2075 W STADIUM BLVD
Mailing City/State/Zip: 48103
Mailing County: WASHTENAW

D25
East
1/8-1/4
0.236 mi.
1246 ft.

IHS AUTOMOTIVE GROUP
2060 W STADIUM BLVD
ANN ARBOR, MI 48103

RCRA-SQG **1000290676**
FINDS **MID091949537**

Site 7 of 9 in cluster D

Relative:
Lower

RCRA-SQG:

Date form received by agency: 06/18/2012
Facility name: IHS AUTOMOTIVE GROUP
Facility address: 2060 W STADIUM BLVD
ANN ARBOR, MI 48103
EPA ID: MID091949537
Contact: RONNAPAT DHITIROJANA
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (734) 662-3175
Contact email: RDHITIROJANA@ANNARBORCHRYSLER.COM
EPA Region: 05
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
926 ft.

Owner/Operator Summary:

Owner/operator name: JOSEPH V GILMOUR
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/09/2008
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IHS AUTOMOTIVE GROUP (Continued)

1000290676

Owner/operator name: JOSEPH V GILMOUR
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/09/2008
Owner/Op end date: Not reported

Owner/operator name: BENN GILMORE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/09/2008
Owner/Op end date: Not reported

Owner/operator name: BENN GILMORE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/09/2008
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

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

Historical Generators:

Date form received by agency: 04/15/2010
Facility name: IHS AUTOMOTIVE GROUP
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IHS AUTOMOTIVE GROUP (Continued)

1000290676

Date form received by agency: 05/02/2008
Facility name: IHS AUTOMOTIVE GROUP
Classification: Small Quantity Generator

Date form received by agency: 08/08/2006
Facility name: IHS AUTOMOTIVE GROUP
Classification: Small Quantity Generator

Date form received by agency: 03/16/2005
Facility name: IHS AUTOMOTIVE GROUP
Classification: Small Quantity Generator

Date form received by agency: 10/06/1986
Facility name: IHS AUTOMOTIVE GROUP
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A 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 - Pre-transport
Date violation determined: 07/07/2011
Date achieved compliance: 12/06/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 07/07/2011
Date achieved compliance: 09/28/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2011
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IHS AUTOMOTIVE GROUP (Continued)

1000290676

Area of violation: LDR - General
Date violation determined: 07/07/2011
Date achieved compliance: 12/06/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/28/2011
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: 07/07/2011
Date achieved compliance: 12/06/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2011
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: 07/07/2011
Date achieved compliance: 12/06/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 07/07/2011
Date achieved compliance: 12/06/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/28/2011
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: Used Oil - Generators

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IHS AUTOMOTIVE GROUP (Continued)

1000290676

Date violation determined: 07/07/2011
Date achieved compliance: 09/28/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2011
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: 07/07/2011
Date achieved compliance: 12/06/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/28/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 07/07/2011
Date achieved compliance: 12/06/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2011
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: 07/07/2011
Date achieved compliance: 12/06/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/28/2011
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: 01/09/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IHS AUTOMOTIVE GROUP (Continued)

1000290676

Date achieved compliance: 02/28/2002
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 01/09/2002
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: 06/22/2001
Date achieved compliance: 02/28/2002
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 01/09/2002
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: 06/22/2001
Date achieved compliance: 02/28/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/22/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/10/1993
Date achieved compliance: 10/09/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/14/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/10/1993
Date achieved compliance: 10/09/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IHS AUTOMOTIVE GROUP (Continued)

1000290676

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/12/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 07/07/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 12/06/2011
Evaluation lead agency: State

Evaluation date: 07/07/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 12/06/2011
Evaluation lead agency: State

Evaluation date: 07/07/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 09/28/2011
Evaluation lead agency: State

Evaluation date: 07/07/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 12/06/2011
Evaluation lead agency: State

Evaluation date: 07/07/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 12/06/2011
Evaluation lead agency: State

Evaluation date: 07/07/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 09/28/2011
Evaluation lead agency: State

Evaluation date: 01/07/2002
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Pre-transport
Date achieved compliance: 02/28/2002
Evaluation lead agency: State

Evaluation date: 06/14/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 02/28/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IHS AUTOMOTIVE GROUP (Continued)

1000290676

Evaluation lead agency: State

Evaluation date: 09/10/1993
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: 10/09/1993
Evaluation lead agency: State

FINDS:

Registry ID: 110003607687

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.

D26
East
1/8-1/4
0.236 mi.
1246 ft.

COMMERCIAL PROPERTY
2060 W STADIUM
ANN ARBOR CITY, MI 48103

BEA S109171419
WDS N/A

Site 8 of 9 in cluster D

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 919
District: Jackson
Date Received: 08/12/2008
Submitter Name: IHS Automotive
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: hisket
Division Assigned: Storage Tank Division

Actual:
926 ft.

WDS:

Site Id: MID091949537
WMD Id: 397776
Site Specific Name: CHRYSLER JEEP OF ANN ARBOR
Mailing Address: 2060 W STADIUM BLVD
Mailing City/State/Zip: 48103
Mailing County: WASHTENAW

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

D27 **NAYLOR MOTOR SALES INC**
East **2060 W STADIUM BLVD**
1/8-1/4 **ANN ARBOR, MI 48103**
0.236 mi.
1246 ft. **Site 9 of 9 in cluster D**

LUST **U002303286**
UST **N/A**

Relative:
Lower

LUST:
Facility ID: 00014935
Source: STATE OF MICHIGAN
Owner Name: Naylor Motor Sales Inc
Owner Address: 2060 W Stadium Blvd
Owner City,St,Zip: Ann Arbor, MI 48103-4558
Owner Contact: Not reported
Owner Phone: (734) 662-3175
Country: USA
District: Jackson District Office
Site Name: Naylor Motor Sales Inc
Latitude: 42.27179
Longitude: -83.77502
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
926 ft.

Leak Number: C-0050-89
Release Date: 02/27/1989
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 04/14/1997

Leak Number: C-1479-93
Release Date: 11/22/1993
Substance Released: Used Oil
Release Status: Closed
Release Closed Date: 04/14/1997

UST:
Facility ID: 00014935
Facility Type: CLOSED
Latitude: 42.27179
Longitude: -83.77502
Owner Name: NAYLOR MOTOR SALES INC
Owner Address: 2060 W STADIUM BLVD
Owner City,St,Zip: ANN ARBOR, MI 48103-4558
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 662-3175
Contact: JAMES A NEIDERT
Contact Phone: (734) 662-3175
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAYLOR MOTOR SALES INC (Continued)

U002303286

Tank ID: 8
Tank Status: Removed from Ground
Capacity: 500
Install Date: 04/29/1985
Product: Used Oil
Remove Date: 07/17/1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 9
Tank Status: Removed from Ground
Capacity: 1000
Install Date: 04/29/1966
Product: Gasoline
Remove Date: 07/17/1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 10
Tank Status: Removed from Ground
Capacity: 600
Install Date: 10/16/1984
Product: Used Oil
Remove Date: 11/18/1993
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?
Construction Material: Composite(Steel w/Fiberglass)
Impressed Device: No

E28
NE
1/8-1/4
0.245 mi.
1293 ft.

2245 W STADIUM
ANN ARBOR CITY, MI
Site 1 of 2 in cluster E

BEA S110055360
N/A

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 163
District: Jackson
Date Received: 01/15/1999
Submitter Name: Leo Fox
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: hsket

Actual:
933 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S110055360

Division Assigned: Storage Tank Division

Secondary Address: Not reported
BEA Number: 555
District: Jackson
Date Received: 06/16/2004
Submitter Name: KFC US Properties Inc
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: hisket
Division Assigned: Storage Tank Division

Secondary Address: Not reported
BEA Number: 796
District: Jackson
Date Received: 01/16/2007
Submitter Name: April Restaurants
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: hisket
Division Assigned: Storage Tank Division

E29
NE
1/8-1/4
0.245 mi.
1293 ft.

COMMERCIAL PROPERTY
2245 W STADIUM BLVD
ANN ARBOR, MI 48103
Site 2 of 2 in cluster E

LUST S103724115
N/A

Relative:
Lower

LUST:
Facility ID: 50002363
Source: STATE OF MICHIGAN
Owner Name: Nrt Owner
Owner Address: Unknown
Owner City,St,Zip: Unknown, MI 99999
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Jackson District Office
Site Name: Commercial Property
Latitude: 42.26123
Longitude: -83.71817
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-0060-99
Release Date: 01/19/1999
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

Actual:
933 ft.

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

F30 **NORTH STAR USA**
NNE **2275 W STADIUM BLVD**
1/4-1/2 **ANN ARBOR, MI 48103**
0.268 mi.
1414 ft. **Site 1 of 2 in cluster F**

LUST **U002303293**
UST **N/A**
BEA
WDS

Relative:
Lower

LUST:

Facility ID: 00009889
Source: STATE OF MICHIGAN
Owner Name: Abraham Marzban
Owner Address: 4500 Lohr Rd
Owner City,St,Zip: Ann Arbor, MI 48108
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Jackson District Office
Site Name: Clark Store #2132
Latitude: 42.27541
Longitude: -83.77805
Date of Collection: 10/21/2003
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0852-00
Release Date: 10/19/2000
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

Actual:
933 ft.

UST:

Facility ID: 00009889
Facility Type: ACTIVE
Latitude: 42.27541
Longitude: -83.77805
Owner Name: ABRAHAM MARZBAN
Owner Address: 4500 LOHR RD
Owner City,St,Zip: ANN ARBOR, MI 48108
Owner Country: USA
Owner Contact: Not reported
Owner Phone: Not reported
Contact: Abraham S Marzban
Contact Phone: (734) 761-4105
Date of Collection: 10/21/2003
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 8000
Install Date: 04/28/1970
Product: Diesel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH STAR USA (Continued)

U002303293

Remove Date: 08/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 8000
Install Date: 04/28/1970
Product: Gasoline
Remove Date: 08/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 8000
Install Date: 04/28/1970
Product: Gasoline
Remove Date: 08/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 8000
Install Date: 04/28/1970
Product: Gasoline
Remove Date: 08/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Currently In Use
Capacity: 2000
Install Date: 08/26/1987
Product: Kerosene
Remove Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH STAR USA (Continued)

U002303293

Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Construction Material: STIP 3, Cathodically Protected Steel
Impressed Device: No

Tank ID: 6
Tank Status: Currently In Use
Capacity: 8000
Install Date: 08/26/1987
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Construction Material: STIP3, Cathodically Protected Steel
Impressed Device: No

Tank ID: 7
Tank Status: Currently In Use
Capacity: 10000
Install Date: 08/26/1987
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 8
Tank Status: Currently In Use
Capacity: 8000
Install Date: 08/26/1987
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure, Pressure
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 9
Tank Status: Currently In Use
Capacity: 6000
Install Date: 08/26/1987
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH STAR USA (Continued)

U002303293

Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 10
Tank Status: Currently In Use
Capacity: 6000
Install Date: 06/20/2006
Product: Gasohol
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Release Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping
Piping Material: Double Walled, Flexible Piping
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic, Double Walled
Impressed Device: No

BEA:

Secondary Address: Not reported
BEA Number: 569
District: Jackson
Date Received: 09/02/2004
Submitter Name: Abraham Marzban
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: englishc
Division Assigned: Storage Tank Division

Secondary Address: Not reported
BEA Number: 570
District: Jackson
Date Received: 09/02/2004
Submitter Name: Charles A Gallup Revocable Living Trust
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: englishc
Division Assigned: Storage Tank Division

WDS:

Site Id: MID985620970
WMD Id: 405950
Site Specific Name: CLARK #2132
Mailing Address: 3003 BUTTERFIELD RD
Mailing City/State/Zip: 60523
Mailing County: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

F31 **DISCOUNT TIRE CO INC**
NNE **2270 W STADIUM BLVD**
1/4-1/2 **ANN ARBOR, MI 48103**
0.271 mi.
1429 ft. **Site 2 of 2 in cluster F**

LUST **U000266277**
UST **N/A**

Relative:
Lower

LUST:

Facility ID: 00033576
Source: STATE OF MICHIGAN
Owner Name: Discount Tire Co Inc
Owner Address: 2270 W Stadium Blvd
Owner City,St,Zip: Ann Arbor, MI 48103-3806
Owner Contact: Not reported
Owner Phone: (734) 769-2158
Country: USA
District: Jackson District Office
Site Name: Discount Tire
Latitude: 42.27545
Longitude: -83.77747
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
933 ft.

Leak Number: C-0532-89
Release Date: 09/15/1989
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 12/06/1994

UST:

Facility ID: 00033576
Facility Type: CLOSED
Latitude: 42.27545
Longitude: -83.77747
Owner Name: DISCOUNT TIRE CO INC
Owner Address: 2270 W STADIUM BLVD
Owner City,St,Zip: ANN ARBOR, MI 48103-3806
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 769-2158
Contact: JOHN J. QUIGLEY
Contact Phone: (734) 769-2158
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 1000
Install Date: Not reported
Product: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISCOUNT TIRE CO INC (Continued)

U000266277

Remove Date: 11/09/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: NONE
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

G32 **FORMER BUDDY'S MINI MART**
NNE **2315 W STADIUM BLVD**
1/4-1/2 **ANN ARBOR CITY, MI 48103**
0.313 mi.
1651 ft. **Site 1 of 3 in cluster G**

BEA **S110142485**
WDS **N/A**

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 1014
Actual:
District: Jackson
Date Received: 02/23/2010
Submitter Name: Stadium Property LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: hisket
Division Assigned: Storage Tank Division

Actual:
935 ft.

WDS:
Site Id: MID000666487
WMD Id: 392042
Site Specific Name: BUDDY'S MINI MART #15
Mailing Address: 744 E SOUTH ST
Mailing City/State/Zip: 49203
Mailing County: JACKSON

G33 **STADIUM GAS & MART**
NNE **2315 WEST STADIUM BOULEVARD**
1/4-1/2 **ANN ARBOR CITY, MI 48103**
0.313 mi.
1651 ft. **Site 2 of 3 in cluster G**

AUL **S109846910**
N/A

Relative:
Lower

AUL:
Status: Recorded
Site Name: Not reported
Actual:
Property: Stadium Gas & Mart
Land Use Restriction Type: RC
Program Type: Part 213
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 1/7/2011 10:42:09.657
Legal Description Of Property: Migrated
Based On The Deq Ref #: 11121304559
MDEQ Reference Number: RC-RRD-213-04-559
Property Or Description Restricted Area: Migrated
Lead Division: STD
File Name Of Hyperlinked Legal Doc: U:\KERMIT\11121304559.PDF
Mapped Polygons Area In Acres: 0.2046

Actual:
935 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STADIUM GAS & MART (Continued)

S109846910

Mapped Polygons Area In Square Miles: 2.999999999999997E-4
Date Data Entry Started: 3/18/2011 00:00:00
Date Data Entry Finished: 3/18/2011 00:00:00
Individual Or Staff Assoc With The Mapping: Nicholas Ekel
Program Used To Map Restricted Features: ArcINFO 9.3 & IcoMAP 4.2
Map Comments: 20110107 - LRUR is NOT mapped in KERMIT - Nick Ekel 20110318 - LRUR
is mapped in KERMIT - Nick Ekel
Request received on 7/16/2004
Comment:
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 3/19/2001 00:00:00
Commercial I Land Use Restriction: 0
Commercial Ii Land Use Restriction: 1
Commercial Iii Land Use Restriction: 1
Commercial Iv Land Use Restriction: 1
Industrial Land Use Restriction: 0
Residential Land Use Restriction: 0
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 0
Groundwater Consumption Restrictions: 0
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 0
Soil Movement Requirements: 0
There Is A Restriction On All Construction: 0
Monitoring Well Protected, No Tampering Or Removal: 0
There Is An Exposure Barrier In Place: 0
There Is A Health And Safety Plan: 0
There Is A Permanent Marker On The Site: 0

G34
NNE
1/4-1/2
0.321 mi.
1697 ft.

BUDDY'S MINI MART #15
2315 STADIUM BLVD
ANN ARBOR, MI 49203

LUST U000266279
UST N/A

Site 3 of 3 in cluster G

Relative:
Lower

LUST:

Actual:
936 ft.

Facility ID: 00002106
Source: STATE OF MICHIGAN
Owner Name: Pipeline Oil Sales Inc
Owner Address: 744 E South St
Owner City,St,Zip: Jackson, MI 49203-4462
Owner Contact: Not reported
Owner Phone: (517) 206-2850
Country: USA
District: Jackson District Office
Site Name: Buddy's Stadium BP
Latitude: 42.27630
Longitude: -83.77828
Date of Collection: 03/23/2004
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0035-00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUDDY'S MINI MART #15 (Continued)

U000266279

Release Date: 02/25/2000
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 03/22/2001

Leak Number: C-0093-00
Release Date: 01/25/2000
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 03/22/2001

Leak Number: C-0227-97
Release Date: 05/07/1997
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 11/09/1998

Leak Number: C-0435-85
Release Date: 10/01/1987
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 11/09/1998

UST:

Facility ID: 00002106
Facility Type: CLOSED
Latitude: 42.27630
Longitude: -83.77828
Owner Name: PIPELINE OIL SALES INC
Owner Address: 744 E SOUTH ST
Owner City,St,Zip: JACKSON, MI 49203-4462
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (517) 206-2850
Contact: Mr James Ahearn
Contact Phone: (517) 784-3400
Date of Collection: 03/23/2004
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 5000
Install Date: 04/25/1971
Product: Gasoline
Remove Date: 12/01/1987
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUDDY'S MINI MART #15 (Continued)

U000266279

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: 01/01/1986
Product: Gasoline
Remove Date: 12/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: 04/25/1971
Product: Gasoline
Remove Date: 12/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 8000
Install Date: 01/01/1986
Product: Gasoline
Remove Date: 09/01/2009
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 5
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: 01/01/1986
Product: Gasoline
Remove Date: 09/01/2009
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 6

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUDDY'S MINI MART #15 (Continued)

U000266279

Tank Status: Removed from Ground
Capacity: 6000
Install Date: 01/01/1986
Product: Gasoline
Remove Date: 09/01/2009
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 7
Tank Status: Removed from Ground
Capacity: 600
Install Date: Not reported
Product: Fuel Oil
Remove Date: 10/16/2009
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 8
Tank Status: Removed from Ground
Capacity: 600
Install Date: Not reported
Product: Used Motor Oil
Remove Date: 10/16/2009
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

35
ESE
1/4-1/2
0.325 mi.
1718 ft.

SPEEDWAY #8707
2020 W STADIUM BLVD
ANN ARBOR, MI 48103

LUST 1000772800
UST N/A
WDS

Relative:
Lower

LUST:
Facility ID: 00016385
Source: STATE OF MICHIGAN
Owner Name: Speedway LLC
Owner Address: PO Box 1500
Owner City,St,Zip: Springfield, OH 45501
Owner Contact: Not reported
Owner Phone: (937) 864-3000
Country: USA
District: Jackson District Office
Site Name: Total Station #2571
Latitude: 42.27087

Actual:
923 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #8707 (Continued)

1000772800

Longitude: -83.77377
Date of Collection: 12/15/2004
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0321-90
Release Date: 02/23/1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 12/08/1999

Leak Number: C-0800-00
Release Date: 08/26/2000
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 03/20/2001

Leak Number: C-0932-92
Release Date: 06/08/1992
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 12/08/1999

Leak Number: C-1237-93
Release Date: 10/07/1993
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 12/08/1999

UST:

Facility ID: 00016385
Facility Type: ACTIVE
Latitude: 42.27087
Longitude: -83.77377
Owner Name: SPEEDWAY LLC
Owner Address: PO BOX 1500
Owner City,St,Zip: SPRINGFIELD, OH 45501
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (937) 864-3000
Contact: John M. Helms
Contact Phone: (973) 863-6508
Date of Collection: 12/15/2004
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 10000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #8707 (Continued)

1000772800

Install Date: 04/21/1972
Product: Gasoline
Remove Date: 05/01/1994
Tank Release Detection: Inventory Control,Manual Tank Gauging
Pipe Realease Detection: SIR
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 6000
Install Date: 04/22/1963
Product: Gasoline
Remove Date: 05/18/1994
Tank Release Detection: Inventory Control,Manual Tank Gauging
Pipe Realease Detection: SIR
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 6000
Install Date: 04/22/1963
Product: Gasoline
Remove Date: 05/18/1994
Tank Release Detection: Inventory Control,Manual Tank Gauging
Pipe Realease Detection: SIR
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 6000
Install Date: 04/22/1963
Product: Gasoline
Remove Date: 05/18/1994
Tank Release Detection: Inventory Control,Manual Tank Gauging
Pipe Realease Detection: SIR
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 550
Install Date: 04/22/1963

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #8707 (Continued)

1000772800

Product: FUEL OIL
Remove Date: 05/18/1994
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: COPPER, Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 550
Install Date: Not reported
Product: Used Oil
Remove Date: 05/18/1994
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 8
Tank Status: Removed from Ground
Capacity: 15000
Install Date: 08/20/1994
Product: Gasoline
Remove Date: 10/12/2000
Tank Release Detection: Automatic Tank Gauging, Inventory Control
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Cathodically Protected Steel, STIP3
Impressed Device: No

Tank ID: 9
Tank Status: Removed from Ground
Capacity: 8000
Install Date: 08/20/1994
Product: Gasoline
Remove Date: 10/12/2000
Tank Release Detection: Automatic Tank Gauging, Inventory Control
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Cathodically Protected Steel, STIP3
Impressed Device: No

Tank ID: 10
Tank Status: Removed from Ground
Capacity: 8000
Install Date: 05/20/1994
Product: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #8707 (Continued)

1000772800

Remove Date: 10/12/2000
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Cathodically Protected Steel,STIP3
Impressed Device: No

Tank ID: 11
Tank Status: Currently In Use
Capacity: 12000
Install Date: 10/16/2000
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 12
Tank Status: Currently In Use
Capacity: 12000
Install Date: 10/16/2000
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 13
Tank Status: Currently In Use
Capacity: 10000
Install Date: 10/16/2000
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 14
Tank Status: Currently In Use
Capacity: 4000
Install Date: 10/16/2000
Product: Diesel
Remove Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #8707 (Continued)

1000772800

Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 15
Tank Status: Currently In Use
Capacity: 4000
Install Date: 10/16/2000
Product: Kerosene
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

WDS:

Site Id: MID985645837
WMD Id: 407462
Site Specific Name: SPEEDWAY 8707
Mailing Address: PO BOX 1500
Mailing City/State/Zip: 45501
Mailing County: Not reported

H36
ESE
1/4-1/2
0.346 mi.
1829 ft.

HOME APLIANCE MART INC
2025 W STADIUM BLVD
ANN ARBOR, MI 48103
Site 1 of 2 in cluster H

LUST U002303284
UST N/A
BEA

Relative:
Lower

LUST:

Actual:
923 ft.

Facility ID: 00016746
Source: STATE OF MICHIGAN
Owner Name: Home Appliance Mart Inc
Owner Address: 2019 W Stadium Blvd
Owner City,St,Zip: Ann Arbor, MI 48103-4557
Owner Contact: Not reported
Owner Phone: (734) 669-9500
Country: USA
District: Jackson District Office
Site Name: Mobil #03-kdn
Latitude: 42.26998
Longitude: -83.77384
Date of Collection: 09/24/2003
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0100-89

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOME APLIANCE MART INC (Continued)

U002303284

Release Date: 03/29/1989
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 06/10/1996

Leak Number: C-0259-03
Release Date: 06/27/2003
Substance Released: Gasoline,Used Oil,Gasoline,Gasoline
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-0398-91
Release Date: 03/19/1991
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 06/10/1996

UST:

Facility ID: 00016746
Facility Type: CLOSED
Latitude: 42.26998
Longitude: -83.77384
Owner Name: HOME APPLIANCE MART INC
Owner Address: 2019 W STADIUM BLVD
Owner City,St,Zip: ANN ARBOR, MI 48103-4557
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 669-9500
Contact: Mark Bishar
Contact Phone: (734) 669-9500
Date of Collection: 09/24/2003
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 550
Install Date: 04/22/1983
Product: Used Oil
Remove Date: 09/28/1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 8000
Install Date: 04/22/1963
Product: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOME APLIANCE MART INC (Continued)

U002303284

Remove Date: 09/28/1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 4000
Install Date: 04/21/1958
Product: Gasoline
Remove Date: 09/28/1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 3000
Install Date: 04/21/1958
Product: Gasoline
Remove Date: 09/28/1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 2000
Install Date: 04/21/1958
Product: Gasoline
Remove Date: 09/28/1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 10000
Install Date: 04/01/1988
Product: Gasoline
Remove Date: 08/31/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOME APLIANCE MART INC (Continued)

U002303284

Tank Release Detection: Automatic Tank Gauging,Groundwater Monitoring,Inventory Control,Manual Tank Gauging,Tank Tightness Testing

Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing

Piping Material: Fiberglass reinforced plastic

Piping Type: Pressure,Repaired

Construction Material: Fiberglass Reinforced plastic

Impressed Device: No

Tank ID: 7

Tank Status: Removed from Ground

Capacity: 10000

Install Date: 04/01/1988

Product: Gasoline

Remove Date: 08/31/2004

Tank Release Detection: Automatic Tank Gauging,Groundwater Monitoring,Inventory Control,Manual Tank Gauging,Tank Tightness Testing

Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing

Piping Material: Fiberglass reinforced plastic

Piping Type: Pressure,Repaired

Construction Material: Fiberglass Reinforced plastic

Impressed Device: No

Tank ID: 8

Tank Status: Removed from Ground

Capacity: 12000

Install Date: 04/01/1988

Product: Gasoline

Remove Date: 08/31/2004

Tank Release Detection: Automatic Tank Gauging,Groundwater Monitoring,Inventory Control,Manual Tank Gauging,Tank Tightness Testing

Pipe Realease Detection: Automatic Line Leak Detectors,Line Tightness Testing

Piping Material: Fiberglass reinforced plastic

Piping Type: Pressure,Repaired

Construction Material: Fiberglass Reinforced plastic

Impressed Device: No

Tank ID: 9

Tank Status: Removed from Ground

Capacity: 1000

Install Date: 02/01/1983

Product: Used Oil

Remove Date: 09/01/2004

Tank Release Detection: Not reported

Pipe Realease Detection: Not reported

Piping Material: Fiberglass reinforced plastic

Piping Type: Gravity Fed?

Construction Material: Fiberglass Reinforced plastic

Impressed Device: No

BEA:

Secondary Address: Not reported

BEA Number: 549

District: Jackson

Date Received: 05/28/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOME APLIANCE MART INC (Continued)

U002303284

Submitter Name: Home Appliance Mart Inc
Petition Determination: Pending
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: englishc
Division Assigned: Storage Tank Division

H37
ESE
1/4-1/2
0.357 mi.
1885 ft.

HOME APPLIANCE MART INC
2019 W STADIUM BLVD
ANN ARBOR, MI 48103
Site 2 of 2 in cluster H

RCRA-CESQG 1000828704
FINDS MID985657766
LUST
UST
WDS

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 12/31/2002

Facility name: HOME APPLIANCE MART INC

Facility address: 2019 W STADIUM BLVD
ANN ARBOR, MI 48103

EPA ID: MID985657766

Contact: MICHAEL PARIN

Contact address: 2019 W STADIUM BLVD
ANN ARBOR, MI 48103

Contact country: US

Contact telephone: (734) 665-8653

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: HOME APPLAINCE MART

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1972

Owner/Op end date: Not reported

Owner/operator name: HOME APPLAINCE MART

Owner/operator address: Not reported

Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOME APPLIANCE MART INC (Continued)

1000828704

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1972
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 02/22/1993
Facility name: HOME APPLIANCE MART INC
Classification: Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: HOME APPLIANCE MART INC
Classification: Not a generator, verified

Hazardous Waste Summary:

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

Violation Status: No violations found

FINDS:

Registry ID: 110003679715

Environmental Interest/Information System

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOME APPLIANCE MART INC (Continued)

1000828704

LUST:

Facility ID: 00001469
Source: STATE OF MICHIGAN
Owner Name: Home Appliance Mart Inc
Owner Address: 2019 W Stadium Blvd
Owner City,St,Zip: Ann Arbor, MI 48103-4557
Owner Contact: Not reported
Owner Phone: (734) 665-8653
Country: USA
District: Jackson District Office
Site Name: Home Appliance Mart, Inc.
Latitude: 42.27009
Longitude: -83.77385
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-0105-93
Release Date: 01/15/1993
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 07/10/2001

UST:

Facility ID: 00001469
Facility Type: CLOSED
Latitude: 42.27009
Longitude: -83.77385
Owner Name: HOME APPLIANCE MART INC
Owner Address: 2019 W STADIUM BLVD
Owner City,St,Zip: ANN ARBOR, MI 48103-4557
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 665-8653
Contact: MICHAEL PARIN
Contact Phone: (734) 665-8653
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 6000
Install Date: Not reported
Product: Gasoline
Remove Date: 01/15/1993
Tank Release Detection: Not reported
Pipe Release Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOME APPLIANCE MART INC (Continued)

1000828704

Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

WDS:

Site Id: MID985657766
WMD Id: 408329
Site Specific Name: HOME APPLIANCE MART INC
Mailing Address: 2019 W STADIUM BLVD
Mailing City/State/Zip: 48103
Mailing County: WASHTENAW

38
South
1/4-1/2
0.400 mi.
2114 ft.

1241 GROUP
1241 S MAPLE RD
ANN ARBOR, MI 48103

LUST **U001147614**
UST **N/A**
WDS

Relative:
Higher

LUST:

Facility ID: 00036140
Source: STATE OF MICHIGAN
Owner Name: 1241 Group
Owner Address: 540 AVIS DR
Owner City,St,Zip: ANN ARBOR, MI 48108
Owner Contact: Not reported
Owner Phone: (734) 994-4000
Country: USA
District: Jackson District Office
Site Name: 1241 Group
Latitude: 42.26767
Longitude: -83.77978
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
987 ft.

Leak Number: C-0961-92
Release Date: 06/17/1992
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 05/24/1993

UST:

Facility ID: 00036140
Facility Type: CLOSED
Latitude: 42.26767
Longitude: -83.77978
Owner Name: 1241 GROUP
Owner Address: 540 AVIS DR
Owner City,St,Zip: ANN ARBOR, MI 48108
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 994-4000
Contact: RICHARD G TIMMONS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1241 GROUP (Continued)

U001147614

Contact Phone: (734) 994-4000
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 500
Install Date: Not reported
Product: Gasoline
Remove Date: 06/17/1992
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

WDS:

Site Id: MIG000031820
WMD Id: 420753
Site Specific Name: 1241 GROUP
Mailing Address: 1241 S MAPLE RD
Mailing City/State/Zip: 48103
Mailing County: WASHTENAW

39
North
1/4-1/2
0.431 mi.
2275 ft.

2425 W STADIUM
ANN ARBOR CITY, MI 48103

BEA S110142344
N/A

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 998
District: Jackson
Date Received: 11/12/2009
Submitter Name: Stadium Holdings, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: katkov
Division Assigned: Environmental Response Division

Actual:
942 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

I40
North
1/4-1/2
0.455 mi.
2403 ft.

STADIUM STORE, INC.
2445 W STADIUM BLVD
ANN ARBOR, MI 48103
Site 1 of 3 in cluster I

LUST **U003867700**
UST **N/A**
WDS

Relative:
Lower

LUST:

Facility ID: 00019210
 Source: STATE OF MICHIGAN
 Owner Name: Stadium Store, Inc.
 Owner Address: 2445 W Stadium Blvd
 Owner City,St,Zip: Ann Arbor, MI 48103-3809
 Owner Contact: Ayad Kaji
 Owner Phone: 734-662-5608
 Country: USA
 District: Jackson District Office
 Site Name: Superamerica Group
 Latitude: 42.27871
 Longitude: -83.77999
 Date of Collection: 11/03/2002
 Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
 Accuracy: 10
 Accuracy Value Unit: METERS
 Horizontal Data: NAD83
 Point Line Area: POINT
 Desc Category: Plant Entrance (Freight)

Actual:
941 ft.

Leak Number: C-0437-85
 Release Date: 07/02/1991
 Substance Released: Not reported
 Release Status: Closed
 Release Closed Date: 06/19/1998

UST:

Facility ID: 00019210
 Facility Type: ACTIVE
 Latitude: 42.27871
 Longitude: -83.77999
 Owner Name: STADIUM STORE, INC.
 Owner Address: 2445 W STADIUM BLVD
 Owner City,St,Zip: ANN ARBOR, MI 48103-3809
 Owner Country: USA
 Owner Contact: Ayad Kaji
 Owner Phone: 734-662-5608
 Contact: Ziyad Hermiz
 Contact Phone: (734) 662-5608
 Date of Collection: 11/03/2002
 Accuracy: 10
 Accuracy Value Unit: METERS
 Horizontal Datum: NAD83
 Source: STATE OF MICHIGAN
 Point Line Area: POINT
 Desc Category: Plant Entrance (Freight)
 Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: Removed from Ground
 Capacity: 20000
 Install Date: 05/01/1986
 Product: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STADIUM STORE, INC. (Continued)

U003867700

Remove Date: 05/01/1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Pressure
Construction Material: Asphalt Coated or Bare Steel,Lined Interier
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 15000
Install Date: 05/01/1986
Product: Gasoline
Remove Date: 05/01/1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Pressure
Construction Material: Asphalt Coated or Bare Steel,Lined Interier
Impressed Device: No

Tank ID: 3
Tank Status: Currently In Use
Capacity: 15000
Install Date: 03/01/1997
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Inventory Control
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Double Walled,Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 4
Tank Status: Currently In Use
Capacity: 10000
Install Date: 03/01/1997
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Inventory Control
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Double Walled,Fiberglass Reinforced plastic
Impressed Device: No

WDS:

Site Id: MID985634062
WMD Id: 406756
Site Specific Name: SPEEDWAY 1097 4275 RE402
Mailing Address: P O BOX 1500
Mailing City/State/Zip: 45501
Mailing County: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

I41 North 1/4-1/2 0.476 mi. 2515 ft.	AMERICAN TRANSMISSIONS 2470 WEST STADIUM ANN ARBOR, MI -0- Site 2 of 3 in cluster I	DEL SHWS	S105966142 N/A
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Relative: DELETED HWS:
 Lower Facility ID: 81000160
 Status: Delisted - no longer meets criteria specified in rules
 Actual: 942 ft.

I42 North 1/4-1/2 0.476 mi. 2515 ft.	2470 W STADIUM ANN ARBOR CITY, MI Site 3 of 3 in cluster I	BEA	S105966308 N/A
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Relative: BEA:
 Lower Secondary Address: Not reported
 BEA Number: 463
 Actual: District: Jackson
 942 ft. Date Received: 06/09/2003
 Submitter Name: Fawzi Hamdan
 Petition Determination: No Request
 Petition Disclosure: 0
 Category: Same Hazardous Substance(s)
 Determination 20107A: No Request
 Reviewer: massonp
 Division Assigned: Environmental Response Division

43 NNE 1/2-1 0.722 mi. 3811 ft.	1943 JACKSON AVENUE 1943 JACKSON AVE ANN ARBOR, MI 48104	SHWS WDS	S103086306 N/A
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Relative: SHWS:
 Lower Facility ID: 81000064
Facility Status: Interim Response in progress
 Actual: Source: Not reported
 923 ft. SAM Score: 28
 SAM Score Date: 06/17/2004
 Township: 02S
 Range: 06E
 Section: 30
 Quarter: NW
 Quarter/Quarter: SE
 Pollutants: Cd; Cu; Pb; Ni; Zn

WDS:
 Site Id: MID005344742
 WMD Id: 393320
 Site Specific Name: BARNARD PLATING CO
 Mailing Address: 1943 JACKSON AVE
 Mailing City/State/Zip: 48103
 Mailing County: WASHTENAW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

44
ENE
1/2-1
0.923 mi.
4875 ft.

MONTGOMERY PUMPING STATION
432 MONTGOMERY
ANN ARBOR, MI 48107

DEL SHWS
LUST
UST
WDS
U000266410
N/A

Relative:
Lower

Actual:
859 ft.

DELETED HWS:
Facility ID: 81000314
Status: Delisted - no longer meets criteria specified in rules

LUST:
Facility ID: 00010243
Source: STATE OF MICHIGAN
Owner Name: City of Ann Arbor
Owner Address: PO Box 8647 100 N Fifth Ave
Owner City,St,Zip: Ann Arbor, MI 48107
Owner Contact: Not reported
Owner Phone: (734) 794-6000
Country: USA
District: Jackson District Office
Site Name: Ann Arbor, Montgomery Pumping St
Latitude: 42.27864
Longitude: -83.76463
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-2234-91
Release Date: 10/11/1991
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 08/20/1992

UST:
Facility ID: 00010243
Facility Type: CLOSED
Latitude: 42.27864
Longitude: -83.76463
Owner Name: CITY OF ANN ARBOR
Owner Address: PO BOX 8647 100 N FIFTH AVE
Owner City,St,Zip: ANN ARBOR, MI 48107
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 794-6000
Contact: DANIEL J. CULLEN
Contact Phone: (734) 994-6696
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTGOMERY PUMPING STATION (Continued)

U000266410

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 5000
Install Date: 03/17/1966
Product: Diesel
Remove Date: 09/15/1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

WDS:

Site Id: MIG000029069
WMD Id: 448371
Site Specific Name: CITY OF ANN ARBOR
Mailing Address: 432 MONTGOMERY AVE
Mailing City/State/Zip: 48103
Mailing County: WASHTENAW

Count: 14 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ANN ARBOR	U000266166	SHELL STATION	1251ST N MAPLE & MILLER		LUST, UST
ANN ARBOR	U000266169	MARATHON UNIT #1793	1300TH N MAPLE & MILLER		LUST, UST
ANN ARBOR	S112087681		2060TH & W STADIUM BLVD	48103	BEA
ANN ARBOR	S109416720	MAPLE SHOPPES	2330TH & 2344 DEXTER AVE	48103	BEA
ANN ARBOR	S109094185		512TH & N MAPLE RD	48103	BEA
ANN ARBOR	1015731350	M14 ROLLOVER	S BOUND RAMP	48103	CERCLIS
ANN ARBOR	S107031683	EATON CORP - ANN ARBOR	SW COR OF FIRST S & W LIBERTY	48103	BEA
ANN ARBOR	S103595056	UNIV OF MICH HOSPITAL FULLER RD	FULLER RD	48103	SHWS
ANN ARBOR	1011862613	COUNTY OF WASHTENAW ROAD COMMISSI	LIBERTY ROAD NEAR HONEY RUN	48103	RCRA NonGen / NLR
ANN ARBOR	U004182007	LIBERTY STREET	221 W LIBERTY	48103	UST
ANN ARBOR	1012101971	NORTH MAPLE AND DEXTER AVENUE	522 N MAPLE RD	48103	US BROWNFIELDS, FINDS
ANN ARBOR	1007096033	COUNTY OF WASHTENAW ROAD COMMISSIO	MAPLE RD	48103	RCRA NonGen / NLR
ANN ARBOR	S109846911	STADIUM STORE INC	2445 STADIUM	48103	AUL
ANN ARBOR	U003758877	ANN ARBOR PIPE & SUPPLY	20295 STATE		LUST, UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/04/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 04/10/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/05/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 12/19/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2012	Telephone: 703-603-0695
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/19/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2012	Telephone: 703-603-0695
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

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

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

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

Date of Government Version: 01/28/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/30/2013	Telephone: 517-373-9541
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 01/30/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/03/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/03/2013	Telephone: 517-335-4035
Date Made Active in Reports: 01/14/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/15/2013
	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: 02/01/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/19/2013	Telephone: 517-373-9837
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 02/19/2013
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

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

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/12/2013
	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: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/12/2013
	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: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/28/2012	Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 05/01/2013
Number of Days to Update: 162	Next Scheduled EDR Contact: 08/12/2013
	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: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-8677
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 02/07/2013	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/08/2013	Telephone: 517-335-7211
Date Made Active in Reports: 03/04/2013	Last EDR Contact: 04/23/2013
Number of Days to Update: 24	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Annually

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: 02/01/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/19/2013	Telephone: 517-335-4035
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 02/19/2013
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 02/21/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/26/2013	Telephone: 517-373-8168
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: No Update Planned

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

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: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/18/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

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

Date of Government Version: 03/28/2012
Date Data Arrived at EDR: 03/28/2012
Date Made Active in Reports: 04/20/2012
Number of Days to Update: 23

Source: Department of Natural Resources & Environment
Telephone: 517-373-4828
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

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

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/27/2012
Date Data Arrived at EDR: 07/31/2012
Date Made Active in Reports: 09/20/2012
Number of Days to Update: 51

Source: Department of Natural Resources & Environment
Telephone: 517-373-4805
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 05/01/2007
Number of Days to Update: 21

Source: Economic Development Corporation
Telephone: 888-522-0103
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
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: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/26/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009
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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: No Update Planned

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 11/24/2009
Date Data Arrived at EDR: 09/30/2010
Date Made Active in Reports: 10/28/2010
Number of Days to Update: 28

Source: Department of Natural Resources & Environment
Telephone: 517-241-5719
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 07/15/2013
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: Department of Natural Resources & Environment
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: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

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

Date of Government Version: 11/14/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Quarterly

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support its listing or the site no longer meets criteria specified in rules.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 02/01/2013
Date Made Active in Reports: 02/28/2013
Number of Days to Update: 27

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 3

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US HIST CDL: National Clandestine Laboratory Register

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

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

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/16/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/26/2012	Telephone: 202-564-6023
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 12/03/2012	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/23/2013	Telephone: 517-373-9837
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 04/26/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/03/2013	Telephone: 202-366-4555
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Annually

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 12/31/2012	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/10/2013	Telephone: 517-373-8427
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

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

Date of Government Version: 02/12/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/15/2013	Telephone: 312-886-6186
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 04/03/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 02/05/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/20/2013
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/19/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/26/2013	Telephone: 202-528-4285
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2011	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/15/2013	Telephone: Varies
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/01/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 12/18/2012	Source: EPA
Date Data Arrived at EDR: 03/13/2013	Telephone: 703-416-0223
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 03/13/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/25/2013
Number of Days to Update: 146	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Varies

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: 08/18/2011	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/08/2011	Telephone: 303-231-5959
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 03/06/2013
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/17/2013
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 02/26/2013
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 03/28/2013
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/08/2013
	Data Release Frequency: Every 4 Years

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

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/25/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/10/2013
	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/25/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/12/2013
	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: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/15/2013
Number of Days to Update: 61	Next Scheduled EDR Contact: 07/29/2013
	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: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/19/2013
Number of Days to Update: 98	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/21/2011	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 03/11/2013
Number of Days to Update: 60	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

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

Date of Government Version: 01/08/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/09/2013	Telephone: 202-343-9775
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/11/2013
Number of Days to Update: 93	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011	Source: EPA
Date Data Arrived at EDR: 12/13/2011	Telephone: (312) 353-2000
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 03/12/2013
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/25/2012	Telephone: 202-564-8600
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 08/12/2013
	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: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 02/26/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Biennially

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 01/30/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/31/2013	Telephone: 517-241-1515
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 10/22/2012	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 10/24/2012	Telephone: 517-335-4586
Date Made Active in Reports: 11/28/2012	Last EDR Contact: 04/19/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Annually

NPDES: List of Active NPDES Permits

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

Date of Government Version: 01/08/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/09/2013	Telephone: 517-241-1300
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/09/2013
Date Data Arrived at EDR: 01/10/2013
Date Made Active in Reports: 03/05/2013
Number of Days to Update: 54

Source: Department of Natural Resources & Environment
Telephone: 517-373-7074
Last EDR Contact: 03/25/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 02/25/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/02/2013
Number of Days to Update: 35

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 04/23/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Varies

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 11/15/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

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: 07/31/2012
Date Data Arrived at EDR: 08/13/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/12/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/20/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2012	Telephone: 202-566-1917
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 02/19/2013
Number of Days to Update: 89	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 02/01/2013
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 04/21/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 04/21/2011	Telephone: 586-753-3754
Date Made Active in Reports: 05/13/2011	Last EDR Contact: 04/08/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Varies

COAL ASH DOE: Steam-Electric Plan Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/18/2013
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/29/2013
	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: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 03/15/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/08/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/10/2013	Telephone: 517-335-6610
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 04/08/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Varies

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: 02/15/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/15/2013	Telephone: 517-373-9875
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 02/15/2013
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/15/2012	Source: EPA
Date Data Arrived at EDR: 11/16/2012	Telephone: 202-564-5962
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 04/01/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Annually

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: 11/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2012	Telephone: 703-308-4044
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 02/15/2013
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/27/2013
	Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/05/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/07/2011	Telephone: 517-335-4034
Date Made Active in Reports: 02/14/2011	Last EDR Contact: 04/01/2013
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Varies

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/02/2012	Source: EPA
Date Data Arrived at EDR: 01/03/2013	Telephone: 202-564-6023
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/04/2013
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/19/2013
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/18/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/18/2013	Telephone: 860-424-3375
Date Made Active in Reports: 03/21/2013	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 08/28/2012	Last EDR Contact: 04/19/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/29/2013
	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: 02/01/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/07/2013	Telephone: 518-402-8651
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 02/07/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: 05/20/2013
	Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/23/2012	Telephone: 717-783-8990
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 04/23/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/22/2012	Telephone: 401-222-2797
Date Made Active in Reports: 07/31/2012	Last EDR Contact: 02/25/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011

Date Data Arrived at EDR: 07/19/2012

Date Made Active in Reports: 09/27/2012

Number of Days to Update: 70

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/18/2013

Next Scheduled EDR Contact: 07/01/2013

Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of Regulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MAPLE MEADOWS
800 S. MAPLE ROAD
ANN ARBOR, MI 48103

TARGET PROPERTY COORDINATES

Latitude (North):	42.2721 - 42° 16' 19.56"
Longitude (West):	83.78 - 83° 46' 48.00"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	270735.4
UTM Y (Meters):	4683517.0
Elevation:	968 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42083-C7 ANN ARBOR WEST, MI
Most Recent Revision:	1983

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 principal 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).

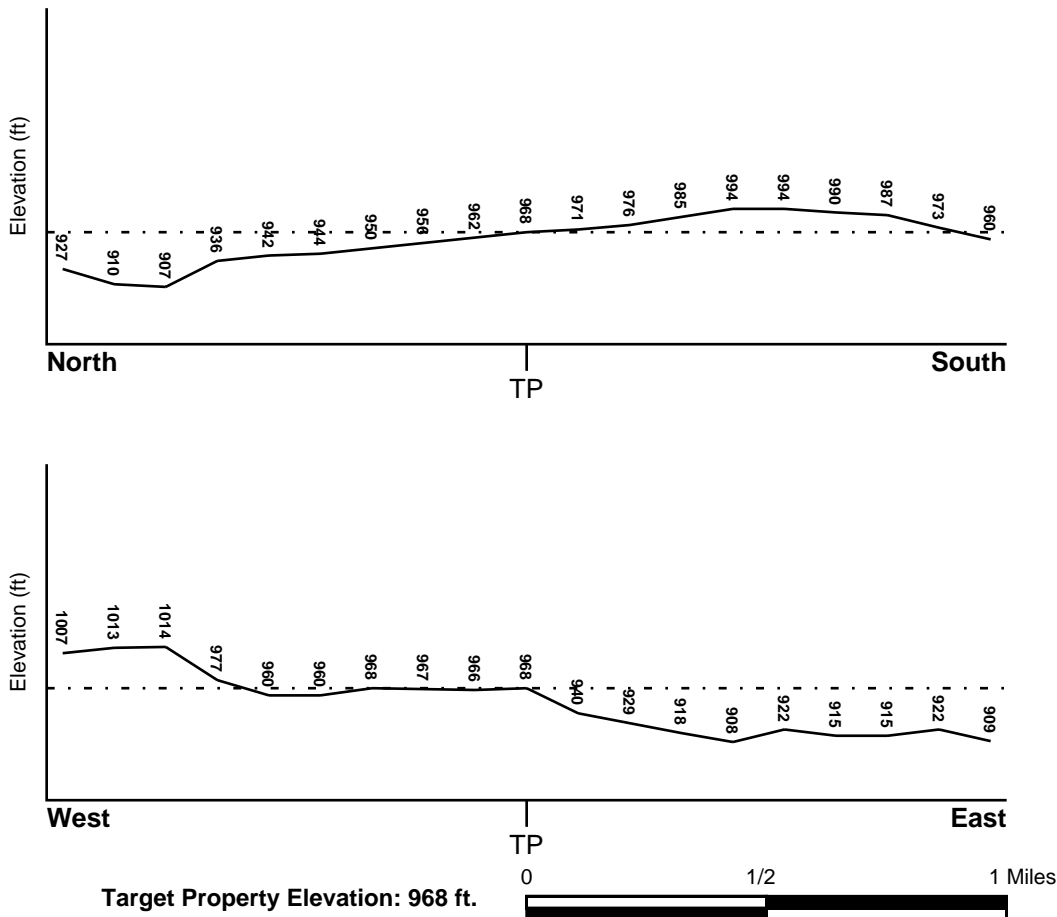
TOPOGRAPHIC INFORMATION

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 ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood</u>
WASHTENAW, MI	<u>Electronic Data</u>
	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic</u>
ANN ARBOR WEST	<u>Data Coverage</u>
	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
A2	1/4 - 1/2 Mile ENE	S
A3	1/4 - 1/2 Mile ENE	Not Reported
4	1/4 - 1/2 Mile East	W
B5	1/4 - 1/2 Mile ESE	E
B6	1/4 - 1/2 Mile ESE	Varies
10	1/2 - 1 Mile North	Not Reported
12	1/2 - 1 Mile NNW	NE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Mississippian
Series: Osagean and Kinderhookian Series
Code: M1 (*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: BROOKSTON

Soil Surface Texture: loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly. Soils are wet to the surface most of the time. Depth to water table is less than 1 foot, or is ponded.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
2	14 inches	46 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
3	46 inches	66 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 2.00 Min: 0.60	Max: 8.40 Min: 7.40

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: muck
sandy loam
loamy sand
fine sandy loam
fine sand

Surficial Soil Types: muck
sandy loam
loamy sand
fine sandy loam
fine sand

Shallow Soil Types: sandy loam
loamy sand
sandy clay loam

Deeper Soil Types: muck
sandy loam
gravelly - sand
clay loam
fine sand
sand
stratified

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

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

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

STATE DATABASE WELL INFORMATION

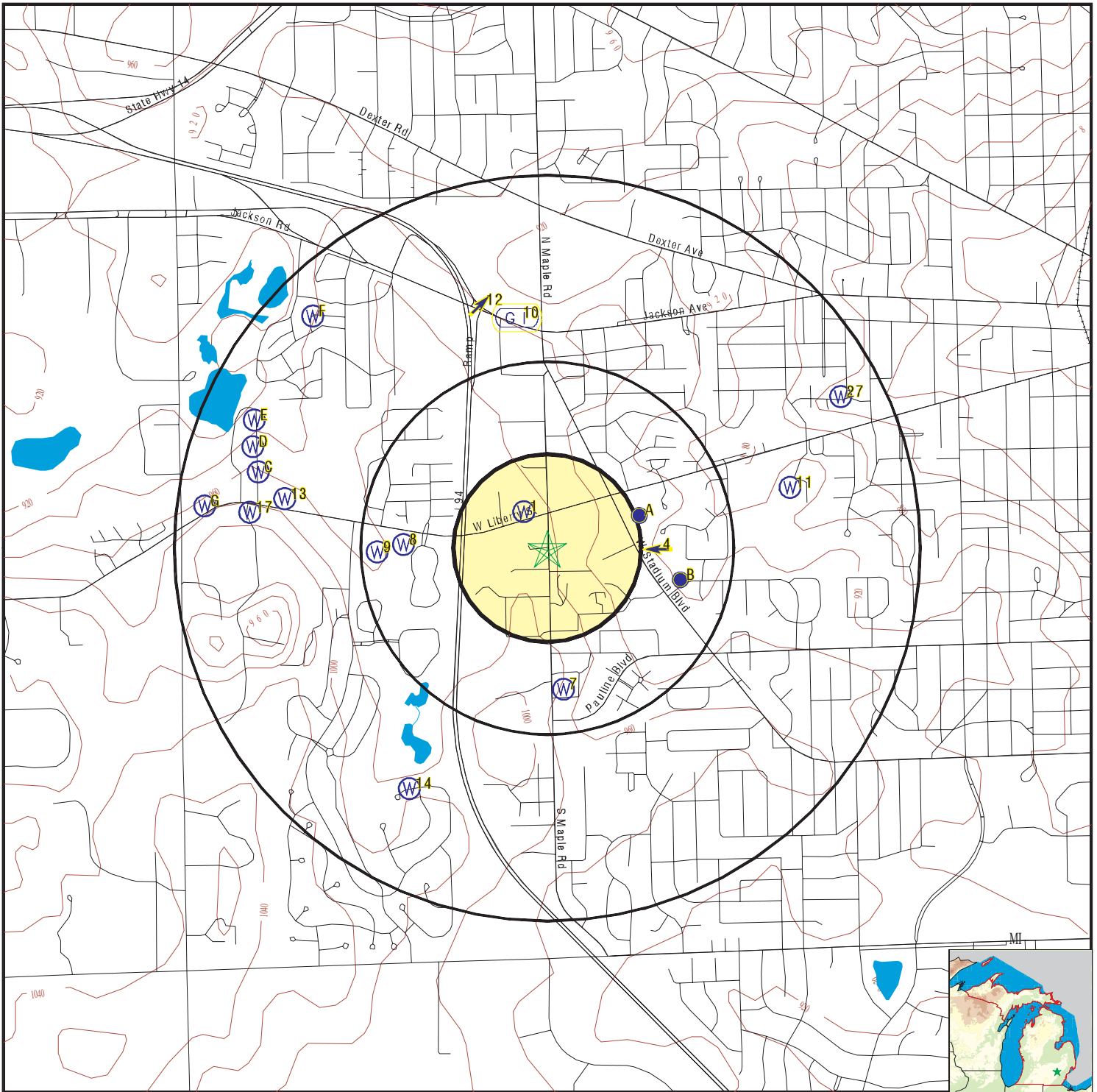
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	MI3000000051383	0 - 1/8 Mile NNW
7	MI3000000050531	1/4 - 1/2 Mile South
8	MI3000000051232	1/4 - 1/2 Mile West
9	MI3000000051208	1/4 - 1/2 Mile West
11	MI3000000051505	1/2 - 1 Mile ENE
13	MI3000000051451	1/2 - 1 Mile West
14	MI3000000050158	1/2 - 1 Mile SSW
C15	MI3000000051536	1/2 - 1 Mile WNW
C16	MI3000000051494	1/2 - 1 Mile West
17	MI3000000051378	1/2 - 1 Mile West
C18	MI3000000051643	1/2 - 1 Mile WNW
C19	MI3000000051628	1/2 - 1 Mile WNW
D20	MI3000000051659	1/2 - 1 Mile WNW
E21	MI3000000051766	1/2 - 1 Mile WNW
D22	MI3000000051695	1/2 - 1 Mile WNW
E23	MI3000000051783	1/2 - 1 Mile WNW
E24	MI3000000051810	1/2 - 1 Mile WNW
F25	MI3000000052226	1/2 - 1 Mile NW
F26	MI3000000052215	1/2 - 1 Mile NW
27	MI3000000051895	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
G28	MI3000000051391	1/2 - 1 Mile West
G29	MI3000000051390	1/2 - 1 Mile West
G30	MI3000000051392	1/2 - 1 Mile West
G31	MI3000000051394	1/2 - 1 Mile West
G32	MI3000000051393	1/2 - 1 Mile West
G33	MI3000000051497	1/2 - 1 Mile West
G34	MI3000000051423	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 3594449.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Maple Meadows
 ADDRESS: 800 S. Maple Road
 Ann Arbor MI 48103
 LAT/LONG: 42.2721 / 83.78

CLIENT: Environmental Resources Group, Inc.
 CONTACT: Penny M. Dwoinen
 INQUIRY #: 3594449.2s
 DATE: May 01, 2013 3:44 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
NNW
0 - 1/8 Mile
Higher

MI WELLS MI300000051383

Wellid:	8100004448	Import id:	81727525023
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	MCCONNELL, ROBERT		
Well addr:	2536 LIBERTY		
Well depth:	219		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	524
Const date:	1980-08-18 00:00:00.000	Case type:	Unknown
Case dia:	4		
Case depth:	215		
Screen frm:	215		
Screen to:	219		
Swl:	106		
Test depth:	106		
Test hours:	2		
Test rate:	9	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2735128307		
Longitude:	-83.7812195346		
Methd coll:	Interpolation-Map		
Elevation:	972		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	968	Elev dif:	4
Elev miv:	972	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	22		
Pct aq d:	22	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	71
Pct cm d:	71	Pct cm r:	0
Pct pcm:	6	Pct pcm d:	6
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	8	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	113	A pct aq2:	7
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	93	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Gravel
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	20
Pct maq 3:	0	Pct cm 3:	10
Pct pcm 3:	70	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	85
Pct maq 5:	0	Pct cm 5:	15
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	100	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	113		
Horiz Conduct:	21.23903		
Vert Conduct:	.00011		
T2:	2400.0105		
D50plek:	450.82083		

**A2
ENE
1/4 - 1/2 Mile
Lower**

Site ID: 810256
 Groundwater Flow: S
 Shallowest Water Table Depth: 4
 Deepest Water Table Depth: 12.5
 Average Water Table Depth: Not Reported
 Date: 04/09/1993

AQUIFLOW 63229

**A3
ENE
1/4 - 1/2 Mile
Lower**

Site ID: 810074
 Groundwater Flow: Not Reported
 Shallowest Water Table Depth: 13
 Deepest Water Table Depth: 25
 Average Water Table Depth: Not Reported
 Date: 03/09/1995

AQUIFLOW 39429

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

4 East 1/4 - 1/2 Mile Lower	Site ID: Not Reported		
	Groundwater Flow: W	AQUIFLOW	45842
	Shallowest Water Table Depth: 7		
	Deepest Water Table Depth: 8.5		
	Average Water Table Depth: Not Reported		
	Date: 04/08/1997		

B5 ESE 1/4 - 1/2 Mile Lower	Site ID: 810053		
	Groundwater Flow: E	AQUIFLOW	39407
	Shallowest Water Table Depth: Not Reported		
	Deepest Water Table Depth: Not Reported		
	Average Water Table Depth: 90		
	Date: 10/29/1991		

B6 ESE 1/4 - 1/2 Mile Lower	Site ID: 810321		
	Groundwater Flow: Varies	AQUIFLOW	45891
	Shallowest Water Table Depth: Not Reported		
	Deepest Water Table Depth: Not Reported		
	Average Water Table Depth: 8.73		
	Date: 01/13/1998		

7 South 1/4 - 1/2 Mile Higher		MI WELLS	MI300000050531
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Wellid:	81000005044	Import id:	81727631001
County:	Washtenaw	Township:	Ann Arbor
Town range:	02S 06E	Section:	31
Owner name:	ATWELL-HIRKS CO.		
Well addr:	1241 S. MAPLE RD.		
Well depth:	214		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	388
Const date:	1973-05-24 00:00:00.000	Case type:	Unknown
Case dia:	4		
Case depth:	210		
Screen frm:	210		
Screen to:	214		
Swl:	160		
Test depth:	175		
Test hours:	4		
Test rate:	20	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2666179858		
Longitude:	-83.7791404608		
Methd coll:	Interpolation-Map		
Elevation:	985		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	974	Elev dif:	11
Elev miv:	985	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	1		
Pct aq d:	1	Pct aq r:	0
Pct maq:	30	Pct maq d:	30
Pct maq r:	0	Pct cm:	69

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	69	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	54	A pct aq:	6
A pct maq:	94	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	54	A pct aq2:	6
A pct maq2:	94	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Gravel
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	75	A sc lith2:	Sand & Silt
A sc lmod2:	Fine	A sc lmaq2:	MAQ
A sc lpct2:	25	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	100	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	100
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	12	Pct cm 7:	88
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	100
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	T		
Athk2:	54		
Horiz Conduct:	21.38889		
Vert Conduct:	5.28893		
T2:	1155		
D50plek:	107.68958		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

8
West
1/4 - 1/2 Mile
Lower

MI WELLS MI300000051232

Wellid:	81000004426	Import id:	81727525001
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	MASONIC TEMPLE		
Well addr:	2875 LIBERTY RD		
Well depth:	185		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	524
Const date:	1977-12-13 00:00:00.000	Case type:	Unknown
Case dia:	4		
Case depth:	182		
Screen frm:	182		
Screen to:	185		
Swl:	90		
Test depth:	90		
Test hours:	2		
Test rate:	12	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2722400112		
Longitude:	-83.7875098658		
Methd coll:	Interpolation-Map		
Elevation:	960		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	961	Elev dif:	1
Elev miv:	960	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	39		
Pct aq d:	39	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	61
Pct cm d:	61	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	3	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	95	A pct aq2:	8
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	92	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Coarse	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	75	Pct maq 2:	0
Pct cm 2:	25	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	75
Pct maq 5:	0	Pct cm 5:	25
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	95		
Horiz Conduct:	11.57904		
Vert Conduct:	.00011		
T2:	1100.0087		
D50plek:	180.90052		

9

**West
1/4 - 1/2 Mile
Lower**

MI WELLS

MI300000051208

Wellid:	8100004427	Import id:	81727525002
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	TEMIS FITNESS CENTER		
Well addr:	2975 W LIBERTY RD		
Well depth:	220		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	388
Const date:	1973-06-25 00:00:00.000	Case type:	Unknown
Case dia:	6		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	215		
Screen frm:	215		
Screen to:	220		
Swl:	150		
Test depth:	200		
Test hours:	4		
Test rate:	50	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.271951707		
Longitude:	-83.7888830984		
Methd coll:	Interpolation-Map		
Elevation:	955		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	954	Elev dif:	1
Elev miv:	955	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	23		
Pct aq d:	23	Pct aq r:	0
Pct maq:	31	Pct maq d:	31
Pct maq r:	0	Pct cm:	45
Pct cm d:	45	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	11	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	70	A pct aq2:	16
A pct maq2:	77	A pct pcm2:	0
A pct cm2:	7	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Gravel
A sc lmod1:	Coarse	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	100	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	100
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	60	Pct cm 7:	40
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	100
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	70		
Horiz Conduct:	33.14286		
Vert Conduct:	.0014		
T2:	2320.0005		
D50plek:	270.4264		

**10
North
1/2 - 1 Mile
Lower**

Site ID:	Not Reported	AQUIFLOW	45876
Groundwater Flow:	Not Reported		
Shallowest Water Table Depth:	0.5		
Deepest Water Table Depth:	12.5		
Average Water Table Depth:	Not Reported		
Date:	09/28/1998		

**11
ENE
1/2 - 1 Mile
Lower**

MI WELLS MI3000000051505

Wellid:	81000005042	Import id:	81727630001
County:	Washtenaw	Township:	Ann Arbor
Town range:	02S 06E	Section:	30
Owner name:	SNYDER, DORIS K.		
Well addr:	5 RIDGEMOOR DR.		
Well depth:	112		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	26
Const date:	1984-08-31 00:00:00.000	Case type:	Steel-black
Case dia:	4		
Case depth:	108		
Screen frm:	108		
Screen to:	112		
Swl:	63		
Test depth:	85		
Test hours:	1		
Test rate:	20	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2744577482		
Longitude:	-83.7672956333		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Methd coll:	Interpolation-Map		
Elevation:	918		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	912	Elev dif:	6
Elev niv:	918	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	52		
Pct aq d:	52	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	48
Pct cm d:	48	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	23	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	49	A pct aq2:	47
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	53	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Gravel
A sc lmod1:	Water Bearing	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	5
Pct maq 1:	0	Pct cm 1:	95
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	70
Pct maq 3:	0	Pct cm 3:	30
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	100	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	55
Pct maq 5:	0	Pct cm 5:	45
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	49		
Horiz Conduct:	140.81638		
Vert Conduct:	.00019		
T2:	6900.0026		
D50plek:	533.34275		

**12
NNW
1/2 - 1 Mile
Lower**

Site ID:	810055	AQUIFLOW	39438
Groundwater Flow:	NE		
Shallowest Water Table Depth:	Not Reported		
Deepest Water Table Depth:	Not Reported		
Average Water Table Depth:	11		
Date:	10/30/1998		

**13
West
1/2 - 1 Mile
Higher**

MI WELLS MI300000051451

Wellid:	8100004428	Import id:	81727525003
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	LIBERTY MEDICAL COMPLEX		
Well addr:	3200 LIBERTY RD		
Well depth:	132		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1290
Const date:	1978-11-05 00:00:00.000	Case type:	Unknown
Case dia:	6		
Case depth:	132		
Screen frm:	120		
Screen to:	132		
Swl:	80		
Test depth:	115		
Test hours:	2		
Test rate:	75	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2740200561		
Longitude:	-83.7937237166		
Methd coll:	Interpolation-Map		
Elevation:	975		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	971	Elev dif:	4
Elev miv:	975	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	68		
Pct aq d:	68	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	32

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	32	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	18	A pct aq:	83
A pct maq:	0	A pct pcm:	0
A pct cm:	17	A pct na:	0
A thickns2:	52	A pct aq2:	67
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	33	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Wet/Moist	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	50
Pct maq 1:	0	Pct cm 1:	50
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	75
Pct maq 3:	0	Pct cm 3:	25
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	50	Pct maq 4:	0
Pct cm 4:	50	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	100
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	32	Pct maq 6:	0
Pct cm 6:	68	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	52		
Horiz Conduct:	67.30773		
Vert Conduct:	.00031		
T2:	3500.0017		
D50plek:	296.83711		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

14
SSW
1/2 - 1 Mile
Higher

MI WELLS MI3000000050158

Wellid:	81000012401	Import id:	Not Reported
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	36
Owner name:	DELCOR HOMES		
Well addr:	0 SCIO RIDGE		
Well depth:	225		
Well type:	Irrigation		
Wssn:	0		
Well num:	Not Reported	Driller id:	1874
Const date:	2002-06-27 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	215		
Screen frm:	215		
Screen to:	225		
Swl:	130		
Test depth:	134		
Test hours:	2		
Test rate:	12	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.26276243		
Longitude:	-83.78720249		
Methd coll:	Address Matching-House Number		
Elevation:	997		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	1000	Elev dif:	3
Elev miv:	997	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	48		
Pct aq d:	48	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	52
Pct cm d:	52	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	11	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	95	A pct aq2:	29
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	71	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	50
Pct maq 3:	0	Pct cm 3:	50
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	100
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	100	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	88
Pct maq 7:	0	Pct cm 7:	12
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	100	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	95		
Horiz Conduct:	29.47375		
Vert Conduct:	.00014		
T2:	2800.0067		
D50plek:	438.73158		

**C15
WNW
1/2 - 1 Mile
Lower**

MI WELLS MI300000051536

Wellid:	81000004429	Import id:	81727525004
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	DUKE, RASSANDRA		
Well addr:	687 LAKEVIEW DR.		
Well depth:	106		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1760
Const date:	1986-09-15 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	102		
Screen frm:	102		
Screen to:	106		
Swl:	84		
Test depth:	95		
Test hours:	2		
Test rate:	20	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2747381181		
Longitude:	-83.7949386563		
Methd coll:	Interpolation-Map		
Elevation:	968		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	968	Elev dif:	0
Elev miv:	968	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	77		
Pct aq d:	77	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	23
Pct cm d:	23	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	22	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	22	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand & Gravel
A sc lmod1:	Fine	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	65	Pct maq 2:	0
Pct cm 2:	35	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	15
Pct maq 3:	0	Pct cm 3:	85
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	100
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	T		
Athk2:	22		
Horiz Conduct:	61.36364		
Vert Conduct:	56.41026		
T2:	1350		
D50plek:	50.86102		

C16
West
1/2 - 1 Mile
Higher

MI WELLS MI300000051494

Wellid:	81000012147	Import id:	Not Reported
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	Laurie Williams		
Well addr:	707 Lakeview		
Well depth:	185		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2014
Const date:	2001-10-01 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	175		
Screen frm:	175		
Screen to:	185		
Swl:	90		
Test depth:	105		
Test hours:	2		
Test rate:	12	Test methd:	Air
Grouted:	1	Pmp cpcity:	20
Latitude:	42.27435847		
Longitude:	-83.7953138		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	971	Elev dif:	971
Elev miv:	971	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	19		
Pct aq d:	19	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	50

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	50	Pct cm r:	0
Pct pcm:	30	Pct pcm d:	30
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	25	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	95	A pct aq2:	26
A pct maq2:	0	A pct pcm2:	25
A pct cm2:	48	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	30
Pct maq 1:	0	Pct cm 1:	35
Pct pcm 1:	35	Pct na 1:	0
Pct aq 2:	25	Pct maq 2:	0
Pct cm 2:	75	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	25	Pct pcm 4:	75
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	100	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	44	Pct pcm 6:	56
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	95		
Horiz Conduct:	18.00257		
Vert Conduct:	.00021		
T2:	1710.2446		
D50plek:	274.82362		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

17
West
1/2 - 1 Mile
Higher

MI WELLS MI300000051378

Wellid:	8100004435	Import id:	81727525010
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	THE STORAGE CHEST		
Well addr:	3033 W LIBERTY RD		
Well depth:	191		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	524
Const date:	1978-05-22 00:00:00.000	Case type:	Unknown
Case dia:	4		
Case depth:	187		
Screen frm:	187		
Screen to:	191		
Swl:	82		
Test depth:	119		
Test hours:	4		
Test rate:	9	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2734903969		
Longitude:	-83.795549795		
Methd coll:	Interpolation-Map		
Elevation:	990		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	981	Elev dif:	9
Elev miv:	990	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	69		
Pct aq d:	69	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	31
Pct cm d:	31	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	31	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	109	A pct aq2:	45
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	55	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	100
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	109		
Horiz Conduct:	22.47712		
Vert Conduct:	.00018		
T2:	2450.006		
D50plek:	443.45571		

**C18
WNW
1/2 - 1 Mile
Lower**

MI WELLS MI300000051643

Wellid:	8100004430	Import id:	81727525005
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	FUEUA, WILLIAM		
Well addr:	637 LAKEVIEW RD		
Well depth:	95		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	388
Const date:	1984-07-26 00:00:00.000	Case type:	Steel-black
Case dia:	4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	91		
Screen frm:	91		
Screen to:	95		
Swl:	84		
Test depth:	90		
Test hours:	2		
Test rate:	10	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2756531906		
Longitude:	-83.7949788104		
Methd coll:	Interpolation-Map		
Elevation:	958		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	954	Elev dif:	4
Elev miv:	958	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	88		
Pct aq d:	88	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	12
Pct cm d:	12	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	11	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	11	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand & Gravel
A sc lmod1:	Fine	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	85
Pct maq 1:	0	Pct cm 1:	15
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	60	Pct maq 4:	0
Pct cm 4:	40	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	T		
Athk2:	11		
Horiz Conduct:	25		
Vert Conduct:	25		
T2:	275		
D50plek:	5.65212		

**C19
WNW
1/2 - 1 Mile
Lower**

MI WELLS MI300000051628

Wellid:	81000012500	Import id:	Not Reported
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	HEIDI KALAKAILO		
Well addr:	647 LAKEVIEW		
Well depth:	163		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2014
Const date:	2002-07-16 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	153		
Screen frm:	153		
Screen to:	163		
Swl:	84		
Test depth:	84		
Test hours:	2		
Test rate:	3	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	12
Latitude:	42.27548865		
Longitude:	-83.7951838		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	958	Elev dif:	958
Elev miv:	958	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	25		
Pct aq d:	25	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	66

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	66	Pct cm r:	0
Pct pcm:	9	Pct pcm d:	9
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	14	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	79	A pct aq2:	18
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	82	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand & Gravel
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	65
Pct pcm 1:	35	Pct na 1:	0
Pct aq 2:	40	Pct maq 2:	0
Pct cm 2:	20	Pct pcm 2:	40
Pct na 2:	0	Pct aq 3:	35
Pct maq 3:	0	Pct cm 3:	65
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	60	Pct maq 4:	0
Pct cm 4:	40	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	100
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	4
Pct maq 7:	0	Pct cm 7:	96
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	79		
Horiz Conduct:	17.7216		
Vert Conduct:	.00012		
T2:	1400.0065		
D50plek:	189.04178		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

D20
WNW
1/2 - 1 Mile
Lower

MI WELLS MI3000000051659

Wellid:	81000013389	Import id:	Not Reported
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	SCARBROUGH, JOHN		
Well addr:	597 LAKEVIEW AVE.		
Well depth:	89		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2215
Const date:	2003-06-26 00:00:00.000	Case type:	Steel-black
Case dia:	5		
Case depth:	84		
Screen frm:	83		
Screen to:	89		
Swl:	65		
Test depth:	89		
Test hours:	4		
Test rate:	12	Test methd:	Air
Grouted:	1	Pmp cpcity:	12
Latitude:	42.27587343		
Longitude:	-83.795187		
Methd coll:	Address Matching-House Number		
Elevation:	961		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	951	Elev dif:	10
Elev miv:	961	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	71		
Pct aq d:	71	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	29
Pct cm d:	29	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	24	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	24	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Water Bearing	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	60
Pct maq 1:	0	Pct cm 1:	40
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	10
Pct maq 3:	0	Pct cm 3:	90
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	T		
Athk2:	24		
Horiz Conduct:	100		
Vert Conduct:	100		
T2:	2400		
D50plek:	95.74916		

**E21
WNW
1/2 - 1 Mile
Lower**

MI WELLS MI300000051766

Wellid:	81000004431	Import id:	81727525006
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	WALKER, ARNOLD		
Well addr:	541 LAKEVIEW RD		
Well depth:	78		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1290
Const date:	1981-02-27 00:00:00.000	Case type:	Unknown
Case dia:	4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	78		
Screen frm:	73		
Screen to:	78		
Swl:	60		
Test depth:	64		
Test hours:	2		
Test rate:	12	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2769300702		
Longitude:	-83.794839417		
Methd coll:	Interpolation-Map		
Elevation:	942		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	932	Elev dif:	10
Elev miv:	942	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	86		
Pct aq d:	86	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	14
Pct cm d:	14	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	18	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	18	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Wet/Moist	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	60
Pct maq 1:	0	Pct cm 1:	40
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	85	Pct maq 2:	0
Pct cm 2:	15	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	T		
Athk2:	18		
Horiz Conduct:	50		
Vert Conduct:	50		
T2:	900		
D50plek:	28.34537		

**D22
WNW
1/2 - 1 Mile
Lower**

MI WELLS MI300000051695

Wellid:	8100004434	Import id:	81727525009
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	BAILEY, WILLIAM		
Well addr:	602 LAKEVIEW RD		
Well depth:	94		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1290
Const date:	1979-11-05 00:00:00.000	Case type:	Unknown
Case dia:	4		
Case depth:	94		
Screen frm:	89		
Screen to:	94		
Swl:	60		
Test depth:	0		
Test hours:	2		
Test rate:	12	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.276205085		
Longitude:	-83.7955920309		
Methd coll:	Interpolation-Map		
Elevation:	952		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	948	Elev dif:	4
Elev miv:	952	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	82		
Pct aq d:	82	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	6

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	6	Pct cm r:	0
Pct pcm:	9	Pct pcm d:	9
Pct pcm r:	0	Pct na:	3
Pct na d:	3	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	34	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	34	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Wet/Moist	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	35
Pct maq 1:	0	Pct cm 1:	30
Pct pcm 1:	20	Pct na 1:	15
Pct aq 2:	80	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	20
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	T		
Athk2:	34		
Horiz Conduct:	100		
Vert Conduct:	100		
T2:	3400		
D50plek:	188.8139		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E23
WNW
1/2 - 1 Mile
Lower

MI WELLS MI3000000051783

Wellid:	81000004433	Import id:	81727525008
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	FENDT, ALAN		
Well addr:	524 LAKEVIEW AVE		
Well depth:	76		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1290
Const date:	1980-10-08 00:00:00.000	Case type:	Unknown
Case dia:	4		
Case depth:	11		
Screen frm:	72		
Screen to:	76		
Swl:	45		
Test depth:	46		
Test hours:	2		
Test rate:	12	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2770130965		
Longitude:	-83.7955656833		
Methd coll:	Interpolation-Map		
Elevation:	930		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	932	Elev dif:	2
Elev miv:	930	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	33		
Pct aq d:	33	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	67
Pct cm d:	67	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	8	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	31	A pct aq2:	26
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	74	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Wet/Moist	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	40
Pct maq 1:	0	Pct cm 1:	60
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	25	Pct maq 2:	0
Pct cm 2:	75	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	20
Pct maq 3:	0	Pct cm 3:	80
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	31		
Horiz Conduct:	12.9033		
Vert Conduct:	.00013		
T2:	400.0023		
D50plek:	22.68262		

**E24
WNW
1/2 - 1 Mile
Lower**

MI WELLS MI300000051810

Wellid:	8100004432	Import id:	81727525007
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	FENDT, ALAN		
Well addr:	524 LAKEVIEW RD		
Well depth:	78		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	1290
Const date:	1980-06-20 00:00:00.000	Case type:	Unknown
Case dia:	4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	78		
Screen frm:	70		
Screen to:	78		
Swl:	40		
Test depth:	41		
Test hours:	2		
Test rate:	12	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2772792545		
Longitude:	-83.7955384531		
Methd coll:	Interpolation-Map		
Elevation:	925		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	925	Elev dif:	0
Elev miv:	925	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	44		
Pct aq d:	44	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	56
Pct cm d:	56	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	18	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	38	A pct aq2:	50
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	50	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Wet/Moist	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	75	Pct maq 2:	0
Pct cm 2:	25	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	5
Pct maq 3:	0	Pct cm 3:	95
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	38		
Horiz Conduct:	97.36847		
Vert Conduct:	.0002		
T2:	3700.0019		
D50plek:	228.67984		

**F25
NW
1/2 - 1 Mile
Lower**

MI WELLS MI300000052226

Wellid:	81000014294	Import id:	Not Reported
County:	Washtenaw	Township:	Superior
Town range:	02S 07E	Section:	17
Owner name:	RUSSELL CUSTOM HOMES		
Well addr:	3126 ANDORA		
Well depth:	176		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2014
Const date:	Not Reported	Case type:	PVC Plastic
Case dia:	5		
Case depth:	166		
Screen frm:	166		
Screen to:	176		
Swl:	58		
Test depth:	58		
Test hours:	2		
Test rate:	7	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.281151		
Longitude:	-83.792196		
Methd coll:	Address Matching-House Number		
Elevation:	951		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	941	Elev dif:	10
Elev miv:	951	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	22		
Pct aq d:	22	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	78

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	78	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	18	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	118	A pct aq2:	27
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	73	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	W/Gravel	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	35	Pct maq 2:	0
Pct cm 2:	65	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	15	Pct maq 4:	0
Pct cm 4:	85	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	55
Pct maq 5:	0	Pct cm 5:	45
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

F26
NW
1/2 - 1 Mile
Lower

MI WELLS MI300000052215

Wellid:	81000013008	Import id:	Not Reported
County:	Washtenaw	Township:	Superior
Town range:	02S 07E	Section:	17
Owner name:	RUSSELL CUSTOM HOMES		
Well addr:	3140 ANDORA		
Well depth:	180		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	2014
Const date:	2002-03-13 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	170		
Screen frm:	170		
Screen to:	180		
Swl:	52		
Test depth:	57		
Test hours:	2		
Test rate:	12	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	20
Latitude:	42.28107243		
Longitude:	-83.7923213		
Methd coll:	Address Matching-House Number		
Elevation:	951		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	938	Elev dif:	13
Elev miv:	951	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	24		
Pct aq d:	24	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	76
Pct cm d:	76	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	14	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	128	A pct aq2:	20
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	80	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand & Gravel
A sc lmod1:	W/Sand	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	45
Pct maq 1:	0	Pct cm 1:	55
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	45	Pct maq 2:	0
Pct cm 2:	55	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	100	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	60
Pct maq 5:	0	Pct cm 5:	40
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

27
ENE
1/2 - 1 Mile
Lower

MI WELLS MI300000051895

Wellid:	81000005043	Import id:	81727630301
County:	Washtenaw	Township:	Ann Arbor
Town range:	02S 06E	Section:	30
Owner name:	CITY OF ANN ARBOR		
Well addr:	ANN ARBOR WELL #1 MONTGOMERY		
Well depth:	173		
Well type:	Type I public		
Wssn:	220		
Well num:	ANN ARBOR WELL #1 MONTGOMERY	Well id:	0
Const date:	1962-01-01 00:00:00.000	Case type:	Unknown
Case dia:	28		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	132		
Screen frm:	0		
Screen to:	0		
Swl:	999.99		
Test depth:	0		
Test hours:	0		
Test rate:	1250	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	1250
Latitude:	42.277985		
Longitude:	-83.764646		
Methd coll:	GPS Code Measurement Differential (DGPS)		
Elevation:	850		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	SWL > Well Depth		
Elev dem:	846	Elev dif:	4
Elev miv:	850	Aq code:	Unknown Lithology
Aq flag:	Not Reported		
Pct aq:	0		
Pct aq d:	0	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-3
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	100
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	100	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	100
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	100	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	100
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	100	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	100
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

G28
West
1/2 - 1 Mile
Higher

MI WELLS MI300000051391

Wellid:	81000013379	Import id:	Not Reported
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	36
Owner name:	EDWARD C. LEVY CO.		
Well addr:	3305 WEST LIBERTY		
Well depth:	172		
Well type:	Irrigation		
Wssn:	0		
Well num:	Not Reported	Driller id:	1924
Const date:	2003-03-19 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	132		
Screen frm:	132		
Screen to:	172		
Swl:	134		
Test depth:	134		
Test hours:	2		
Test rate:	100	Test methd:	Air
Grouted:	1	Pmp cpcity:	80
Latitude:	42.27358593		
Longitude:	-83.7976743		
Methd coll:	Address Matching-House Number		
Elevation:	971		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	977	Elev dif:	6
Elev miv:	971	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	88		
Pct aq d:	88	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	12

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	12	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	38	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	38	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand & Gravel
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	25
Pct maq 5:	0	Pct cm 5:	75
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	80	Pct maq 6:	0
Pct cm 6:	20	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	100
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	T		
Athk2:	38		
Horiz Conduct:	100		
Vert Conduct:	100		
T2:	3800		
D50plek:	234.54858		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

G29
West
1/2 - 1 Mile
Higher

MI WELLS MI3000000051390

Wellid:	81000004457	Import id:	81727525401
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	KILLINS CONCRETE		
Well addr:	3305 LIBERTY		
Well depth:	178		
Well type:	Type II public		
Wssn:	2047781		
Well num:	001	Driller id:	1290
Const date:	1989-01-10 00:00:00.000	Case type:	Steel-black
Case dia:	11		
Case depth:	178		
Screen frm:	162		
Screen to:	178		
Swl:	130		
Test depth:	133		
Test hours:	2		
Test rate:	180	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.27358593		
Longitude:	-83.7976743		
Methd coll:	Address Matching-House Number		
Elevation:	971		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	977	Elev dif:	6
Elev miv:	971	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	87		
Pct aq d:	87	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	13
Pct cm d:	13	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	48	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	48	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Wet/Moist	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	20
Pct maq 5:	0	Pct cm 5:	80
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	68	Pct maq 6:	0
Pct cm 6:	32	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	100
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	T		
Athk2:	48		
Horiz Conduct:	100		
Vert Conduct:	100		
T2:	4800		
D50plek:	369.93741		

**G30
West
1/2 - 1 Mile
Higher**

MI WELLS MI300000051392

Wellid:	81000013380	Import id:	Not Reported
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	36
Owner name:	EDWARD C. LEVY CO.		
Well addr:	3305 WEST LIBERTY		
Well depth:	173		
Well type:	Irrigation		
Wssn:	0		
Well num:	Not Reported	Driller id:	1924
Const date:	2003-03-18 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	140		
Screen frm:	140		
Screen to:	173		
Swl:	134		
Test depth:	134		
Test hours:	2		
Test rate:	80	Test methd:	Air
Grouted:	1	Pmp cpcity:	80
Latitude:	42.27358593		
Longitude:	-83.7976743		
Methd coll:	Address Matching-House Number		
Elevation:	971		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	977	Elev dif:	6
Elev miv:	971	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	88		
Pct aq d:	88	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	12
Pct cm d:	12	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	39	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	39	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand & Gravel
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	25
Pct maq 5:	0	Pct cm 5:	75
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	80	Pct maq 6:	0
Pct cm 6:	20	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	100
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	T		
Athk2:	39		
Horiz Conduct:	100		
Vert Conduct:	100		
T2:	3900		
D50plek:	246.73672		

**G31
West
1/2 - 1 Mile
Higher**

MI WELLS MI300000051394

Wellid:	81000013382	Import id:	Not Reported
County:	Washtenaw	Township:	Ann Arbor
Town range:	02S 06E	Section:	36
Owner name:	EDWARD C. LEVY CO.		
Well addr:	3305 WEST LIBERTY		
Well depth:	172		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	1924
Const date:	2003-06-05 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	172		
Screen frm:	162		
Screen to:	172		
Swl:	140		
Test depth:	140		
Test hours:	2		
Test rate:	25	Test methd:	Air
Grouted:	1	Pmp cpcity:	0
Latitude:	42.27358593		
Longitude:	-83.7976743		
Methd coll:	Address Matching-House Number		
Elevation:	971		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	977	Elev dif:	6
Elev miv:	971	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	80		
Pct aq d:	80	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	20

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	20	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	32	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	32	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	50	Pct maq 4:	0
Pct cm 4:	50	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	60
Pct maq 5:	0	Pct cm 5:	40
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	32	Pct maq 6:	0
Pct cm 6:	68	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	100
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

G32
West
1/2 - 1 Mile
Higher

MI WELLS MI3000000051393

Wellid:	81000013381	Import id:	Not Reported
County:	Washtenaw	Township:	Ann Arbor
Town range:	02S 06E	Section:	36
Owner name:	EDWARD C. LEVY CO.		
Well addr:	3305 WEST LIBERTY		
Well depth:	172		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	1924
Const date:	2003-06-03 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	122		
Screen frm:	162		
Screen to:	172		
Swl:	138		
Test depth:	138		
Test hours:	2		
Test rate:	25	Test methd:	Air
Grouted:	1	Pmp cpcity:	0
Latitude:	42.27358593		
Longitude:	-83.7976743		
Methd coll:	Address Matching-House Number		
Elevation:	971		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	977	Elev dif:	6
Elev miv:	971	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	72		
Pct aq d:	72	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	28
Pct cm d:	28	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	34	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	34	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	75	Pct maq 4:	0
Pct cm 4:	25	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	35
Pct maq 5:	0	Pct cm 5:	65
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	80
Pct maq 7:	0	Pct cm 7:	20
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

G33
West
1/2 - 1 Mile
Lower

MI WELLS MI300000051497

Wellid:	81000004437	Import id:	81727525012
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	A-2 AUTO SERVICES		
Well addr:	745 WAGNER RD		
Well depth:	166		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	524
Const date:	1967-10-23 00:00:00.000	Case type:	Unknown
Case dia:	4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	162		
Screen frm:	162		
Screen to:	166		
Swl:	68		
Test depth:	71		
Test hours:	2		
Test rate:	12	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2743957093		
Longitude:	-83.7982013371		
Methd coll:	Interpolation-Map		
Elevation:	948		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	958	Elev dif:	10
Elev miv:	948	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	6		
Pct aq d:	6	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	94
Pct cm d:	94	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	10	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	98	A pct aq2:	10
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	90	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Coarse	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	100	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	100
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Athk2:	98		
Horiz Conduct:	20.40825		
Vert Conduct:	.00011		
T2:	2000.0088		
D50plek:	328.86815		

**G34
West
1/2 - 1 Mile
Lower**

MI WELLS MI300000051423

Wellid:	8100004436	Import id:	81727525011
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	25
Owner name:	FULLER HEATING CO		
Well addr:	777 S WAGNER RD		
Well depth:	94		
Well type:	Other		
Wssn:	0		
Well num:	Not Reported	Driller id:	524
Const date:	1966-12-15 00:00:00.000	Case type:	Unknown
Case dia:	4		
Case depth:	0		
Screen frm:	88		
Screen to:	92		
Swl:	73		
Test depth:	73		
Test hours:	3		
Test rate:	10	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2738458623		
Longitude:	-83.7987861203		
Methd coll:	Interpolation-Map		
Elevation:	960		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	945	Elev dif:	15
Elev miv:	960	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	51		
Pct aq d:	51	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	2	Pct cm r:	0
Pct pcm:	47	Pct pcm d:	47
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	19	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	19	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand & Gravel
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	100	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	100
Pct na 2:	0	Pct aq 3:	80
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	20	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	T		
Athk2:	19		
Horiz Conduct:	100		
Vert Conduct:	100		
T2:	1900		
D50plek:	60.73203		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Result
48103	1/28/2006		1.3
48103	2/13/2006		1.3
48103	2/20/2006		1.3
48103	2/13/2006		1.3
48103	2/10/2006		1.3
48103	2/20/1996		1.3
48103	1/15/2003		1.3
48103	5/15/2003		1.3
48103	11/7/2002		1.3
48103	3/30/2004		1.3
48103	12/20/2003		1.3
48103	6/25/2004		1.3
48103	3/14/2009		1.3
48103	2/12/1999		1.2
48103	4/15/1996		1.2
48103	1/31/2003		1.2
48103	4/3/2008		1.2
48103	7/6/2001		1.2
48103	8/28/2002		1.2
48103	8/20/2003		1.2
48103	5/1/2003		1.2
48103	4/25/2005		1.2
48103	2/16/2004		1.2
48103	1/21/2005		1.2
48103	3/1/2005		1.2
48103	2/6/2006		1.2
48103	1/19/2006		1.2
48103	12/12/2006		1.2
48103	2/13/2006		1.2
48103	12/18/1995		1.1
48103	2/7/2003		1.1
48103	2/14/2005		1.1
48103	4/15/2005		1.1
48103	7/5/1995		1.1
48103	11/9/2001		1.1
48103	10/3/2000		1.2
48103	2/2/2009		1.2
48103	2/17/2009		1.2
48103	1/7/2010		1.2
48103	10/24/2007		1.1
48103	3/24/1995		1.1
48103	3/13/1995		1.1
48103	11/4/2004		1.1
48103	3/27/2006		1.1
48103	4/17/2006		1.1
48103	2/13/2006		1.1
48103			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	2/9/2006		1.1
48103	2/13/2006		1.1
48103	2/8/2006		1.1
48103	6/16/2006		1.1
48103	2/12/2008		1.1
48103	4/4/2003		1.0
48103	11/5/2004		1.0
48103	12/1/2008		1.1
48103	2/17/2009		1.1
48103	2/2/2009		1.1
48103	2/15/1999		1.0
48103	9/6/2005		1.9
48103	3/7/2005		1.9
48103	3/4/2006		1.9
48103	4/10/2006		1.9
48103	3/23/2006		1.9
48103	11/5/2001		1.9
48103	4/14/1997		1.9
48103	3/30/1998		1.9
48103	1/24/1996		1.9
48103	6/1/2002		1.9
48103	2/1/2003		1.9
48103	2/7/2003		1.9
48103	11/12/2004		1.9
48103	1/14/1995		1.0
48103	8/19/1994		1.0
48103	3/1/2007		1.0
48103	2/4/2006		1.0
48103	4/3/2006		1.0
48103	2/13/2006		1.0
48103	5/26/2009		1.0
48103	1/4/2008		1.0
48103	4/9/2007		1.0
48103	3/15/2008		1.0
48103	6/7/1995		1.8
48103	2/8/1999		1.8
48103	8/16/2003		1.8
48103	2/4/2006		1.9
48103	2/20/2006		1.9
48103	2/11/2006		1.9
48103	2/21/2006		1.9
48103	2/1/2006		1.9
48103	5/8/2006		1.9
48103	4/5/2008		1.9
48103	4/8/2008		1.9
48103	12/10/1999		1.9
48103	3/27/2009		1.9
48103	4/24/2006	<	0.3
48103	3/17/2008	<	0.3
48103	3/3/2007	<	0.3
48103	3/9/2007	<	0.3
48103	3/2/2007	<	0.3
48103	3/25/1997	<	0.3
48103	10/20/2006	<	0.3
48103	2/8/2006	<	0.3
48103	8/25/1995	<	0.3
48103			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	7/26/2005	<	0.3
48103	7/25/2005	<	0.3
48103	6/6/2005	<	0.3
48103	2/8/2006	<	0.3
48103	2/9/2006	<	0.3
48103	1/16/2004		0.5
48103	2/9/2004		0.5
48103	8/10/1995		0.3
48103	1/13/2004	<	0.3
48103	2/2/2006	<	0.3
48103	1/21/2004	<	0.3
48103	4/9/2004	<	0.3
48103	2/9/2006		0.5
48103	2/13/2006		0.5
48103	4/18/2008		0.5
48103	11/1/2001	<	0.3
48103	5/1/2006	<	0.3
48103	1/30/2006	<	0.3
48103	1/26/2006	<	0.3
48103	1/24/2006	<	0.3
48103	2/14/2006	<	0.3
48103	2/24/2007		0.5
48103	3/13/2003	<	0.3
48103	3/17/2003	<	0.3
48103	4/7/2003	<	0.3
48103	7/24/2002	<	0.3
48103	10/22/2002	<	0.3
48103	3/11/2000		0.5
48103	4/15/2009		0.5
48103	11/19/2009		0.5
48103	3/9/2007	<	0.3
48103	6/12/2008	<	0.3
48103	2/11/2002	<	0.3
48103	2/28/2004	<	0.3
48103	5/20/2008	<	0.3
48103	9/6/1994		0.4
48103	3/8/2004	<	0.3
48103	2/10/2004	<	0.3
48103	1/23/2008	<	0.3
48103	1/31/2008	<	0.3
48103	2/11/1999	<	0.3
48103	1/7/1998	<	0.3
48103	5/15/2002	<	0.3
48103	6/6/2002	<	0.3
48103	5/19/2003	<	0.3
48103	6/25/2007	<	0.3
48103	4/9/2007	<	0.3
48103	3/5/2002	<	0.3
48103	3/21/2006	<	0.3
48103	3/4/2006	<	0.3
48103	1/19/2007	<	0.3
48103	1/17/2007	<	0.3
48103	3/4/2006	<	0.3
48103	1/8/2007	<	0.3
48103	3/27/2006	<	0.3
48103	4/22/1997	<	0.3
48103			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	12/20/1995	0.8
48103	2/20/2003	0.5
48103	1/20/2003	0.5
48103	2/11/2003	0.5
48103	2/17/2009	1.0
48103	2/17/2009	1.0
48103	1/7/1998	0.8
48103	1/10/2003	0.8
48103	2/16/2002	0.8
48103	4/30/2005	0.7
48103	4/25/2005	0.7
48103	12/31/1993	0.9
48103	8/21/2003	0.8
48103	9/11/1995	0.9
48103	10/17/2005	0.6
48103	8/23/2003	0.9
48103	11/5/2001	0.9
48103	5/22/2003	0.9
48103	2/24/2004	0.6
48103	11/5/2004	0.6
48103	1/27/2006	0.6
48103	1/31/2005	0.8
48103	1/24/2004	0.8
48103	2/4/2006	0.7
48103	2/1/2003	0.9
48103	2/2/2007	0.6
48103	2/13/2006	0.8
48103	2/8/2007	0.7
48103	10/20/2008	0.7
48103	4/24/2006	0.8
48103	4/5/2008	0.7
48103	8/18/2007	0.7
48103	5/16/2005	0.9
48103	12/10/2007	0.8
48103	3/7/2006	0.9
48103	2/20/2006	0.9
48103	2/10/2006	0.9
48103	2/20/2006	0.9
48103	2/10/2006	0.9
48103	6/5/1999	0.6
48103	3/1/2008	0.8
48103	11/28/1994	0.7
48103	2/24/1995	0.7
48103	9/21/2000	0.7
48103	11/21/2005	0.9
48103	6/29/2001	0.8
48103	2/10/2009	0.6
48103	11/2/2007	0.9
48103	1/7/2008	0.9
48103	11/19/2009	0.6
48103	5/27/1994	0.8
48103	1/26/2009	0.8
48103	2/5/2009	0.7
48103	4/23/1997	0.6
48103	5/3/1996	0.6
48103	4/27/1995	0.9
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

48103	8/27/1996	0.5
48103	12/2/1996	0.5
48103	11/23/2009	0.8
48103	2/17/2009	0.8
48103	11/9/2001	0.7
48103	1/7/1998	0.6
48103	12/2/1996	0.6
48103	2/19/2003	0.6
48103	11/22/2002	0.6
48103	6/12/2009	0.9
48103	3/19/2002	0.5
48103	10/21/1996	0.7
48103	2/7/2003	0.7
48103	3/13/2002	0.7
48103	7/5/2003	0.6
48103	3/29/2002	0.6
48103	1/25/2003	0.6
48103	9/2/2009	0.9
48103	4/21/1995	1.8
48103	3/21/2009	1.8
48103	5/9/2009	1.8
48103	11/12/2009	1.8
48103	11/4/2005	1.8
48103	2/10/2006	1.8
48103	2/9/2006	1.8
48103	2/27/2006	1.8
48103	2/20/2006	1.8
48103	12/16/2006	1.8
48103	5/22/2009	2.9
48103	9/6/2007	2.9
48103	3/3/2008	2.9
48103	5/13/1999	2.8
48103	3/16/1995	2.8
48103	12/21/2009	2.8
48103	11/3/2009	2.7
48103	3/15/1997	2.6
48103	3/5/1999	2.6
48103	2/24/2009	2.6
48103	6/22/2009	2.6
48103	4/4/2000	2.9
48103	2/3/2000	2.9
48103	5/31/1999	2.9
48103	2/6/2001	2.9
48103	5/22/2006	2.5
48103	3/25/1994	2.5
48103	1/23/1996	2.5
48103	4/18/1997	2.5
48103	6/14/2003	2.5
48103	1/3/2006	2.5
48103	8/18/2007	2.5
48103	3/16/2007	2.5
48103	10/20/1994	2.5
48103	8/8/1994	2.5
48103	2/25/2000	2.5
48103	4/19/1999	2.5
48103	3/2/1995	2.5
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	1/14/2009	2.5
48103	2/6/2009	2.5
48103	2/12/2009	2.5
48103	1/30/2009	2.5
48103	7/13/2009	2.5
48103	8/30/1997	2.4
48103	2/1/2003	2.4
48103	9/3/2002	2.4
48103	2/14/2004	2.4
48103	9/27/2004	2.4
48103	6/26/2006	2.4
48103	9/5/2007	2.4
48103	4/8/2008	2.4
48103	11/24/2008	2.4
48103	4/17/2006	2.2
48103	2/10/2006	2.2
48103	1/24/2009	2.4
48103	3/16/2009	2.4
48103	4/20/1994	2.3
48103	3/21/2008	2.2
48103	3/9/2009	2.3
48103	4/10/2009	2.3
48103	7/6/2001	2.2
48103	12/6/1999	2.2
48103	3/6/2003	2.3
48103	4/18/2003	2.3
48103	3/14/1998	2.2
48103	6/18/1994	2.2
48103	9/6/1994	2.2
48103	9/15/1994	2.2
48103	10/1/2004	2.3
48103	6/12/1996	2.2
48103	2/26/2009	2.2
48103	12/29/1997	2.1
48103	8/19/2005	2.3
48103	3/1/2005	2.3
48103	2/28/2005	2.2
48103	3/2/1999	2.1
48103	2/16/1996	2.1
48103	9/12/1997	2.1
48103	2/6/2006	2.3
48103	2/9/2007	2.3
48103	2/3/2007	2.3
48103	2/4/2006	2.3
48103	2/27/2006	2.3
48103	2/26/2004	2.2
48103	2/7/2004	2.2
48103	2/6/2006	2.2
48103	3/26/2002	2.1
48103	11/2/2001	2.1
48103	6/26/2006	3.0
48103	4/25/2006	3.0
48103	4/10/2006	3.0
48103	4/3/2006	3.0
48103	12/10/2007	3.0
48103	1/10/2009	2.9
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	2/5/2009	2.9
48103	2/13/2009	2.9
48103	3/2/2009	2.9
48103	2/8/1996	2.7
48103	11/5/2001	2.7
48103	5/8/2002	2.7
48103	3/21/2003	2.6
48103	2/8/2008	3.0
48103	2/25/2000	3.0
48103	1/10/2003	2.7
48103	2/9/2005	2.7
48103	1/13/2005	2.7
48103	11/7/2001	2.6
48103	4/4/2005	2.6
48103	8/27/2004	2.6
48103	5/26/2000	3.0
48103	11/20/2003	2.8
48103	1/21/2002	2.8
48103	2/3/2003	2.8
48103	1/29/2003	2.8
48103	2/14/2004	2.7
48103	7/11/2006	2.7
48103	12/6/2006	2.7
48103	1/31/2006	2.6
48103	2/16/2007	2.6
48103	2/5/2007	2.6
48103	1/28/2006	2.6
48103	12/12/2005	2.6
48103	1/24/2006	2.6
48103	2/13/2006	2.6
48103	2/9/2006	2.6
48103	11/27/1998	2.9
48103	4/14/1997	2.9
48103	2/7/1994	2.9
48103	1/31/1994	2.9
48103	7/16/2004	2.8
48103	2/4/2006	2.8
48103	3/10/2006	2.8
48103	2/2/2007	2.8
48103	11/28/2005	2.8
48103	2/6/2006	2.7
48103	4/22/2006	2.7
48103	12/10/2007	2.7
48103	2/13/2007	2.6
48103	5/22/2009	2.6
48103	3/3/2007	2.6
48103	11/9/2007	2.6
48103	5/3/2003	2.9
48103	2/25/2002	2.9
48103	2/25/2002	2.9
48103	1/25/2003	2.9
48103	6/1/2002	2.9
48103	1/28/2003	2.9
48103	9/6/2005	2.9
48103	5/1/2006	2.8
48103	2/12/2007	2.8
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	2/9/2007		2.8
48103	1/30/2006		2.8
48103	1/14/2008		2.8
48103	7/2/1994		2.6
48103	11/29/1994		2.6
48103	11/6/2000		2.6
48103	6/16/2005		2.9
48103	2/20/2006		2.9
48103	2/22/2007		2.9
48103	2/6/2006		2.9
48103	5/16/2008		2.8
48103	10/12/2007		2.8
48103	5/7/2007		2.8
48103	12/21/2009		2.7
48103	2/14/2009		2.7
48103	3/2/2009		2.7
48103	3/19/2009	<	0.3
48103	2/6/2006		3.8
48103	11/7/2005		3.8
48103	7/24/2006		3.8
48103	2/2/2007		3.8
48103	1/10/2008		3.8
48103	1/18/2008		3.8
48103	2/20/2007		3.8
48103	12/8/2004		3.6
48103	8/27/2004		3.6
48103	3/31/2004		3.6
48103	2/16/2007		3.6
48103	2/25/2008	<	0.3
48103	3/9/2007	<	0.3
48103	2/23/2009	<	0.3
48103	2/24/2009	<	0.3
48103	2/7/2001		3.8
48103	11/12/2009		3.8
48103	1/26/2007		3.6
48103	12/19/2005		3.6
48103	2/6/2006		3.6
48103	11/9/2007		3.6
48103	1/29/2009		3.6
48103	1/31/2009		3.6
48103	4/3/2009		3.6
48103	2/6/2009		3.6
48103	10/28/1997		3.5
48103	4/7/2004		3.5
48103	7/12/2005		3.5
48103	6/16/2004		3.5
48103	1/15/2004		3.5
48103	11/13/2004		3.5
48103	12/2/1994	<	0.3
48103	3/14/1995	<	0.3
48103	3/27/2009		3.5
48103	2/28/2005		3.5
48103	2/13/2006		3.5
48103	8/4/2006		3.5
48103	2/6/2006		3.5
48103	1/30/2006		3.5
48103			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	5/22/2007		3.5
48103	8/3/1998		3.4
48103	1/31/1994		3.4
48103	10/15/1998		3.4
48103	1/16/2003		3.4
48103	10/14/2004		3.4
48103	2/6/2007		3.4
48103	1/30/2006		3.4
48103	5/1/2006		3.4
48103	2/13/2006		3.4
48103	2/9/2006		3.4
48103	6/5/2006		3.4
48103	10/24/2000	<	0.3
48103	10/25/2000	<	0.3
48103	2/11/2003		3.2
48103	1/30/2003		3.2
48103	5/31/2003		3.2
48103	10/29/2001		3.2
48103	12/20/2001		3.2
48103	5/16/2002		3.2
48103	1/6/2007		3.1
48103	1/27/2006		3.1
48103	9/21/2000	<	0.3
48103	9/21/2000	<	0.3
48103	8/7/2000	<	0.3
48103	3/4/2006		3.2
48103	4/22/2006		3.2
48103	2/15/2006		3.2
48103	2/4/2006		3.2
48103	10/17/2008		3.1
48103	3/15/2008		3.1
48103	3/5/2009		3.4
48103	8/20/2001		3.3
48103	11/16/1996		3.3
48103	2/12/1999		3.3
48103	1/26/2001	<	0.3
48103	2/9/2001	<	0.3
48103	7/5/1994		3.1
48103	10/30/2002		3.3
48103	3/10/2003		3.3
48103	2/18/2004		3.3
48103	11/16/2006		3.2
48103	11/15/2007		3.2
48103	6/14/1999	<	0.3
48103	6/21/1999	<	0.3
48103	6/19/1999	<	0.3
48103	12/10/2004		3.3
48103	2/6/2006		3.3
48103	2/13/2007		3.3
48103	2/8/2006		3.3
48103	2/6/2006		3.3
48103	7/22/2008		3.2
48103	3/15/2008		3.2
48103	12/10/1994		3.2
48103	1/24/2001		3.2
48103	3/6/2009		3.1
48103			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	1/9/2010		3.1
48103	2/10/2009		3.1
48103	2/4/2009		3.2
48103	8/3/1998		3.1
48103	2/15/1999		3.1
48103	10/19/1998		3.0
48103	2/18/1999		3.0
48103	2/22/1999		3.0
48103	11/3/2003		3.0
48103	11/9/2007		3.3
48103	2/8/1999		3.9
48103	2/24/2003		3.9
48103	12/13/2002		3.9
48103	3/28/2003		3.9
48103	6/26/2003		3.9
48103	2/6/2009		3.8
48103	11/29/1995		3.7
48103	10/14/1995		3.7
48103	11/2/2002		3.1
48103	8/17/2009	<	0.3
48103	2/2/2004		3.9
48103	1/24/2005		3.9
48103	11/13/2004		3.9
48103	10/16/2006		3.9
48103	1/28/2003		3.7
48103	10/17/2005		3.7
48103	2/14/2005		3.7
48103	11/22/2004		3.7
48103	9/6/2005		3.7
48103	10/31/2005		3.7
48103	2/15/2005		3.0
48103	3/7/2005		3.0
48103	2/6/2004		3.0
48103	12/11/2009	<	0.3
48103	3/30/2006		3.9
48103	11/9/2007		3.9
48103	1/18/1995		3.9
48103	9/10/1999		3.9
48103	1/10/2000		3.9
48103	4/9/2007		3.7
48103	2/9/2006		3.7
48103	2/8/2007		3.7
48103	3/20/2008		3.7
48103	8/17/1999		3.3
48103	4/3/2009		3.3
48103	11/10/2009	<	0.3
48103	11/2/2009	<	0.3
48103	3/2/2009		3.9
48103	2/26/2009		3.9
48103	6/9/2007		3.7
48103	12/14/2007		3.7
48103	2/26/2007		3.7
48103	10/31/2008		3.7
48103	10/29/2007		3.7
48103	7/27/2007		3.7
48103	6/3/1994		3.7
48103			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	3/6/2003		3.1
48103	11/2/2001		3.1
48103	12/17/2004		3.1
48103	2/15/2005		3.1
48103	11/1/2004		3.1
48103	3/27/1998		3.8
48103	4/4/2000		3.7
48103	3/20/2009		3.7
48103	2/14/2009		3.7
48103	6/24/2009		3.7
48103	3/27/2009		3.7
48103	7/9/1994		3.4
48103	4/20/1999		3.4
48103	6/29/2009	<	0.3
48103	4/15/2009	<	0.3
48103	10/30/2001		3.8
48103	3/20/2003		3.8
48103	12/13/2001		3.8
48103	12/1/2003		3.8
48103	8/2/2005		3.8
48103	5/14/2005		3.8
48103	11/5/2001		3.6
48103	4/14/1997		3.2
48103	2/27/2009	<	0.3
48103	2/27/2009	<	0.3
48103	2/26/2009	<	0.3
48103	3/4/2006		1.7
48103	4/28/2007		1.7
48103	2/16/1999		1.7
48103	11/16/2001		1.7
48103	6/17/2002		1.7
48103	8/11/2003		1.7
48103	10/27/2001		1.7
48103	3/13/2003		1.7
48103	10/29/2002		1.7
48103	2/22/2003		1.7
48103	6/25/2004		1.7
48103	11/3/2004		1.7
48103	3/26/2004		1.7
48103	4/21/2005		1.7
48103	2/15/2005		1.7
48103	2/16/2007		1.7
48103	2/6/2006		1.7
48103	1/14/2003		7.6
48103	2/14/2004		7.6
48103	3/3/2007		7.6
48103	3/27/2009		7.3
48103	12/14/1998		7.2
48103	9/26/2006		7.2
48103	2/4/2006		7.2
48103	9/2/2008		6.9
48103	1/14/2000		6.9
48103	3/14/2009		6.9
48103	11/28/1997		6.8
48103	4/16/2005		6.6
48103	4/10/2006		6.6
48103			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	10/23/2007	6.6
48103	8/11/2008	6.6
48103	7/17/2001	6.6
48103	1/24/2000	7.6
48103	4/6/2009	7.6
48103	2/22/1999	7.5
48103	5/1/2003	7.5
48103	2/2/2007	7.5
48103	2/7/2006	7.5
48103	6/5/1999	7.2
48103	1/24/2009	7.2
48103	12/21/2002	7.1
48103	10/17/2005	7.1
48103	2/20/2006	6.8
48103	11/7/2007	6.8
48103	7/13/2009	6.8
48103	4/24/2003	6.5
48103	3/16/2005	6.5
48103	6/11/2004	6.5
48103	2/25/2006	6.5
48103	1/26/2006	6.5
48103	4/16/2008	6.5
48103	8/18/2007	6.5
48103	7/24/2007	6.5
48103	4/28/2007	6.5
48103	8/13/1999	6.5
48103	2/12/2009	6.5
48103	4/3/2009	6.5
48103	4/3/2009	6.5
48103	2/7/2003	6.4
48103	6/1/2002	6.4
48103	2/27/2007	6.4
48103	6/9/2008	6.4
48103	7/21/1994	6.4
48103	11/13/2009	6.4
48103	5/22/2009	6.4
48103	4/13/2009	6.3
48103	11/9/2009	6.3
48103	11/3/2009	6.3
48103	11/3/1997	6.2
48103	7/15/1996	6.2
48103	2/4/1994	6.2
48103	6/5/2003	6.2
48103	10/17/2001	6.2
48103	2/24/2003	6.2
48103	1/22/2007	6.2
48103	2/27/2007	6.2
48103	1/28/2006	6.2
48103	11/22/2008	6.2
48103	12/6/2005	6.1
48103	6/14/1999	6.1
48103	6/9/2006	4.9
48103	2/9/2006	4.9
48103	2/17/2006	4.9
48103	3/13/2006	4.9
48103	12/10/2007	4.9
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	2/28/2009	6.1
48103	3/7/1994	6.0
48103	8/24/2002	6.0
48103	6/2/2003	6.0
48103	8/1/2005	6.0
48103	4/2/2004	6.0
48103	5/25/2006	5.6
48103	1/20/2007	5.6
48103	1/12/2008	5.6
48103	11/9/2007	5.6
48103	1/25/2010	5.6
48103	4/17/2006	5.2
48103	11/23/2007	5.2
48103	12/24/2008	5.2
48103	4/10/2007	5.2
48103	4/3/2004	4.6
48103	2/10/2007	4.6
48103	1/24/2006	4.6
48103	1/26/2006	6.0
48103	1/28/2006	6.0
48103	10/11/2008	6.0
48103	1/15/2000	6.0
48103	12/8/2009	6.0
48103	2/12/2009	5.6
48103	9/17/1998	5.5
48103	4/24/1996	5.5
48103	2/15/2000	5.2
48103	7/3/2009	5.2
48103	3/28/1998	5.1
48103	6/11/2001	4.9
48103	2/12/2009	4.9
48103	2/13/1998	4.8
48103	8/3/1998	4.8
48103	3/27/1999	5.9
48103	2/19/1996	5.9
48103	2/16/1999	5.9
48103	3/8/1997	5.9
48103	2/9/2002	5.9
48103	12/17/2001	5.9
48103	4/5/2003	5.9
48103	12/9/2003	5.9
48103	11/28/2005	5.9
48103	4/19/2004	5.9
48103	12/26/2009	5.5
48103	2/28/2003	5.1
48103	6/1/2002	5.1
48103	7/31/2009	4.8
48103	12/3/2008	4.8
48103	4/14/1997	4.7
48103	10/4/1995	4.7
48103	2/11/2006	5.9
48103	10/24/2007	5.9
48103	9/15/2008	5.9
48103	7/1/1999	5.9
48103	5/5/1999	5.9
48103	3/27/2000	5.9
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	1/27/2000	5.9
48103	2/20/2009	5.9
48103	11/16/2009	5.9
48103	2/17/2009	5.9
48103	4/6/2009	5.5
48103	12/8/2008	5.5
48103	11/24/1997	5.4
48103	11/24/1997	5.4
48103	1/23/2003	5.4
48103	5/9/2003	5.4
48103	12/22/2003	5.4
48103	1/28/2006	5.1
48103	4/9/2007	5.1
48103	2/20/1995	5.1
48103	1/13/2003	4.7
48103	8/7/2003	4.7
48103	3/28/2005	4.7
48103	1/29/2003	5.8
48103	2/15/2005	5.8
48103	4/27/2006	5.8
48103	2/14/2006	5.4
48103	2/13/2006	5.4
48103	3/22/2007	5.4
48103	10/30/1995	5.0
48103	8/15/1997	5.0
48103	2/12/1999	5.0
48103	2/7/2003	5.0
48103	2/27/2003	5.0
48103	10/29/2001	5.0
48103	1/20/2003	5.0
48103	1/25/2003	4.8
48103	11/5/2002	4.8
48103	4/2/2003	4.8
48103	11/1/2001	4.8
48103	7/5/2005	4.8
48103	2/20/2006	4.8
48103	3/27/2009	5.4
48103	1/24/2009	5.4
48103	1/24/2009	5.4
48103	5/1/1997	5.3
48103	1/5/2002	5.3
48103	2/2/2007	5.0
48103	3/14/2006	5.0
48103	1/28/2006	5.0
48103	2/15/2000	4.7
48103	11/2/2009	4.7
48103	8/7/2009	4.7
48103	2/5/2002	5.7
48103	4/23/2005	5.7
48103	6/22/2006	5.7
48103	8/2/2004	5.3
48103	1/28/2006	5.3
48103	2/13/2006	5.3
48103	2/11/2006	5.3
48103	6/22/2001	5.0
48103	8/25/2006	4.7
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	4/18/2008	4.7
48103	5/22/2009	4.7
48103	2/15/2000	4.7
48103	4/21/2008	5.7
48103	9/24/2007	5.7
48103	12/10/2005	5.3
48103	6/9/2008	5.3
48103	10/2/2008	5.3
48103	2/21/2009	5.3
48103	3/1/1999	4.9
48103	5/20/1997	4.9
48103	11/5/2002	4.9
48103	1/15/2002	4.9
48103	2/3/2003	4.9
48103	4/9/2002	4.9
48103	4/30/2004	4.9
48103	1/18/2007	4.8
48103	3/21/2008	4.8
48103	2/8/1999	5.6
48103	2/16/1998	5.6
48103	10/27/2001	5.6
48103	12/26/2009	5.3
48103	3/5/1998	5.2
48103	7/20/1995	5.2
48103	2/3/2003	5.2
48103	4/11/2003	5.2
48103	6/1/2002	5.2
48103	12/22/2003	5.2
48103	7/5/2005	5.2
48103	12/19/1996	7.9
48103	3/21/2002	7.9
48103	11/1/2002	7.9
48103	1/18/2002	7.9
48103	3/5/2007	7.9
48103	10/24/2007	7.5
48103	5/2/2000	7.5
48103	8/21/2000	7.5
48103	9/29/1999	7.5
48103	7/13/2009	7.5
48103	1/21/2002	7.4
48103	1/16/2003	7.4
48103	8/19/2005	7.4
48103	2/18/2005	7.4
48103	2/5/2007	7.1
48103	8/9/2007	7.1
48103	2/17/2009	7.1
48103	6/27/1995	7.0
48103	3/5/1999	7.0
48103	9/1/1998	6.7
48103	9/29/1997	6.7
48103	1/29/2003	6.7
48103	11/26/2001	6.7
48103	2/13/2003	6.7
48103	2/2/2007	6.7
48103	4/13/2009	7.9
48103	4/3/2006	7.8
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	2/13/2006	7.4
48103	12/11/2009	7.4
48103	9/6/1997	7.3
48103	2/20/2006	7.0
48103	5/22/2008	6.7
48103	2/7/2000	6.7
48103	7/2/2001	6.7
48103	2/6/2009	6.7
48103	11/21/2009	6.7
48103	4/3/1999	7.8
48103	2/10/2000	7.8
48103	1/24/2009	7.8
48103	1/26/2009	7.8
48103	2/2/2007	7.7
48103	5/7/2003	7.3
48103	10/26/2002	7.3
48103	2/11/2003	7.3
48103	2/15/2006	7.3
48103	5/4/2006	7.3
48103	1/21/1995	7.3
48103	12/3/2001	6.9
48103	2/28/2002	6.9
48103	1/17/2009	2.0
48103	3/5/2009	2.0
48103	5/28/1994	25.5
48103	2/15/2006	25.3
48103	2/20/2006	23.8
48103	12/11/2002	23.6
48103	4/2/1997	23.4
48103	3/10/2009	18.3
48103	5/8/2003	18.2
48103	6/6/2002	18.1
48103	12/9/2002	17.6
48103	7/8/2003	2.0
48103	7/18/2003	2.0
48103	11/12/2001	2.0
48103	10/6/2003	2.0
48103	4/9/1997	59.5
48103	2/7/2006	49.8
48103	1/8/2007	49.2
48103	3/11/1996	48.9
48103	6/27/2008	48.5
48103	3/18/1999	44.8
48103	4/3/2006	42.1
48103	1/27/2009	23.1
48103	11/1/2004	22.6
48103	10/14/1996	22.2
48103	2/6/2009	21.9
48103	2/10/2003	17.4
48103	4/15/2006	17.1
48103	10/29/2001	16.9
48103	4/3/2009	16.9
48103	11/20/2004	16.8
48103	1/10/2003	16.7
48103	2/20/1999	16.3
48103	7/31/2006	16.1
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	10/22/2007	16.1
48103	1/22/2008	16.0
48103	2/9/2009	16.0
48103	12/7/2005	15.9
48103	11/14/2002	15.7
48103	12/1/1997	14.1
48103	1/5/2002	14.1
48103	10/21/2004	14.1
48103	12/24/2005	14.1
48103	4/3/2006	14.0
48103	4/7/2008	14.0
48103	2/12/2000	14.0
48103	12/18/1996	13.9
48103	2/7/2003	13.9
48103	1/17/1996	13.7
48103	2/11/1995	15.4
48103	10/28/2000	15.4
48103	7/20/2004	15.1
48103	5/18/2007	15.1
48103	3/5/2009	15.1
48103	3/23/2004	15.0
48103	6/27/2003	14.9
48103	11/6/2001	14.7
48103	10/15/2004	14.7
48103	11/24/2007	14.7
48103	2/26/2009	14.6
48103	1/23/2001	14.5
48103	10/29/2001	14.3
48103	2/21/2003	14.2
48103	6/5/2004	14.2
48103	2/21/2008	13.6
48103	3/29/1999	13.5
48103	4/30/2005	13.5
48103	2/7/2006	13.5
48103	2/16/2007	13.5
48103	10/26/1996	13.4
48103	9/12/1997	13.4
48103	6/11/1999	13.4
48103	12/23/2002	13.3
48103	10/29/2001	13.2
48103	2/18/2005	13.2
48103	2/11/1995	13.1
48103	2/5/1996	13.0
48103	4/27/2004	13.0
48103	3/3/2006	13.0
48103	7/25/2003	12.9
48103	1/17/2004	12.9
48103	10/30/2001	12.8
48103	1/18/2003	12.7
48103	2/6/2006	12.7
48103	3/2/2009	12.6
48103	9/13/2006	12.5
48103	4/17/1998	12.4
48103	10/22/2001	12.4
48103	11/9/2001	12.4
48103	2/16/1995	9.0
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	11/12/2009	9.0
48103	3/12/2005	8.9
48103	4/16/2004	8.9
48103	2/9/2007	8.9
48103	8/28/1999	8.9
48103	11/27/2009	12.4
48103	11/6/1995	12.2
48103	1/21/2003	11.1
48103	4/28/2001	11.1
48103	1/20/2003	11.0
48103	5/12/1999	10.2
48103	1/17/2002	10.1
48103	5/3/2004	10.1
48103	10/26/2004	10.1
48103	2/26/2004	10.1
48103	4/25/2006	10.1
48103	3/14/2006	10.1
48103	6/18/1999	10.1
48103	6/3/1995	10.0
48103	2/28/2003	10.0
48103	10/13/1998	8.0
48103	3/22/1996	12.0
48103	3/6/2009	12.0
48103	2/12/1999	11.9
48103	2/2/2009	11.9
48103	11/16/2006	10.9
48103	11/13/2002	10.8
48103	1/21/2003	10.8
48103	3/17/2008	10.8
48103	3/14/2000	10.8
48103	7/12/1997	10.7
48103	10/30/1997	10.7
48103	2/22/1999	10.7
48103	5/16/2009	10.0
48103	12/6/2001	9.9
48103	2/2/2007	9.9
48103	6/6/1994	8.9
48103	6/25/2009	8.9
48103	3/12/2003	8.8
48103	2/25/2006	8.8
48103	2/2/2007	8.8
48103	2/15/2000	8.8
48103	2/13/2006	11.8
48103	2/3/2006	11.8
48103	4/7/2008	11.8
48103	11/6/2001	11.7
48103	11/27/2004	11.7
48103	1/30/2006	11.7
48103	2/6/2009	11.7
48103	1/24/2005	11.6
48103	4/7/2003	10.7
48103	10/29/2001	10.7
48103	4/5/2004	10.6
48103	4/7/2006	10.6
48103	3/25/1999	10.5
48103	12/1/2009	9.8
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	7/23/2002	9.7
48103	7/21/2004	9.7
48103	4/3/2006	8.5
48103	2/20/2006	8.5
48103	3/30/2006	8.5
48103	4/10/2006	8.5
48103	9/24/2007	8.5
48103	1/21/2003	8.4
48103	11/5/2004	8.4
48103	2/27/2006	11.6
48103	11/16/2007	11.6
48103	10/29/2007	11.4
48103	6/18/1999	11.4
48103	7/24/2004	10.5
48103	11/16/2005	10.5
48103	6/5/2006	10.5
48103	2/21/2009	10.5
48103	3/30/2004	10.4
48103	2/27/2006	9.7
48103	2/7/2006	9.7
48103	1/6/2006	9.6
48103	10/2/2007	9.6
48103	2/27/2006	8.4
48103	5/1/2006	8.4
48103	4/4/2009	8.4
48103	2/22/1999	8.3
48103	3/30/2004	8.3
48103	5/15/2008	11.3
48103	3/15/1996	11.2
48103	2/16/2005	11.2
48103	2/27/2006	11.2
48103	2/13/2009	10.4
48103	8/30/2006	10.3
48103	10/10/2007	10.3
48103	11/28/1998	10.2
48103	3/21/2003	10.2
48103	12/1/2003	10.2
48103	5/5/1997	9.5
48103	2/11/2002	9.4
48103	2/28/2003	8.7
48103	6/18/2004	8.7
48103	12/22/2006	8.7
48103	9/13/2008	8.7
48103	11/29/1999	8.7
48103	12/9/2002	2.1
48103	1/12/2005	2.1
48103	3/7/2005	2.1
48103	3/11/2004	2.1
48103	4/16/2005	2.0
48103	11/4/2005	2.0
48103	9/6/2005	2.0
48103	4/28/2007	9.4
48103	4/4/2003	9.3
48103	8/13/1999	8.2
48103	2/2/2009	8.2
48103	4/17/2002	8.1
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	2/17/2006	8.1
48103	3/18/2005	2.1
48103	3/4/2006	2.1
48103	1/28/2006	2.1
48103	3/23/2006	2.0
48103	2/8/2006	2.0
48103	3/31/2006	2.0
48103	11/16/1995	9.2
48103	4/8/1997	9.2
48103	7/28/2004	9.2
48103	7/12/1997	9.1
48103	3/22/2008	8.3
48103	1/31/1995	8.3
48103	2/22/2003	8.2
48103	4/8/2002	8.2
48103	4/5/2004	8.2
48103	12/9/2004	8.2
48103	2/27/2006	8.2
48103	5/8/2006	8.2
48103	2/27/2006	2.1
48103	5/22/2009	2.1
48103	5/22/2006	2.0
48103	2/18/2000	9.1
48103	2/3/2009	9.1
48103	8/26/1995	9.0
48103	10/27/2001	9.0
48103	4/22/2002	9.0
48103	7/17/2006	9.0
48103	9/6/2005	8.6
48103	4/15/1999	8.6
48103	12/1/2000	8.6
48103	11/16/2009	8.6
48103	8/27/2001	8.5
48103	3/28/2008	2.1
48103	11/30/1994	2.1
48103	3/20/2008	2.0
48103	10/25/2002	21.6
48103	1/13/2003	20.9
48103	6/18/2001	30.6
48103	6/1/1998	20.2
48103	1/13/2003	20.0
48103	12/10/2002	19.6
48103	8/17/2009	2.1
48103	6/9/2009	2.1
48103	3/5/2009	2.1
48103	1/9/2009	2.0
48103	1/18/2002	28.6
48103	5/28/1994	26.7
48103	2/20/2009	19.2
48103	4/3/2009	19.1
48103	5/21/2003	18.7
48103	4/10/2006	18.7
48103	2/9/2009	18.7
48103	6/27/1995	1.6
48103	2/20/1999	1.6
48103	11/24/2003	1.6
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	10/27/2001	1.6
48103	12/6/2001	1.6
48103	1/17/2002	1.6
48103	1/30/2004	1.6
48103	5/28/2007	1.6
48103	6/5/2009	4.5
48103	2/6/2009	4.5
48103	2/21/2009	4.5
48103	3/6/2009	4.5
48103	2/2/2009	4.5
48103	10/20/1997	4.4
48103	7/21/2003	4.4
48103	2/22/2007	4.3
48103	2/2/2006	4.3
48103	2/10/2000	4.2
48103	2/11/2009	4.2
48103	2/14/2009	4.2
48103	2/21/2009	4.2
48103	3/20/2009	4.2
48103	5/30/2003	4.0
48103	2/7/2003	4.0
48103	8/28/2004	4.0
48103	1/28/2002	4.4
48103	2/15/2005	4.4
48103	4/12/2004	4.4
48103	11/7/2005	4.4
48103	5/7/2009	4.3
48103	9/24/2007	4.3
48103	3/2/1998	4.1
48103	10/25/2001	4.1
48103	12/5/2001	4.1
48103	11/3/2001	4.1
48103	6/1/2002	4.1
48103	2/7/2003	4.1
48103	2/13/2006	4.0
48103	3/6/2006	4.0
48103	5/7/2009	4.0
48103	7/6/2007	4.6
48103	5/22/2006	4.4
48103	1/28/2006	4.4
48103	2/14/2006	4.4
48103	7/20/2007	4.4
48103	1/28/2000	4.4
48103	1/11/2000	4.4
48103	1/24/2009	4.3
48103	3/16/2009	4.3
48103	11/24/2009	4.3
48103	4/30/2003	4.1
48103	2/20/2006	4.1
48103	12/16/2006	4.1
48103	6/22/2006	4.1
48103	1/18/2010	4.6
48103	2/21/2009	4.6
48103	2/17/2009	4.6
48103	5/14/1997	4.5
48103	4/6/1998	4.5
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	10/30/2001	4.5
48103	1/31/1994	4.4
48103	3/27/2009	4.4
48103	3/25/2009	4.4
48103	8/25/2003	4.2
48103	10/30/2002	4.2
48103	12/13/2002	4.2
48103	3/14/2003	4.2
48103	3/28/2003	4.2
48103	5/8/2006	4.2
48103	1/26/2006	4.1
48103	2/13/2006	4.1
48103	5/14/2009	4.1
48103	3/9/2007	4.1
48103	3/31/2008	4.1
48103	11/8/2001	4.5
48103	2/6/2007	4.5
48103	4/22/2006	4.5
48103	1/28/2006	4.5
48103	3/13/2006	4.5
48103	11/6/2006	4.5
48103	7/16/2002	4.3
48103	1/17/2002	4.3
48103	10/27/2001	4.3
48103	2/21/2006	4.2
48103	2/13/2006	4.2
48103	7/27/2001	4.1
48103	2/7/2009	4.1
48103	2/6/2009	4.1
48103	5/5/1997	4.0
48103	4/18/1997	4.0
48103	2/8/2006	4.5
48103	4/4/2000	4.5
48103	4/16/2009	1.6
48103	2/17/2009	1.6
48103	3/18/1999	1.5
48103	9/11/1995	1.5
48103	7/5/1995	1.5
48103	2/3/2007	1.6
48103	11/7/2005	1.6
48103	2/15/2007	1.6
48103	4/10/2006	1.6
48103	4/10/2006	1.6
48103	4/24/2006	1.6
48103	6/3/2006	1.6
48103	2/4/2006	1.6
48103	3/2/2007	1.6
48103	8/18/2007	1.6
48103	4/8/2008	1.6
48103	8/9/1999	1.6
48103	3/6/2009	1.6
48103	8/17/2009	1.6
48103	2/16/2007	1.5
48103	10/7/2006	1.5
48103	7/17/2006	1.5
48103	7/11/2008	1.5
48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	6/13/2001	1.5
48103	3/6/2002	1.5
48103	11/6/2001	1.5
48103	5/21/2005	1.5
48103	3/2/2005	1.5
48103	3/26/2003	1.4
48103	2/28/2004	1.4
48103	2/13/2006	1.4
48103	4/18/2009	1.5
48103	4/25/2009	1.5
48103	5/9/2009	1.5
48103	2/5/2009	1.5
48103	2/5/2009	1.5
48103	3/25/1997	1.4
48103	10/30/1995	1.4
48103	8/24/1995	1.4
48103	4/14/1997	1.4
48103	2/16/1999	1.4
48103	11/29/2007	1.4
48103	5/12/1999	1.4
48103	1/22/2010	1.4
48103	1/19/2010	1.4
48103	6/2/2006	1.4
48103	2/2/2007	1.4
48103	5/5/2007	1.4
48103	2/9/2006	1.4
48103	2/4/2006	1.4
48103	4/17/2006	1.4
48103	5/20/2008	1.4
48103	4/5/2008	1.4

Federal EPA Radon Zone for WASHTENAW County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 48103

Number of sites tested: 25

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
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	4.768 pCi/L	72%	24%	4%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

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.

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Environmental Quality

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

STREET AND ADDRESS INFORMATION

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SECTION 10.6

MSHDA User Disclosure Statement

Owner Questionnaire

Title Records

MDEQ RRD Perfected Lien List

2010 Physical Needs Assessment Report

FOIA Requests

Legal Description

SECTION VIII 2013 - USER'S ENVIRONMENTAL QUESTIONNAIRE AND DISCLOSURE STATEMENT

The Authority requires the completion of its "User's Environmental Questionnaire and Disclosure Statement" to fulfill Section 6, User's Responsibilities of the ASTM Standard E 1527-05. **The checklist is to be completed and signed by the sponsor (developer), and returned to the Environmental Professional conducting the Phase I. This questionnaire is to be reviewed by the Environmental Professional and incorporated into their Phase I report (the completed User's Questionnaire is to be included in Appendix 10.6 of the Phase I report) Failure to properly complete this process will result in delays.**

In preparing this document, the "User" (Sponsor) must make a good faith effort to answer the questions in the checklist. The preparer presents that to the best of his/her knowledge the above statements and facts are true and correct and that to the best of the preparer's knowledge no material facts have been omitted or misstated. Time and care should be taken to check whatever records are in the user's possession. If any of the following questions are answered in the affirmative or if answers are unknown, are qualified, or cannot be obtained, the burden is on the Environmental Professional to determine whether further inquiry is appropriate. The property user should document the reason for any affirmative answer to provide the consultant with all appropriate information. Moreover, the Environmental Professional must determine if further inquiry in any area where the property owner provides incomplete information is warranted, providing written explanation for their recommendation(s).

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

User's (Sponsor's) Name: Norstar Development USA, L.P.
User's (Sponsor's) Telephone No.: 518-431-1151
User's (Sponsor's) Fax No.: 518-431-1053
Subject Property: Maple Meadows
Property Address: 800-890 South Maple
City: Ann Arbor State: MI Zip: _____

1.0 Environmental Cleanup Liens:

Are you aware of any environmental cleanup liens against the property that are filed, recorded, or unrecorded under federal, tribal, state, or local law?

YES NO (If "YES," please describe)

2.0 **Activity and Land Use Limitations:**

Are you aware of any activity and land use limitations, such as engineering Controls, land use restrictions or institutional controls that are in place at the site and/or have been filed, recorded or unrecorded in a registry under federal, tribal, state or local law?

YES NO (If "YES," please describe)

3.0 **Specialized Knowledge or Experience of the User:**

(a) As the user of this ESA do you have any knowledge or experience related to the property or nearby properties that could be material to any environmental conditions of this property?

YES NO (If "YES," please describe)

(b) 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?

YES NO (If "YES," please describe)

4.0 **Relationship of Purchase Price to Fair Market Value:**

(a) Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

YES NO (If "YES," please describe)

Pursuant to an appraisal.

(b) If you conclude that there is a difference, have you considered whether the lower price is because contamination is known or believed to be present at the property?

YES NO (If "YES," please describe)

5.0 **Commonly Known or Reasonably Ascertainable Information:**

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

(a) Do you know the past uses of the property? Please List: Residential

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

YES NO (If "YES," please describe)

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

YES NO (If "YES," please describe)

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

YES NO (If "YES," please describe)

6.0 **Presence or Likely Presence of Contamination:**

As the user of this ESA, and 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?

YES NO (If "YES," please describe)

User's Signature: Lori Harris Date 7/10/13

User's Printed Name: LORI HARRIS

OWNER/OCCUPANT QUESTIONNAIRE

Phase I Environmental Site Assessment

Site: Maple Meadows
Contact Name: Jennifer Hall Phone: 734 794-6721
Company: Ann Arbor Housing Commission Fax: 734 996-3018
Relationship to Site: Director / Property Manager Email: jhall@a2gov.org
Years at Site/With Company: 2/2

This questionnaire outlines personal knowledge of the interviewee (owner/occupant) of the Site. The questionnaire is to be answered to the best of the interviewee's knowledge, and is considered a true and accurate account of that personal knowledge. The questionnaire refers to current and historical information regarding the property, and will be included within the Phase I ESA report.

Instructions:

1. Answer all questions and fill in all blanks or circle the answers as indicated
2. If question is not applicable or unknown, please indicate accordingly
3. Indicate known conditions that may affect the Site
4. Any additional information that may not be covered in this questionnaire may be included on additional pages and attached.

1. GENERAL INFORMATION

Type of Property (circle one): Industrial Commercial Residential Vacant Agricultural Other

Size of Property: _____ Size of building(s): 2 story

Site Address: 800-890 S. Maple
Ann Arbor MI 48103

Occupied by: low income residents

Owned by: City of Ann Arbor by & through Ann Arbor Housing Com

Operations/Site Use: Multifamily Residential

1a. Current Surrounding Land Use:

Please indicate names and addresses of the current adjoining properties:

North: Bers Street
 South: Russell Street
 East: S. Maple Road
 West: City Park

1b. Historical Surrounding Land Use:

Please indicate names, addresses, and years of occupation of the former/historical adjoining properties:

North: _____

 South: _____

 East: _____

 West: _____

Describe any observations of potential environmental impacts or concerns from adjoining properties:

None

2. SITE OVERVIEW

Please complete the following tables with historical owners and occupants (from current to past).

2a. Ownership History:

Owner	Year(s) of Ownership
City of Ann Arbor	1968 - present
Holiday Holdings	? - 1968

2b. Occupant History:

Name	Type of Business	Year(s) of Occupancy
City of Ann Arbor	Municipality	1968 - present
	Public housing	

3. UTILITIES

3a. Potable water supply source: Municipal On-Site Well Other

3b. Sanitary sewer service: Municipal On-Site Septic Other

3c. Storm sewer service: Municipal Separate Storm Sewers On-Site Storm Water Retention
 Municipal Combined sanitary/storm sewer system Other

3d. Building Heat provided by: City Utility Site

3e. Utility Company Information:

Name of Gas Utility: DTE

Name of Oil Supplier: N/A

Name of Electric Utility: DTE

5. STORAGE TANKS (USTs/ASTs)

5a. Do you know of former and/or existing USTs or ASTs?: No

5a. Please provide any knowledge of former and/or existing USTs or ASTs: not aware of

6. CHEMICAL USE & STORAGE (HAZARDOUS SUBSTANCES & PETROLEUM PRODUCTS)

6a. Please provide any knowledge of former and/or existing chemical use and storage: _____

not aware of

6b. Chemical Releases:

Have there been any spills of reportable quantities of hazardous substances? Yes No

If yes, explain: _____

7. SOLID WASTE MANAGEMENT

7a. Has there been any on-Site waste disposal? Yes No

If so, describe: _____

7b. Are there signs of on-Site disposal or fill? Yes No

If so, describe: _____

8. NON SCOPE CONSIDERATIONS

8a. Asbestos

Has Site had an asbestos survey? Yes No

Have there been any asbestos removal or abatement projects? No

8b. Radon:

Has a radon gas survey been conducted at the Site? Yes No

If yes, describe: under way

8c. Wetlands:

Has a wetland survey been conducted at the Site? Yes No

If yes, describe: _____

9. ENVIRONMENTAL CONCERNS

Has the Site has any of the following?

(Please check a box "H" for historically, "C" for currently, "U" for unknown, or "NA" for not applicable)

H C U NA Date(s)

Inspections				<input checked="" type="checkbox"/>	
Citations				<input checked="" type="checkbox"/>	
Violations				<input checked="" type="checkbox"/>	
Reportable Spills				<input checked="" type="checkbox"/>	
Third Party Complaints				<input checked="" type="checkbox"/>	

If yes to any of the above, explain: _____

10. COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA)/RESOURCE CONSERVATION RECOVERY ACT (RCRA) LIABILITY POTENTIAL:

10a. Is the Site listed on the National Priority List? Yes No

If yes, explain: _____

10b. Has the Site ever received notification from any government agency or third party of liability as a Principal Responsible Party in any hazardous waste storage, treatment or disposal site?

Yes No

If yes, explain: _____

10c. Has the Site ever defended any environmental related claims or litigation asserted by any government agency or third party? Yes No

If yes, explain: _____

10d. Based on your knowledge and experience related to the Site, are there any obvious indicators that point to the presence or likely presence of contamination at the Site. Yes No

If yes, explain: _____

SIGNATURE:

This questionnaire outlines personal knowledge of the interviewee (owner/occupant) of the Site. The questionnaire is to be answered to the best of the interviewee's knowledge, and is considered a true and accurate account of that personal knowledge. The questionnaire refers to current and historical information regarding the property, and will be included within the Phase I ESA report.

Completed By:

Jennifer Hall
Signature

Jennifer Hall
Name (Typed or Printed)

Executive Director
Title

Ann Arbor Housing Commission
Company

7/9/13
Date

ABSOLUTE TITLE, INC.

2875 W. Liberty Rd.
Ann Arbor, MI 48103
ph. (734) 662-1050/fax (734) 662-3608

INVOICE

Date: February 20, 2013

File No.: 73072

To: **Ann Arbor Housing Commission**

Attn: Jennifer Hall

Re: **City of Ann Arbor**
800-890 South Maple Road

Title Search

\$150.00

INVOICE

Date: February 20, 2013

File No.: 73072

To: **Ann Arbor Housing Commission**

Attn: Jennifer Hall

Re: **City of Ann Arbor**
800-890 South Maple Road

Title Search

\$150.00

**TITLE SEARCH
ISSUED BY
ABSOLUTE TITLE, INC.**

File No.: 73072

SCHEDULE A

1. Effective Date: December 3, 2012 at 5:00 P.M.
2. Policy or Policies to be issued: Amount
2006 ALTA Owner's Policy NONE

Proposed Insured:
NONE
3. The estate or interest in the land described or referred to in the Search and covered herein is FEE SIMPLE and is at the effective date hereof vested in:

City of Ann Arbor, a Michigan Municipal Corporation

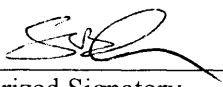
4. The land referred to in this Search is situated in the City of Ann Arbor, Washtenaw County, Michigan, and is described as follows:

Lots 17 through 33, West Liberty Heights, as recorded in Liber 6 of Plats, Page 16,
Washtenaw County Records.

800-890 South Maple Road

Due to the limited nature of the search, liability for inaccuracies or errors in the search is limited to refund of the search fee actually paid.

Absolute Title, Inc.

By: 
Authorized Signatory
Phone 662-1050
Fax 662-3608

SCHEDULE B - SECTION 1
REQUIREMENTS

The following are the requirements to be complied with:

1. **Record deed from City of Ann Arbor, a Michigan Municipal Corporation to party to be insured.**
2. **Submit resolution of the Ann Arbor City Council authorizing the execution of the deed.**
3. 2012 winter taxes exempt.
2012 summer taxes exempt.
All previous years taxes paid.
Special Assessments: None
Tax I.D. No. 09-08-25-402-018
Requirements: None

SCHEDULE B - SECTION II

EXCEPTIONS

Schedule B of the policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company.

1. Standard exceptions set forth on the inside back cover.
2. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date the proposed Insured acquires for value of record the estate or interest or mortgage thereon covered by this Commitment.
3. Liens for any tax and/or assessment which become due and payable on or after the effective date of this Commitment.
4. Building and use restrictions contained in instrument recorded in Liber 293, Page 199, Washtenaw County Records, which are not in the chain of title and may constitute a general plan of development, but omitting any such covenant or restriction based on race, color, religion, sex, handicap, familial status or national origin.
5. Easement Grant and Declaration of Restrictions in favor of The Detroit Edison Company and Michigan Bell Telephone Company, as recorded in Liber 1306, Page 536, and re-recorded in Liber 1316, Page 545, Washtenaw County Records, and Agreement pertaining thereto, as recorded in Liber 1306, Page 505, Washtenaw County Records.
6. Rights of tenants in possession.

ABSOLUTE TITLE, INC.

2875 W. Liberty Rd.
Ann Arbor, MI 48103
ph. (734) 662-1050/fax (734) 662-3608

INVOICE

Date: February 20, 2013

File No.: 73072

To: Ann Arbor Housing Commission

Attn: Jennifer Hall

Re: City of Ann Arbor
800-890 South Maple Road

Title Search

\$150.00

INVOICE

Date: February 20, 2013

File No.: 73072

To: Ann Arbor Housing Commission

Attn: Jennifer Hall

Re: City of Ann Arbor
800-890 South Maple Road

Title Search

\$150.00

RZ

(4)

LIBER 1250 PAGE 634

WASHTENAW COUNTY RECORDS
RECORDED IN 3107

RECEIVED
FOR RECORD

JUN 5 3 04 PM '68

WARRANTY DEED PATRICIA NEWBORN HARRY
REGISTER OF DEEDS
WASHTENAW COUNTY, MICH.

LIBER 1250 PAGE 634

JUN 5 1968

LC

RECORDS SECTION

INDEXED BY

KNOW ALL MEN BY THESE PRESENTS: THAT HOLIDAY HOLDING CO., a registered Michigan partnership, whose address is 3750 Washtenaw Avenue, Ann Arbor, Michigan 48104, conveys and warrants to CITY OF ANN ARBOR, a Michigan municipal corporation, whose address is Ann Arbor, Michigan, the following described premises situated in the Township of Scio, County of Washtenaw and State of Michigan, to-wit:

Lots 17 through 33 and 43 through 55, West Liberty Heights Subdivision, a part of the Southeast Quarter, Section 25, according to the plat recorded in Liber 6 of Plats, page 16, Washtenaw County Records;

together with all and singular the tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining, for the sum of Sixty Thousand Dollars (\$60,000.00) and other valuable considerations; subject to easements and restrictions of record.

IN WITNESS WHEREOF, said HOLIDAY HOLDING CO. has caused this instrument to be executed by its duly authorized partners.

Dated this 12th day of June, 1968.

Signed, Sealed and Delivered
in Presence of:

Kathleen Connell
Kathleen Connell
Eva Garelik
Eva Garelik

HOLIDAY HOLDING CO.
By Donald H. Roberts
Donald H. Roberts
By Stanley C. Myers
Stanley C. Myers
Partners

as to Donald H. Roberts

Verna B. Pflug
Verna B. Pflug

Dorothy M. Phillips
Dorothy M. Phillips

as to Stanley C. Myers

LIBER & PAGE

RECORDED

POSTING & FILING CO. 808

POSTED BY

LIBER 1250 PAGE 635

JUL 5 1968

L

C

STATE OF MICHIGAN }
 COUNTY OF WAYNE } ss

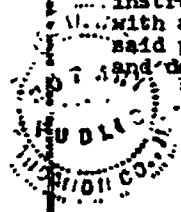
On this 12th day of June, 1968, before me personally appeared DONALD H. ROBERTS, who, being by me duly sworn did say that he is a partner of HOLIDAY HOLDING CO, and that the said instrument was signed in behalf of said partnership in accordance with authority conferred by its partnership agreement; and the said partner acknowledged the said instrument to be the free act and deed of said partnership.

Eva Garelik
 Eva Garelik
 Notary Public, Wayne County, Michigan
 My commission expires August 23, 1969

STATE OF ILLINOIS }
 COUNTY OF SANGAMON } ss

On this 15th day of June, 1968, before me personally appeared STANLEY C. MYERS, who, being by me duly sworn did say that he is a partner of HOLIDAY HOLDING CO, and that the said instrument was signed in behalf of said partnership in accordance with authority conferred by its partnership agreement; and the said partner acknowledged the said instrument to be the free act and deed of said partnership.

James W. Wilday
 James W. Wilday
 Notary Public, Sangamon County, Illinois
 My commission expires: 12/22/68



Drafted by and when recorded to be returned to:
 Herbert Sott,
 Barris, Sott, Denn & Driker,
 900 Michigan Building,
 Detroit, Michigan 48226.

County Treasurer's Certificate	City Treasurer's Certificate
OF REAL ESTATE TRANSFER TAX \$ 66.00	

Recording Fee 3.50
 Mich. Revenue Stamps 66.00

Received for record, this 2nd day of June A. D. 1931, at 2:30 o'clock P. M., as a proper certificate was furnished in compliance with Section 3957, Compiled Laws of 1897. Liber 293, Page 199

Benjamin J. Steinman & Wife TO

John S. Cummings Register of Deeds. A. W. Shaw Deputy Registrar of Deeds.

This Indenture,

Made this twenty-third day of May

Dear Stevens & Wife

in the year of our Lord one thousand nine hundred and thirty-one

BETWEEN Benjamin J. Steinman and Eleanor C. Steinman, his wife of the Township of Scio, County of Washtenaw and State of Michigan, parties of the first part, and Edgar Stevens and Alice Sophia Stevens, husband and wife, tenants by the entirety, of the City of Ann Arbor, County and State aforesaid, parties of the second part,

WITNESSETH, That the said parties of the first part, for and in consideration of the sum of One (-1.00) dollar, and other good and valuable consideration, to them in hand paid by the said parties of the second part, the receipt whereof is hereby confessed and acknowledged, do by these presents, grant, bargain, sell, remise, release, alien and confirm unto the said parties of the second part, and the survivor of either of them, forever, all those certain pieces or parcels of Land, situate and being in the Township of Scio, County of Washtenaw, and State of Michigan, and described as follows, to-wit:

"Lots numbered thirty-four (34), thirty-five (35), thirty-six (36) and thirty-seven (37) in West Liberty Heights, a subdivision of part of the southeast quarter of section twenty-five (25), Scio Township, Washtenaw County, Michigan," subject to the following restrictions and reservations, which run with the land:

- 1. Said lots shall be occupied by people of the Caucasian Race only.
2. No building for residence purpose shall be erected on said lots, the cost of which is less than \$4000.00.
3. No house shall be erected nearer than thirty (30) feet from front property line and four (4) feet from side line, and garage not attached to house must be placed fifty (50) feet back from front line and four (4) feet from side line. On corner lots garages must be back at least thirty (30) feet from street property line.
4. No garage shall be used as a residence longer than three (3) years.
5. No frame building shall be erected and stand more than ninety (90) days without having been painted or stuccoed.
6. No outside toilets shall be permitted on said lots. All toilets shall be of the approved chemical kind or shall be properly connected with septic tank.
7. No chickens shall be permitted to run free on said lots. They must have a clean coop with park to run in.
8. The right is reserved for and hereby granted to the telephone, electric light, gas, water, or sewer companies to construct and maintain their service lines along the rear and side lines of the lot or lots above described.

Together with all and Singular, The hereditaments and appurtenances thereunto belonging or in anywise appertaining; To Have and to Hold, the said premises, as herein described, with the appurtenances, unto the said parties of the second part, and to the heirs and assigns of the survivor of either of them.

Forever. And the said Benjamin J. Steinman, one of the parties of the first part, for himself, his heirs, executors and administrators, do covenant, grant, bargain and agree to and with the said parties of the second part, the heirs and assigns, that at the time of the encasing and delivery of these presents, he is well seized of the above granted premises IN FEE SIMPLE; that they are free from all incumbrances whatever;

and that he will, and his heirs, executors, and administrators, shall Warrant and Defend the same against all lawful claims whatsoever;

In Witness Whereof, The said parties of the first part, have hereunto set their hand, seal and seal the day and year first above written.

Signed, sealed and delivered in Presence of Otto E. Raab Olga B. Hochrein

Benjamin J. Steinman Eleanor C. Steinman L.S. L.S. L.S. L.S.

STATE OF MICHIGAN, COUNTY OF WASHTENAW, ss. On this twenty-third day of May in the year one thousand nine hundred and thirty-one before me, a Notary Public, in and for said County, personally appeared Benjamin J. Steinman and Eleanor C. Steinman, his wife,

to me known to be the same person described in and who executed the within instrument, who severally acknowledged the same to be their free act and deed.

My Commission expires April 20, 1934. Otto E. Raab Notary Public, Washtenaw County, Michigan.

APARTMENTS

Page 1 of 3
LIBER 1306 PAGE 536

Name of Project:

Maple and Liberty

Michigan 64-1 Project

EASEMENT GRANT AND DECLARATION OF RESTRICTIONS

THE UNDERSIGNED, hereinafter called "GRANTOR(S)", in consideration of the sum of One Dollar (\$1.00) and other valuable considerations, receipt of which is hereby acknowledged, hereby grants and conveys to THE DETROIT EDISON COMPANY, a corporation organized and existing concurrently under the laws of Michigan and New York, with offices at 2000 Second Avenue, Detroit, Michigan 48226, hereinafter referred to as "EDISON", and MICHIGAN BELL TELEPHONE COMPANY, a Michigan Corporation, with offices at 1365 Cass Avenue, Detroit, Michigan, 48226, hereinafter referred to as "BELL", their licensees, lessees, successors and assigns, easements for the purpose of providing underground electric and communication services, including the necessary underground lines, cables and equipment, and including above ground cable pole(s) and other utility facilities, in, under, over, upon and across land located in the City of Ann Arbor, County of Washtenaw, State of Michigan, described in Appendix "A" which is attached hereto and made a part hereof.

These covenants are granted subject to the following conditions and restrictions:

1. It is understood and agreed that the title to all primary and secondary electric and communication facilities of either EDISON or BELL situated in or on premises of the Grantor(s) shall at all times remain in EDISON or BELL and shall be deemed to be personal property and shall not be deemed a part of the realty.

2. EDISON and BELL, their employees, agents and contractors, shall have full right and authority to enter at all times upon said premises for the purpose of constructing, reconstructing, repairing, modifying, operating and maintaining said electric and communication facilities.

3. No excavations (except for public utility purposes), no structures, apparatus of any kind and no changes of finished grade shall be allowed within the electric and communication utility easements. No excavations for fences shall be allowed within the said utility easements provided for electric and communication lines in the property described herein. Except as set forth, the Grantors shall have the right to make any other use of the land subject to such easements which is not inconsistent with the right of the utilities; provided, however, that Grantor(s) shall not plant trees or large shrubs within the said utility easements. EDISON and BELL shall have the right without incurring any liability to the property owner for so doing, to trim any trees, bushes, roots or plants of any kind which, in the sole opinion of the utilities, interferes with their facilities, or is necessary for the installation, re-installation, repair, operation, modification or removal of their facilities in the utility easements.

4. No shrubs or foliage shall be permitted on Grantor's property within five (5') feet of the front door of transformer enclosure(s) or switching cabinet(s), nor shall shrubs or foliage be permitted within five (5') feet of service connection pedestals.

5. Grantor(s) or all subsequent owners shall install, own, maintain and replace their single phase electric service conductors. Subsequent owners are defined as those owning the land at time their lines are installed or maintained or replaced.

"This easement is re-recorded for the purpose of showing the "as installed" centerlines and widths of easements granted herein as shown on drawing attached hereto."

RECEIVED
FOR RECORD

OCT 30 2 35 PM '69

PATRICIA NEWKIRK HARDY
REGISTER OF DEEDS
WASHTENAW COUNTY, MICH.

RECEIVED
FOR RECORD

FEB 11 2 00 PM '70

PATRICIA NEWKIRK HARDY
REGISTER OF DEEDS
WASHTENAW COUNTY, MICH.

Re-Recorded

1316 545

Re-recorded
INDEX 1316 PAGE 546
Page 2 of 6

6. The installation of said electric service conductors shall comply with and conform to the specifications of The Detroit Edison Company.

7. Grantor(s) shall not make any change in grade in or near the easements when the change, in the opinion of either of the utilities, interferes with the facilities already installed or which may be installed in the future.

8. Land contract sellers herein shall have not liability to utilities unless the contract is repossessed and damage to utility lines and equipment occurs while they are the sole owners of said land parcel or parcels.

9. When utility lines are installed, this instrument shall be re-recorded with an "as installed" drawing of The Detroit Edison Company to show the location of the facilities of the utilities stated herein and easements granted herein shall be limited to six (6') feet in width unless otherwise noted on said drawing.

10. The foregoing easements, restrictions and covenants shall run with the land and shall not be subject to termination without the consent of the utilities herein concerned, and shall inure to the benefit of and be binding upon the heirs, administrators, executors, personal representatives, successors and assigns of the parties hereto.

11. Enforcement may be instituted by civil proceedings against any person or persons violating or attempting to violate any covenants contained herein, either to restrain violation or to recover damages.

12. Invalidation of any of these covenants or restrictions by judgment or court order shall in no wise affect any of the other provisions which shall remain in full force and effect.

IN WITNESS WHEREOF, the Grantor(s) have set (its) (their) hand(s) and seal(s) on this 30th day of September, 1969.

IN THE PRESENCE OF:

City of Ann Arbor
A Michigan Municipal Corporation
100 N. Fifth St.
Ann Arbor, Michigan

Jane A. Mack
JANE A. MACK

BY: Robert J. Harrid
Robert J. Harrid, Mayor

Mark M. Lewis
MARK M. LEWIS

BY: John Bentley
John Bentley, City Clerk

On this 30th day of September, 1969 before me appeared
ROBERT J. HARRIS and JOHN BENTLEY, who after being by me duly sworn, did say
that they are the MAYOR and CITY CLERK of the City of Ann Arbor, the corporation
named in and which executed the within instrument and that the seal affixed to
said instrument was signed and sealed on behalf of said corporation by authority
of its Common Council and the said ROBERT J. HARRIS and JOHN BENTLEY acknowledged
said instrument to be the free act and deed of said corporation.

Page 3 of 3
LINE# 1306 PAGE 538

My Commission expires Aug 25, 1970 Edwina T. Ryan
Notary Public Washtenaw County, Michigan

Approved by City of Ann Arbor Common Council by resolution on July 7
1969.

~~(copy of resolution attached hereto)~~

APPENDIX "A"

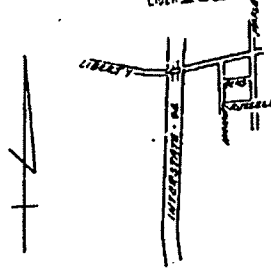
Property at West Liberty Street and South Maple Road:
Lots 17 through 33 and Lots 43 through 55 of West Liberty
Heights Subdivision, being a part of the Southeast quarter,
Section 25, Ann Arbor, T2S, R5E, Washtenaw County, Michigan

Approved as to form
For the City of Ann Arbor

[Handwritten signature]

DOCUMENT PREPARED BY:
MELBORN BROTHERS
29-30
SOUTH HILL, N.C.

Re-Recorded
1316 547
Page 3 of 6



SCIO - 90-4

SEE DRAWING UI-22370 FOR TRANS W/SWITCHING AND DETAIL FOR SERVICE ENTRANCE METHOD TO BLDG.
 SEE C & D DRAWING L75-1 DETAIL "B"
 SEE DRAWING UI-1-2364 FOR STALL TRANS MOUNTING
 ALL TRENCHING AND BACKFILLING BY DE. CO.
 DE. CO. CONST. CABLE LENGTHS ARE APPROXIMATE
 RPL 136-1981 2ND FLOOR PHONE: 462-2100 EXT 2140
 M.B.T. ENGINEER: MR. WARREN-630 S. MAPLE
 ANN ARBOR - PHONE: 663-7781
 M.B.T. CONTROL FOREMAN - PHONE: 665-2632

TRANSFORMER DATA

UDT	SIZE	ED. NO.
2635-1	25 KVA	661-0486
2635-2	25 KVA	661-0491
2697-1	25 KVA	661-0486

RENOTES TRANS. W/SWITCHING
 PEDESTAL SPECS. R-13
 TRANS. SPECS.
 TRANS. W/SWITCHING - R-16 R-25 R-32 / R-32J
 STANDARD TRANS. R-14, R-25, R-32 / R-32J

CABLE SUMMARY

PRIMARY CABLE
 IT. NO. 432 AP 2-350/1% 600V L713-0537-3397
 SECONDARY CABLE

IT. NO. 437 AP 2-350/1% 600V L713-0537-3397

TRENCHING SUMMARY

JOINT USE = 1074.2
 DE. CO. ONLY = 182.2
 TOTAL = 1256.4

PERMITS REQ'D
 CITY OF ANN ARBOR

DETAIL
 M.J. 22 (A-32)

DIST. CIR. 348A HEMLOCK
 7.8 KV

SYSTEM

ELL RD APTS
 L 6-P16
 CT-25

WASH CO

THE DETROIT Edison COMPANY		UNDERGROUND LINES DEPARTMENT	
DATE	1-30	PROJECT NO.	63-610
TIME		BY	
WASH CO	WU2-3-2372	SCALE	1" = 10'

APARTMENTS

AGREEMENT

THIS AGREEMENT, made this 30th day of September, 1969,
between City of Ann Arbor, a Michigan Municipal Corporation and The
Ann Arbor Housing Commission, 100 W. Fifth St., Ann Arbor, Michigan,
hereinafter referred to as "DEVELOPER", and THE DETROIT EDISON COMPANY, a corpora-
tion organized and existing concurrently under the laws of Michigan and New York,
with offices at 2000 Second Avenue, Detroit, Michigan, 48226, hereinafter referred
to as "EDISON", and MICHIGAN BELL TELEPHONE COMPANY, a Michigan Corporation, with
offices at 1365 Cass Avenue, Detroit, Michigan, 48226, hereinafter referred to as
"BELL".

WITNESSETH:

WHEREAS, DEVELOPER is developing apartments to be known as Maple
and Liberty (Michigan G1-1 Project), on land in the City of
Ann Arbor, County of Washtenaw, State of Michigan,
as described in Appendix "A", which is attached hereto and made a part hereof, and

WHEREAS, DEVELOPER desires EDISON and BELL to install their facilities
for underground single phase electric service and communication services
including necessary cable poles and above ground equipment.

NOW, THEREFORE, in consideration of the mutual promises and covenants
herein made between DEVELOPER and EDISON and BELL, it is hereby agreed as follows:

*I.

DEVELOPER AGREES:

1. To provide, prior to utility installations, a separate instrument
granting private easements for public utilities and restrictions acceptable to
EDISON and BELL for their utility facilities.
2. To grade easements to finished grade in accordance with local govern-
mental regulations prior to installation of underground lines so that the facili-
ties of the utilities can be properly installed in relation to finished grade. The
grade established for the land at the time the utilities place their facilities in
the easements shall be considered finished grade.
3. To place survey stakes indicating property lines and building plot
lines before trenching to enable the utilities to properly locate their underground
facilities and above ground equipment.
4. To install sanitary sewers prior to installation of electric under-
ground lines. Sewer, water and gas lines placed underground may cross but shall
not be installed parallel with electric lines within the easements used for elec-
tric and communication lines.
5. To remove at DEVELOPER's expense all trees, shrubbery or obstructions
which may be necessary or required for installation of electric and communication
facilities in the easements provided to EDISON and BELL, and to provide for trenching
at DEVELOPER's expense in accordance with a separate letter agreement between
DEVELOPER and EDISON.
6. DEVELOPER assures EDISON and BELL that the backfill shall be free of
rubble and clods of hard or frozen dirt and shall not contain material which can
damage replaced lines.
7. To pay all extra costs incurred by utilities if paving is done before
cable or conduit crossings are in place.

RECEIVED
FOR RECORD

OCT 30 2 34 PM '69

PATRICIA HEWIKK HARDY
REGISTER OF DEEDS
WASHTENAW COUNTY, MICH.

LIBER 1306 PAGE 505

LEN 1306 MAR 506

8. DEVELOPER further agrees that if subsequent to the installation of the utility's facilities by EDISON or BELL, it is necessary to repair, move, modify, rearrange or relocate any of their facilities to conform to a new plot plan or change of grade made by DEVELOPER or at DEVELOPER's action or request, DEVELOPER will forthwith pay the cost and expense of repairing, moving, modifying, rearranging or relocating said facilities to EDISON or BELL upon receipt of a statement therefor. Further, that if the electric or communication utility facilities of EDISON or BELL, or the electric service conductors owned and installed by DEVELOPER or subsequent owners and which EDISON will maintain, are damaged by acts of negligence on the part of the DEVELOPER or subsequent owners, or by contractors engaged by DEVELOPER or subsequent owners, repairs shall be made by the utilities named herein at the cost and expense of DEVELOPER or subsequent owners and shall be paid forthwith to EDISON or BELL by DEVELOPER or subsequent owners upon receiving a statement therefor. DEVELOPER or subsequent owners are defined as those developing the land or those owning the land at time damages occur.

II

UTILITIES AGREE:

1. Upon completion of the above requirements, to furnish, install, own and maintain, at their own expense, (except costs and expenses set forth in Paragraphs 5, 7, and 8), their electric and communication facilities in the private easements located in the above described land.
2. To meter and bill each tenant individually at the standard rates established by the Michigan Public Service Commission.

This Agreement shall inure to the benefit of and be binding upon the respective heirs, administrators, executors, personal representatives, successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have set their hands the day and year first above written.

IN THE PRESENCE OF:

John A. Mack
Jane A. Mack
Suzanne Graham
 SUZANNE GRAHAM
Demaris Booker
 DEMARIS BOOKER
Suzanne Graham
 SUZANNE GRAHAM

(Please type or print names under signature)

Stephen A. McNamee
 STEPHEN A. MCNAMEE
Irene C. Katz
 IRENE C. KATZ
Karen Guenther
 KAREN GUENTHER
Carol A. Moore
 CAROL A. MOORE

CITY OF ANN ARBOR

BY: Robert J. Beville
 ROBERT J. BEVILLE, Mayor
 BY: John Bentley
 JOHN BENTLEY, City Clerk

ANN ARBOR HOUSING COMMISSION
 BY: Robert P. Weeks
 ROBERT P. WEEKS, Director Chairman
 BY: Eleanor M. Woodmaster
 ELEANOR M. WOODMASTER, Acty. Director-Secretary

THE DETROIT EDISON COMPANY

BY: R. C. Duke
 R. C. DUKE, DIRECTOR
 Properties and Rights of the Detroit Edison Company
 BY: Lillian J. H. Carroll
 LILLIAN J. H. CARROLL, ASST. SECRETARY

MICHIGAN BELL TELEPHONE COMPANY

BY: Carl T. Hall
 Staff Supervisor, Right of Way
 (Authorized signature) Carl T. Hall

STATE OF MICHIGAN
COUNTY OF WASHTENAW

On this 30th day of September, 1969, before me appeared ROBERT J. HARRIS and JOHN BENTLEY, who after being by me duly sworn, did say that they are the MAYOR and CITY CLERK of the City of Ann Arbor, the corporation named in and which executed the within instrument and that the seal affixed to said instrument was signed and sealed on behalf of said corporation by authority of its Common Council and the said ROBERT J. HARRIS and JOHN BENTLEY acknowledged said instrument to be the free act and deed of said corporation.

My Commission expires Aug 25, 1970 Edwina T. Ryan
Notary Public EDWINA T. RYAN
Washtenaw County, Michigan

Approved by City of Ann Arbor Common Council by resolution on _____
Sept 29, 1969.

~~(Supplement to Commission Certificate)~~

STATE OF MICHIGAN
COUNTY OF WASHTENAW

On this 30th day of September, 1969, before me appeared ROBERT P. WEEKS and Eleanor M. Weegmaster to me personally known, who being by me severally duly sworn, did say that they are respectively CHAIRMAN and DIRECTOR-SECRETARY of Ann Arbor Housing Commission, a commission created and existing under the laws of the State of Michigan and that the said instrument was signed and sealed in behalf of said Commission by authority of The City of Ann Arbor and the said ROBERT P. WEEKS and Eleanor M. Weegmaster acknowledged the said instrument to be the free act and deed of the said Commission.

My Commission expires 7-17-70 Thos. G. Stark
Notary Public Thos. G. Stark
Washtenaw County, Michigan

STATE OF MICHIGAN)
) SS
COUNTY OF WAYNE)

On this 16th day of October, 1969, before me, the
subscriber, a Notary Public in and for said County, personally appeared
R. Q. Duke and Lillian J. H. Carroll
to me personally known, who being by me duly sworn, did say that they are
the Director, Prop. & R/W Dept. and an Assistant Secretary
of THE DETROIT EDLSON COMPANY, a corporation organized and existing concurrently
under the laws of Michigan and New York, and that the seal affixed to said
instrument is the corporate seal of the said corporation, and that said instrument
was signed in behalf of said corporation by authority of its Board of Directors
and R. Q. Duke and Lillian J. H. Carroll
acknowledged said instrument to be the free act and deed of said Corporation.

My Commission expires: June 24, 1972

[Signature]
Notary Public IRIS C. KATA
Wayne County, Michigan

1306 REC 508

STATE OF MICHIGAN) SS
COUNTY OF OAKLAND)

On this 9th day of October, 1968, before me, the
subscriber, a Notary Public in and for said County, appeared CARL T. MALL
to me personally known, who being by me duly sworn, did say that he is Staff
Supervisor of Right of Way, authorized by and for MICHIGAN BELL TELEPHONE COMPANY,
a Michigan Corporation, and that the said instrument was signed in behalf of said
Corporation, by authority of its Board of Directors, and CARL T. MALL
acknowledged said instrument to be the free act and deed of said Corporation.

My Commission expires: _____

[Signature]
Notary Public
WELFORD HARTMAN
Notary Public, Wayne County, Mich.
Acting in Oakland County
My Commission Expires Oct 3, 1972 County, Mich.

APPENDIX "A"

Property at West Liberty Street and South Maple Road:
Lots 17 through 33 and Lots 43 through 55 of West Liberty
Heights Subdivision, being a part of the Southeast quarter,
Section 25, Ann Arbor, T28, R5E, Washtenaw County, Michigan.

Approved as to form

APPROVED AS TO FORM

Edward B. Gilman
City Attorney

For the City of Ann Arbor

Guy C. Hancock, Jr.

DOCUMENT PREPARED BY:
MELFORD HARTMAN
2850 SOUTHFIELD ROAD
SOUTHFIELD, MICHIGAN 48075

1306 PAGE 509

REMEDICATION AND REDEVELOPMENT DIVISION PERFECTED LIEN LIST

The Department of Environmental Quality (DEQ), Remediation and Redevelopment Division (RRD) has perfected liens on property pursuant to Section 20138 of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.20101 *et seq.*

The following is a current listing of liens perfected by the RRD on property as of the date that appears on this list. The list will be updated **only** when the RRD has perfected a new lien on a property, or has released a lien from a property. A new date will then appear on the list. *This list does not include any lien(s) that may have been perfected by another DEQ Division or other entity.* For information regarding this list, please contact Darren Bowling at 517-241-7603 or by e-mail at bowling@michigan.gov. For lien information related to the Resource Management Division or the Office of Oil, Gas & Minerals, please call 517-373-4750 or 517-335-6766 respectively.

The information provided herein cannot be construed or interpreted as legal verification that a perfected lien does not exist on a particular property, or that a lien is the only perfected lien on a property. To obtain legal verification, you must access official records from the appropriate County Register of Deeds and/or the Michigan Secretary of State when applicable.

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section</i>	<i>Town</i>	<i>Range</i>	<i>Tax Code</i>
Alcona		Harrisville	216 S. US23			13	T26N	R9E	
Allegan	Watson					24	T2N	R12W	23-24-001-10
Allegan	Watson					24	T2N	R12W	23-24-001-10
Alpena		Alpena	4709 Long Rapids Rd.	Lake Winyah Shores Sub	Lot 43				
Antrim	Milton	Rapid City	12929 Cherry Ave.	Plat of New Highlands	Lot 14				
Antrim		Ellsworth	Vlg. Of Ellsworth						
Antrim		Ellsworth	Vlg. Of Ellsworth						
Antrim		Ellsworth	Vlg. Of Ellsworth			14	T32N	R8W	05-44-013-061-00
Antrim		Ellsworth	Vlg. Of Ellsworth			14	T32N	R8W	05-44-023-004-00
Antrim		Ellsworth	Vlg. Of Ellsworth	Vlg Ellsworth		14	T32N	R8W	05-44-023-002-00
Antrim		Riverview	6235 Crystal Springs Rd.	Supervisor's Plat of Riverview	Lot 1				
Arenac	Mason	Turner	50 Mason Road			12	T20N	R5E	
Arenac		Standish	105 N. Main	Assessor's Plat 5	Lot 370				40-2-500-000-370-00
Arenac	Mason	Turner	50 Mason Road			12	T20N	R5E	
Baraga	L'anse	L'anse	Winter St.			9	T50N	R33W	
Bay		Bay City	1113 Center Ave.	James Fraser's First Addition	Lots 4&5, Blk 3				
Benzie		Lake Ann Vlg	P.O. Box 62 1st St.		Lots 7 & 9, Blk 28				
Berrien	Benton	Benton Harbor					T4S	R18W	11-045-18W-05DB

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section</i>	<i>Town Range</i>	<i>Tax Code</i>
Berrien		Watervliet	106 E. St. Joseph St.	Sutherland's Addition	Lot 1, exceptions			
Berrien		Watervliet				2	T3S R17W	11-21-0002-0015-01-0
Berrien		Watervliet				2	T3S R17W	11-21-0023-0014-01-6
Branch	Alganssee	Quincy	144/146 Crocket Drive	Woodland plat	Lot 2,3 & land	5	T7S R5W	
Branch	Butler		1031 Clarendon Rd., Quincy, Michigan			15	T5S R5W	
Branch	Butler		1031 Clarendon Rd., Quincy, Michigan			15	T5S R5W	
Branch	Alganssee	Quincy	144/146 Crocket Drive	Woodland plat	Lot 2,3 & land	5	T7S R5W	
Calhoun	Bedford	Battle Creek		Facility ID 00005228	66, 67, + land	29	T1N R8W	13-04-360-058-W
Calhoun	Bedford	Battle Creek		Facility ID 00005228	66, 67, + land	29	T1N R8W	13-04-360-058-W
Calhoun	Marengo	Marshall	1035 East Michigan Ave.			19	T2S R5W	
Calhoun		Battle Creek				4	T2S R8W	13-54-004-048-00
Cass		Dowagiac	111 North Front St.	Patrick Hamilton's Add	Lot 12			
Cheboygan		Cheboygan				29	T38N R1W	16-053-029-303-002-00
Cheboygan		Cheboygan		J M Pennell's First Add to city	Lot 13, Blk 8			
Chippewa		Dafer	9976 Soo Line Rd.			21	T46N R1W	
Chippewa	Kinross	Kincheloe				19,20, 29,30	T45N R1W	008-019-005-00
Delta	Masonville	Rapid River	US2	H.W. Cole's Second Add	Lots 7,8 Blk 11	29	T41N R21W	21-012-341-007-00 & 21-012-179-021-00 & 21-012-179-020-00
Eaton		Grand Ledge	105 E. Saginaw Hwy	Supervisors Plat #2	Pt of Lot 179			23-400-078-001-790- 00 & 791-00 & 791-01
Eaton								
Genesee		Flint	3402 Martin Luther King		Lots 544, 545, & 546			
Genesee		Flint	603 Pingree Ave	Elm Park Sub	Lots 187-195, 196, 230			11-17-352-0187-87
Genesee		Flint	3402 Martin Luther King or 121 E. Pasadena		Lots 548 & 549			
Genesee	Genesee					33	T8N R7E	R-1006-22
Genesee	Genesee					33	T8N R7E	R-1006-22

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section Town Range</i>			<i>Tax Code</i>
Genesee		Flushing	90 E. Main St.	Assessor's Plat #5	Pt of Lot 98,				
Genesee		Flint	603 Pingree Ave	Elm Park Sub	Lots 187-195, 196, 230				11-17-352-0187-87
Gladwin		Gladwin	420 E. M-61	Woodland Terrace Annex	1,2,3&4 Blk 18	9	T18N	R1E	
Grand Traverse	East Bay						T27N	R10W	28-03220-020-00
Grand Traverse	Blair					7	T26N	R11W	
Grand Traverse	Blair		5175 Sawyer Wood Dr	Woodland Terrace Annex	Lots 1-4 Blk 18	7	T26N	R11W	28-02-007-047-20
Hillsdale	Scipio		Mosherville Rd.			10	T5S	R3W	30-02-010-100-011
Hillsdale	Moscow					15	T5S	R2W	30-03-015-200-012-15-5-2
Hillsdale	Moscow					15	T5S	R2W	30-03-015-200-012-15-5-2
Ingham		Lansing	300 North St.	Turner & Smith's Sub of Lot 6 of Townsend Sub.	Lots 1,2, & Pt. 3 of Lot 6				
Ingham		Lansing	3125 MLK Blvd			29	T4N	R2W	33-01-01-29-476-041
Isabella		Mt. Pleasant	226 S. Main St.		Lot 1 & Pt 2, Blk 25				
Kalamazoo	Wakeshma	Fulton	13995 East W Ave.			16	T4S	R9W	16-16-490-190
Kalamazoo		Portage	9008 Portage Rd.	Ames West Lake Pk.	Lots 58,59,60				
Kalamazoo		Vlg. of Vicksburg		Wolverton's Revised Addition		18	T4S	R10W	39-15-18-100-018
Kalamazoo		Kalamazoo	8011 West D. Ave			21	T1S	R12W	
Kalamazoo		Kalamazoo	3501 South Burdick St.	Supv Plat of Henry Johnson Plat	Lot A				
Kalamazoo	Alamo					26	T1S	R12W	01-26-251-019
Kalkaska	Kalkaska					29	T27N	R7W	
Kalkaska	Kalkaska					29	T27N	R7W	
Kent	Courtland	Rockford	8413 Meyers Lake Rd.			33	T9N	R10W	
Kent		Wyoming	2539 28th St, SW			9	T6N	R12W	41-17-09-451-013
Kent		Grand Rapids			6,7,8,4,5 + add parcel				41-14-19-330-017
Kent		Grand Rapids	2555 Oak Industrial Drive			22	T7N	R11W	

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section</i>	<i>Town Range</i>	<i>Tax Code</i>
Kent		Wyoming	2539 28th St, SW			9	T6N R12W	41-17-09-451-013
Lake	Pleasant Plains		M-37	Pere Marquette Plat	107,108,78,79	22	T17N R13W	43-17N-13W-22BD
Lake	Pleasant Plains		M-37	Pere Marquette Plat	Lot 2052,53,80-83,103-106	22	T17N R13W	
Lake	Pleasant Plains		M-37	Pere Marquette Plat	part of 20,21	22	T17N R13W	
Livingston	Hamburg		10776 Hall Rd			25	T1N R5E	47-15-25-400-014
Livingston	Putnam					27	T1N R4E	14-27-400-002 30147080
Livingston		Fowlerville	306 E. Grand River	Fowler's First Add	Lot 39 Blk 2			05-11-302-014
Livingston		Brighton		Smith & McPherson Addition	219,220,221	30	T2N R6E	18-30-300-017
Livingston		Brighton		Smith & McPherson Addition	219,220,221	30	T2N R6E	18-30-300-017
Livingston	Hamburg		10776 Hall Rd			25	T1N R5E	47-15-25-400-014
Macomb	Chesterfield					PC 192	T3N R14E	09-21-251-002
Macomb	Macomb	Warren			Lot 33 & 13			13-19-353-004
Macomb	Macomb	Warren			Lot 33 & 13			13-19-353-004
Macomb	Chesterfield					PC 192	T3N R14E	09-21-401-003
Macomb	Chesterfield					PC 192	T3N R14E	09-21-401-003
Macomb	Chesterfield					PC 192	T3N R14E	09-21-251-002
Macomb	Shelby				#63,64			07-18-401-005,50-07-593-063-00; 07-18-401-004, 50-07-593-064-00
Monroe	Bedford					28	T8S R7E	58-08S-07E-28BA
Montcalm	Bloomer					12	T9N R5W	59-051-700-040-00
Montcalm	Reynolds	Howard City				35	T12N R10W	59-017-900-083-00 or 092-00
Montcalm	Reynolds	Howard City				35	T12N R10W	59-017-900-083-00 or 092-00
Montmorency		Atlanta Vlg	103 State St. Box 615		Lots 5 thru 11, Blk 7			
Newaygo	Everett					17	T13N R12W	

County	Township	City/Vlg	Address	Other Description	Lot No	Section	Town Range	Tax Code
Newaygo	Everett					17	T13N R12W	
Oakland	Independence					33	T4N R9E	08-33-451-001
Oakland	Waterford/ White Lake					7&18 12	T3N R9E T3N R8E	13-07-100-008 12-12- 200-007
Oakland	Farmington	Farmington Hills	29024 Grand River	Richland State Sub. Resub of Richland's Gardens Sub	Lots 45-51	36	T1N R9E	23-36-304-022
Oakland	Waterford		Whitfield Estates		Lot 310			13-08-153-001
Oakland		Milford	City of Milford			10,11	T2N R7E	16-10-228-003
Oakland	Independence					33	T4N R9E	08-33-426-001
Oakland	West Bloomfield	West Bloomfield	7055 Cooley Lake Rd.,	Dewey Beach Sub	Lots 371-374, Pt 375-378			18-06-229-033
Ogemaw	Hill	Lupton	3610 Forest Dr.	Shady Shores Park sub of Gov't Lot 2&3	Pt Lot 1 Blk A, Pt. of Lot 8	8	T23N R4E	
Osceola	Hartwick					1	T19N R8W	67-04-001-001-00
Osceola	Highland	Marion	18814 M-115			35	T20N R8W	
Osceola	Orient					21	T17N R7W	67-11-021-021-10 67- 11-021-022-10
Osceola	Orient					21	T17N R7W	67-11-021-021-10 67- 11-021-022-10
Osceola	Hartwick					1	T19N R8W	67-04-001-001-00
Osceola		Evert	202 E. Seventh		479			
Ottawa	Crockery	Vlg of Nunica		Adsit's Add	Lot 3, Blk 3	15	T8N R15W	70-04-15-430-018 70- 04-14-320-002
Ottawa	Tallmadge				Gov't 4	12	T6N R13W	70-14-12-400-003
Ottawa		Grand Haven		Rycenga's Plat 3	197	21	T8N R16W	70-03-21-415-018
Presque Isle	Presque Isle		17661 Grand Lake Blvd.		17			
Presque Isle	Presque Isle		17661 Grand Lake Blvd.		17			
Presque Isle	Presque Isle			Lot 17, of SUPERVISOR'S PLAT OF SPRINGFIELD CAMP	17			
Presque Isle	Presque Isle			Lot 17, of SUPERVISOR'S PLAT OF SPRINGFIELD CAMP	17			
Roscommon	Denton							

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section</i>	<i>Town Range</i>	<i>Tax Code</i>
Saginaw		Chesaning	525 E. Broad St.		Pt of Lot 5, Blk 15	16	T9N R3E	
Shiawassee	Shiawassee					26	T6N R3E	
Shiawassee	Shiawassee					26	T6N R3E	
Shiawassee		Laingsburg		Week's Add	Lot 1, Blk 3			78-022-42-003-001
Shiawassee		Owosso	1725 Corunna Ave.	A V Johnson's Add	Lots 4,5,11, 12,13 Blk 8			
Shiawassee		Laingsburg		Week's Add	Lot 1, Blk 3			78-022-42-003-001
Shiawassee		Owosso	210-300 E Monroe St.	A L Williams Second Addition	Blk 1= 9,10,1; Blk 2 = 1-13 AL Williams Second Add	24	R2E T7N	78-010-652-001-004
Shiawassee		Owosso	1509 W. Oliver St., City of Owosso			14	T7N R2E	50-537-000-048-00
St. Clair	Clay		3601 Rattray Lane		Lots 1 & 3			74-14-618-0049-000
St. Joseph	Colon					3	T6S R9W	
St. Joseph	Colon					3	T6S R9W	
Tuscola		Caro		Plat of Centerville (Caro)	1and pt 2 Blk23	3	T12N R9E	
Tuscola	Wisner	Fairgrove	9006 Bay City Forestville Rd.		Parcel B	29	T14N R7E	10-01-0004-790-06
Van Buren		Vlg of Paw Paw				13	T3S R14W	
Van Buren		Vlg of Paw Paw				13	T3S R14W	
Wayne	Brownstown	Flat Rock				28	T4S R10E	58-081-99-0002-000
Wayne	Brownstown	Flat Rock				28	T4S R10E	58-081-99-0001-000
Wayne		Woodhaven				28	T4S R10E	59-080-99-0008-000
Wayne		Woodhaven				28	T4S R10E	59-080-99-0008-000
Wayne	Brownstown	Flat Rock				28	T4S R10E	58-081-99-0001-000
Wayne		Woodhaven				28	T4S R10E	59-080-99-0004-000
Wayne		Detroit	4445 Lawton aka 4450 Lawton	Plat of RR Concessions, PC 729	41-58, Out Lot 8,			
Wayne	Brownstown	Flat Rock				28	T4S R10E	58-081-99-0002-000
Wayne			65 Piquette	65 Piquette				01-1788-91

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section Town Range</i>			<i>Tax Code</i>
Wayne		Detroit 48227	14000 Fenkell	Davy's Fenkell Ave Sub	Lots 33-36				
Wexford		Cadillac		Outlot 6 Cummer & Hayes Add.	Outlot 6				10-056-00-026-00
Wexford		Cadillac	Blk 14		4,5,6				
Wexford									
Wexford		Cadillac		Improvement Board's Add to City of Cadillac	Blk 152,153,154;part 156,157,155	32	T22N	R9W	100680000100
Wexford		Cadillac		Improvement Board's Add to City of Cadillac	Blk 152,153,154;part 156,157,155	32	T22N	R9W	100680000100

PHYSICAL NEEDS ASSESSMENT

ANN ARBOR HOUSING COMMISSION

727 Miller Avenue
Ann Arbor, Michigan 48103
Marge Novak



PHYSICAL NEEDS ASSESSMENT

of

MAPLE MEADOWS

800-890 South Maple Road
Ann Arbor, Michigan 48103

PREPARED BY:

EMG
222 Schilling Circle, Suite 275
Hunt Valley, Maryland 21031
800.733.0660
410.785.6220 (fax)
www.emgcorp.com

REVIEWED BY:

Kenneth Kulbeda, Senior Project Manager
for **Edward Beeghly**, Program Manager
800.733.0660, x6656
kekulbeda@emgcorp.com

EMG Project #: 90144.09R-004.052
Date of Report: January 5, 2010
On site Date: July 23, 2009

Replacement Reserves Report
Maple Meadows
1/5/2010



Report Section	ID	Cost Description	Lifespan (EUL)	Observed Age (EAge)	Remaining Life (RUL)	Quantity	Unit	Unit Cost	Subtotal	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Deficiency Repair Estimate		
3.2	30004	ADA - Lower Kitchen Sink and Provide Knee Space	0	0	0	1	EA	\$1,986.00	\$1,986	\$1,986																				\$1,986		
5.2	18888	Repair and Seal Coat asphalt	5	0	5	1.8	10000 SF	\$4,642.00	\$8,356						\$8,356					\$8,356					\$8,356						\$25,067	
5.2	18890	Overlay asphalt	10	2	8	18	1000 SF	\$764.30	\$13,757									\$13,757									\$13,757			\$27,515		
6.4	18895	General painting cost per SF, minor prep work, single story bldg. (up to 15 feet)	10	5	5	960	SF	\$1.24	\$1,190						\$1,190										\$1,190					\$2,381		
6.4	18894	Remove and replace vinyl siding average cost with insulation	30	20	10	9000	SF	\$4.68	\$42,120											\$42,120										\$42,120		
6.4	18897	Replace 3'-0" x 7'-0" steel, painted, door	45	42	3	60	EA	\$610.50	\$36,630				\$36,630																	\$36,630		
6.7	18864	Replace wood fence, 6' pine	20	5	15	540	LF	\$24.20	\$13,068															\$13,068						\$13,068		
6.8	18862	Paint interior walls, drywall	5	3	2	2400	SF	\$0.84	\$2,016			\$2,016				\$2,016					\$2,016					\$2,016				\$8,064		
6.8	18861	Replace Vinyl tile	18	8	10	200	SY	\$65.00	\$13,000											\$13,000										\$13,000		
6.8	18863	Paint ceilings	20	8	12	18	CSF	\$177.50	\$3,195													\$3,195								\$3,195		
6.8	18860	Community room furnishings	7	4	3	1	EA	\$5,000.00	\$5,000				\$5,000							\$5,000						\$5,000				\$15,000		
7.1	18898	Gas-fired furnace 85 to 100 MBH with AC	25	8	17	2	EA	\$2,713.25	\$5,427																	\$5,427				\$5,427		
7.1	18868	Pad-Mounted Condenser 3-ton	15	8	7	1	EA	\$2,645.00	\$2,645							\$2,645														\$2,645		
7.1	18867	Pad-Mounted Condenser 2.5-ton	15	6	9	1	EA	\$2,543.00	\$2,543									\$2,543												\$2,543		
7.6	18865	Smoke detectors	15	15	0	87	EA	\$50.00	\$4,350	\$4,350														\$4,350						\$8,700		
8.1	18866	Replace Vinyl tile	18	17	1	4500	SY	\$65.00	\$292,500		\$292,500																\$292,500			\$585,000		
8.1	18870	Range Hood ductless	15	10	5	30	EA	\$106.82	\$3,205						\$3,205															\$3,205		
8.1	18872	Residential kitchen countertop 10.5' w/new sink and disp.	15	10	5	30	EA	\$1,223.29	\$36,699						\$36,699															\$36,699		
8.1	18873	Residential kitchen cabinets wall and base	25	15	10	300	LF Front	\$371.98	\$111,594											\$111,594										\$111,594		
8.2	18871	Refrigerator	15	10	5	30	EA	\$592.61	\$17,778						\$17,778															\$17,778		
8.2	18869	Range	20	10	10	30	EA	\$468.00	\$14,040											\$14,040										\$14,040		
8.3	18880	Gas-fired furnace 85 to 100 MBH no AC	25	11	14	29	EA	\$2,455.74	\$71,216														\$71,216							\$71,216		
8.3	18882	Install Night-Time setback thermostat	20	19	1	30	EA	\$85.00	\$2,550		\$2,550																			\$2,550		
8.4	18886	Replace Residential Grade water closet with 1.6 GPF unit	25	20	5	30	EA	\$447.00	\$13,410						\$13,410															\$13,410		
8.4	18883	Replace gas water heater, residential 40 gal	10	8	2	30	EA	\$2,147.50	\$64,425			\$64,425									\$64,425									\$128,850		
8.4	18885	Replace vanity cabinet, counter and sink	20	15	5	30	EA	\$808.25	\$24,248						\$24,248															\$24,248		
Totals, Unescalated										\$6,336	\$295,050	\$66,441	\$41,630	\$0	\$104,885	\$0	\$4,661	\$13,757	\$2,543	\$194,110	\$0	\$69,636	\$0	\$71,216	\$26,964	\$0	\$12,443	\$13,757	\$292,500	\$1,215,929		
Location Factor (1.00)										\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Totals, Escalated (3.0%, compounded annually)										\$6,336	\$303,902	\$70,487	\$45,490	\$0	\$121,591	\$0	\$5,732	\$17,427	\$3,318	\$260,867	\$0	\$99,284	\$0	\$107,721	\$42,009	\$0	\$20,566	\$23,421	\$512,901	\$1,641,052		

TABLE OF CONTENTS

Certification	1
1. Executive Summary	3
1.1. Summary of Findings	3
1.2. Follow Up Recommendations.....	3
1.3. Opinions of Probable Cost.....	3
1.4. Methodology	4
2. Purpose and Scope	5
2.1. Purpose	5
2.2. Deviations from Guide (ASTM E2018-01)	5
2.3. Additional Scope Considerations	6
2.4. Property’s Remaining Useful Life Estimate	6
2.5. Personnel Interviewed	7
2.6. Documentation Reviewed	7
2.7. Pre-Survey Questionnaire	7
2.8. Weather Conditions.....	7
3. Code Information and Accessibility	8
3.1. Code Information, Flood Zone and Seismic Zone	8
3.2. ADA and Section 504 Accessibility.....	8
3.3. Mold.....	9
4. Existing Building Evaluation	11
4.1. Apartment Unit Types.....	11
4.2. Apartment Units Observed	11
5. Site Improvements	12
5.1. Utilities	12
5.2. Parking, Paving, and Sidewalks.....	12
5.3. Drainage Systems and Erosion Control.....	13
5.4. Topography and Landscaping	13
5.5. General Site Improvements.....	13
6. Building Architectural and Structural Systems	15
6.1. Foundations.....	15
6.2. Superstructure.....	15
6.3. Roofing.....	15
6.4. Exterior Walls	16
6.5. Exterior and Interior Stairs.....	17
6.6. Windows and Doors.....	17
6.7. Patio, Terrace, and Balcony	18
6.8. Common Areas, Entrances, and Corridors.....	18
7. Building Mechanical and Electrical Systems.....	19
7.1. Building Heating, Ventilating, and Air-conditioning (HVAC).....	19
7.2. Building Plumbing.....	20
7.3. Building Gas Distribution	20
7.4. Building Electrical.....	20
7.5. Elevators and Conveying Systems	21
7.6. Fire Protection Systems	21
8. Dwelling Units	22

8.1. Interior Finishes 22
8.2. Appliances..... 22
8.3. HVAC..... 23
8.4. PLUMBING 24
8.5. Electrical..... 25
8.6. Furniture, Fixtures and Equipment (FF&E) 25
9. Other Structures 26
10. Appendices..... 27



CERTIFICATION

EMG has completed a Physical Needs Assessment (PNA) of the subject property, Maple Meadows, located at 800-890 South Maple Road in Ann Arbor, Michigan 48103.

The PNA was performed at the Housing Authority's request using methods and procedures consistent with good commercial and customary practice conforming to ASTM E2018-01, *Standard Guide for Property Condition Assessments: Baseline Property Condition Assessment Process*. Within this Physical Needs Assessment Report, EMG's follows the ASTM guide's definition of User, that is, the party that retains EMG for the preparation of a baseline PNA of the subject property. A User may include, without limitation, a purchaser, potential tenant, owner, existing or potential mortgagee, lender, or property manager of the subject property.

This report is exclusively for the use and benefit of the Ann Arbor Housing Commission. The purpose for which this report shall be used shall be limited to the use as stated in the contract between the Housing Authority and EMG.

This report is not for the use or benefit of, nor may any other person or entity rely upon it, without the advance written consent of EMG.

The opinions EMG expresses in this report were formed utilizing the degree of skill and care ordinarily exercised by any prudent architect or engineer in the same community under similar circumstances. EMG assumes no responsibility or liability for the accuracy of information contained within this report that has been obtained from Housing Authority or Housing Authority's representatives, from other interested parties, or from the public domain. The conclusions presented represent EMG's professional judgment based on information obtained during the course of this assignment. EMG's evaluations, analyses, and opinions are not representations regarding the design integrity, structural soundness, or actual value of the property. Factual information regarding operations, conditions, and test data provided by the Housing Authority or the Housing Authority's representative has been assumed to be correct and complete. The conclusions presented within this report are based on the data provided, observations made, and conditions that existed specifically on the date of the assessment.

EMG certifies that EMG has no undisclosed interest in the subject property, that EMG's relationship with the Housing Authority is at arms-length, and that EMG's employment and compensation are not contingent upon the findings or estimated costs to remedy any noted deficiencies due to deferred maintenance and/or any noted component or system replacements.

EMG's PNA cannot wholly eliminate the uncertainty regarding the presence of physical deficiencies and/or the performance of a subject property's building systems. Preparation of a PNA in accordance with ASTM E2018-01 is intended to reduce, but not eliminate, the uncertainty regarding the potential for component or system failure and to reduce the potential that such component or system failure may not be initially observed. This PNA was prepared recognizing the inherent subjective nature of EMG's opinions as to such issues as workmanship, quality of original installation, and estimating the remaining useful life of any given component or system. It should be understood that EMG's suggested remedy may be determined under time constraints or may be formed without the aid of engineering calculations, testing, exploratory probing, the removal of materials, or design. Furthermore, there may be other alternate or more appropriate schemes or methods to remedy the noted physical deficiencies. EMG's opinions are generally formed without detailed knowledge from individuals familiar with the performance of noted components or systems.

Any questions regarding this report should be directed to Edward Beeghly at ebeeghly@emgcorp.com or at 800.733.0660, x7607.

Prepared by: Robert Weidendorf, Field Observer

Reviewed by:



Kenneth E. Kulbeda, Senior Project
Manager for Edward Beeghly, Program
Manager

1. EXECUTIVE SUMMARY

1.1. SUMMARY OF FINDINGS

The Ann Arbor Housing Commission contracted with EMG to conduct a Physical Needs Assessment (PNA) of the subject property, Maple Meadows, located at 800-890 South Maple Road in Ann Arbor, Michigan.

The PNA was performed on July 23, 2009.

The multi-family residential property has five, 2-story buildings containing 35,255 square feet and 30 apartments. The site area is approximately 3.43 acres. Construction of the property was completed in 1970. A community center was added to the end of one of the buildings in 2001.

On site amenities include a children's playground and a community center.

Generally, the property appears to have been constructed within industry standards in force at the time of construction, to have been well maintained during recent years, and is in good overall condition.

According to property management personnel, the property has had a limited capital improvement expenditure program over the past three years, primarily consisting of seal coating the parking lot. Supporting documentation was not provided but the work is evident.

There are a number of Priority Deficiency Costs that are required during the evaluation period. These needs are identified in the various sections of this report and are summarized in the attached cost tables. A *Project Summary* table is provided as part of the Executive Summary.

1.2. FOLLOW UP RECOMMENDATIONS

No additional evaluation is necessary.

1.3. OPINIONS OF PROBABLE COST

The estimates for the repair, replacement and modernizations are noted within this PNA are attached to the front of this report, following the cover page.

These estimates are based on invoice or bid documents provided either by the Owner/facility and construction costs developed by construction resources such as *R.S. Means* and *Marshall & Swift*, EMG's experience with past costs for similar properties, city cost indexes, and assumptions regarding future economic conditions.

1.4. METHODOLOGY

Based upon site observations, research, and judgment, along with referencing Expected Useful Life (EUL) tables from various industry sources, EMG opines as to when a system or component will most probably necessitate replacement. Accurate historical replacement records, if provided, are typically the best source of information. Exposure to the elements, initial quality and installation, extent of use, the quality and amount of preventive maintenance exercised, etc., are all factors that impact the effective age of a system or component. As a result, a system or component may have an effective age that is greater or less than its actual chronological age. The Remaining Useful Life (RUL) of a component or system equals the EUL less its effective age. Projections of Remaining Useful Life (RUL) are based on continued use of the Property similar to the reported past use. Significant changes in tenants and/or usage may affect the service life of some systems or components.

The evaluation period identified in this report is defined as 20 years.

The physical condition of building component to be repaired is typically defined as being in one of five categories: Priority One through Five. For the purposes of this report, the following definitions are used:

- Priority One** = These items are to be addressed as Immediate. Items in this category require immediate action and include corrective measures to:
1. Correct life safety and/or code hazards
 2. Replace items that have reached or exceeded their useful service life
 3. ADA/UFAS deficiencies
- Priority Two** = These items are to be addressed within the next 1-2 years. Items in this category require corrective measures to:
1. Return a facility to normal operation
 2. Stop accelerated deterioration
 3. Replace items that have reached or exceeded their useful service life
- Priority Three** = These items are to be addressed within the next 3-5 years. Items in this category, if not corrected expeditiously, will become critical in the next several years. Items in this category include corrective measures to:
1. Stop intermittent interruptions
 2. Correct rapid deterioration
 3. Correct functionality and/or aesthetic issues that are not critical
 4. Correct potential safety hazards
- Priority Four** = These items are to be addressed within the next 6-10 years. Items in this category include conditions requiring appropriate attention to preclude predictable deterioration or potential downtime and the associated damage or higher costs if deferred further.
- Priority Five** = These items are to be addressed within 11-20 years. Items in this category represent a sensible improvement to the existing conditions. These are not required for the most basic function of the facility; however, Priority 5 projects will improve overall usability and/or reduce long-term maintenance costs.

2. PURPOSE AND SCOPE

2.1. PURPOSE

The purpose of this report is to assist the Ann Arbor Housing Commission in evaluating the physical aspects of this property and how its condition may affect the Housing Authority's financial decisions over time. For this PNA, representative samples of the major independent building components were observed and their physical conditions were evaluated in accordance with ASTM E2018-01. These components include the site and building exteriors and representative interior areas. The estimated cost for repairs and/or capital items is included in the enclosed cost tables. All findings relating to these opinions of probable costs are included in the relevant narrative sections of this Report.

The property management staff and code enforcement agencies were interviewed for specific information relating to the physical property, code compliance, available maintenance procedures, available drawings, and other documentation.

The physical condition of building systems and related components is typically defined as being in one of three conditions: Good, Fair, or Poor. For the purposes of this Report, the following definitions are used:

- Good = Satisfactory as-is. Requires only routine maintenance during the evaluation period. Repair or replacement may be required due to a system's estimated useful life.
- Fair = Satisfactory as-is. Repair or replacement is required due to current physical condition and/or estimated remaining useful life.
- Poor = Immediate repair, replacement, or significant maintenance is required.

Each building system or component is further identified with the following references if costs or other actions are applicable:

- RM = Routine maintenance
- P1 = Priority One item
- P2 = Priority Two item
- P3 = Priority Three item
- P4 = Priority Four item
- P5 = Priority Five item

2.2. DEVIATIONS FROM GUIDE (ASTM E2018-01)

ASTM E2018-01 requires that any deviations from the Guide be so stated within the report. EMG's probable cost threshold limitation is reduced from the Guide's \$3,000 to \$1,000, thus allowing for a more comprehensive assessment on smaller scale properties. Therefore, EMG's opinions of probable costs that are individually less than a threshold amount of \$1,000 are typically omitted from this PNA. However, comments and estimated costs regarding identified deficiencies relating to life, safety or accessibility items are included regardless of this cost threshold.

In lieu of providing written record of communication forms, personnel interviewed from the facility and government agencies are identified in Section 2.5. Relevant information based on these interviews is included in Sections 2.5, 3.1, and other applicable report sections.

2.3. ADDITIONAL SCOPE CONSIDERATIONS

Items required by ASTM E2018-01 are included within the Physical Needs Assessment (PNA). Additional “non-scope” considerations were addressed as part of EMG’s PNA. These additional items are identified as follows:

- PNA may be performed by a Professional Engineer and/or Registered Architect
- PNA may be reviewed by a Professional Engineer and/or Registered Architect other than the Field Observer
- Property disclosure information is obtained from *EMG’s Pre-Survey Questionnaire* (copy included in the Appendices)
- A limited visual assessment for ADA accessibility utilizing EMG’s Abbreviated Accessibility Checklist (copy included in the Appendices)
- A limited visual assessment and review of the property for mold growth, conditions conducive to mold growth, and evidence of moisture in accessible areas of the property
- Provide a statement on the property’s Remaining Useful Life
- Provide cross-reference indexing between cost tables and report text
- Provide *Project Summary* table
- Determination of Federal Emergency Management Agency (FEMA) Flood Plain Zone for single address
- Determination of geographic Uniform Building Code Seismic Zone

2.4. PROPERTY’S REMAINING USEFUL LIFE ESTIMATE

Subject to the qualifications stated in this paragraph and elsewhere in this report, the Remaining Useful Life (RUL) of the property is estimated to be not less than 35 years. The Remaining Useful Life estimate is an expression of a professional opinion and is not a guarantee or warranty, expressed or implied. This estimate is based upon the observed physical condition of the property at the time of EMG’s visit and is subject to the possible effect of concealed conditions or the occurrence of extraordinary events such as natural disasters or other “acts of God” that may occur subsequent to the date of EMG’s site visit.

The Remaining Useful Life for the property is further based on the assumption that: (a) the immediate repairs, short term repairs, and future repairs for which funds are recommended are completed in a timely and workman-like manner, and (b) a comprehensive program of preventive and remedial property maintenance is continuously implemented using an acceptable standard of care. The Remaining Useful Life estimate is made only with regard to the expected physical or structural integrity of the improvements on the property, and no opinion regarding economic or market conditions, the present or future appraised value of the property, or its present or future economic utility, is expressed by EMG.

2.5. PERSONNEL INTERVIEWED

The following personnel from the facility and government agencies were interviewed in the process of conducting the PNA:

Name and Title	Organization	Phone Number
Mr. Kevin Centala Property Manager	Ann Arbor Housing Commission	734.794.6720
Mr. Alton Hall Maintenance Technician	Ann Arbor Housing Commission	734.794.6720
Mr. Jeff Ellis Inspection Supervisor	Ann Arbor Building Department	734.794.6267
Ms. Amelia Moshier Management Assistant	Ann Arbor Fire Department	734.794.6961

The PNA was performed with the assistance of Mr. Alton Hall, Maintenance Technician, Ann Arbor Housing Commission, the on site Point of Contact (POC), who was cooperative and provided information that appeared to be accurate based upon subsequent site observations. The on site contact is knowledgeable about the subject property and answered most questions posed during the interview process. The POC's maintenance involvement at the property has been for the past year.

2.6. DOCUMENTATION REVIEWED

Prior to the PNA, relevant documentation was requested that could aid in the knowledge of the subject property's physical improvements, extent and type of use, and/or assist in identifying material discrepancies between reported information and observed conditions. The review of submitted documents does not include comment on the accuracy of such documents or their preparation, methodology, or protocol. The following documents were provided for review while performing the PNA:

- Site plan
- Capital improvements summary
- Partial renovation drawings

No other documents were available for review.

2.7. PRE-SURVEY QUESTIONNAIRE

A Pre-Survey Questionnaire was sent to the client prior to the site visit. The questionnaire was completed by the maintenance and/or property management personnel. The questionnaire is included in Appendix E. Information obtained from the questionnaire has been used in preparation of this PNA.

2.8. WEATHER CONDITIONS

Weather conditions at the time of the site visit were clear, with temperatures in the 80s (°F) and light winds.

3. CODE INFORMATION AND ACCESSIBILITY

3.1. CODE INFORMATION, FLOOD ZONE AND SEISMIC ZONE

According to Ann Arbor Building Department personnel, there are no outstanding building code violations on file. The Building Department does not have an annual inspection program. They only inspect new construction, work that requires a building permit, and citizen complaints. A copy of the original Certificate of Occupancy was requested but was not available.

Based on a review of the zoning classification information at the Ann Arbor Planning Department, the property is located within a R1C, Residential, zoning district and does not appear to be a conforming use. Property is a non conforming use.

According to Ms. Amelia Moshier of the Ann Arbor Fire Department, there are no outstanding fire code violations on file. The Fire Department does not have an annual inspection program. They only inspect new construction, work that requires a building permit, and citizen complaints.

The property is located in an area where there is no published flood map. The property is not in a flood zone.

According to the 1997 Uniform Building Code Seismic Zone Map of the United States, the property is located in Seismic Zone 1, defined as an area of low probability of damaging ground motion.

3.2. ADA AND SECTION 504 ACCESSIBILITY

Generally, Title II of the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973, 29 U.S.C. § 794, is applicable when housing is built or rented with the use of federal funds. Therefore, both public housing and Section 8 housing are covered under the HUD regulations implementing Section 504, 24 C.F.R. Part 8. A housing authority that administers a Section 8 program is a covered entity, although a private landlord that accepts tenants through the Section 8 program is not. 24 C.F.R. § 8.3 (definition of recipient).

Under the HUD regulations implementing Section 504, new multi-family housing (five or more dwelling units) designed or constructed after July 11, 1988 must be readily accessible to and usable to individuals with disabilities. This standard is met if a minimum of 5 percent of the total dwelling units, but not fewer than one unit, is accessible for individuals with mobility impairments. An additional 2 percent of the total units, but not fewer than one unit, must be accessible for persons with hearing or vision impairments. 24 C.F.R. § 8.22(b). It is possible for HUD to prescribe a higher number of accessible units if requested and upon demonstration of need. 24 C.F.R. § 8.22

If substantial alterations are made to a project that has more than 15 units, these same rules apply. A "substantial" alteration is one that costs more than 75 percent of the cost of replacing the entire facility. 24 C.F.R. § 8.23. Lesser alterations must be made accessible to the maximum extent feasible. If changes to single elements within a dwelling unit, when taken together, constitute an alteration to the unit, the entire unit must be made accessible. Once 5 percent of the units are accessible for individuals with mobility impairments, there is no further requirement unless HUD prescribes a higher number. 24 C.F.R. § 8.23.

Structural changes are not required in existing facilities where other means exist for making the program or services accessible to individuals with disabilities. 24 C.F.R. § 8.24. As under Title II, moving a person to an available accessible unit is a viable alternative. A covered entity, however, is not required to make any changes that would fundamentally alter the nature of the program or result in undue administrative or financial burden. The cost of structural changes must be borne by the covered entity.

During the PNA, a limited visual observation for ADA accessibility compliance was conducted. The scope of the visual observation was limited to those areas set forth in EMG's Abbreviated Accessibility Checklist provided in Appendix D of this report. It is understood by the Ann Arbor Housing Commission that the limited observations described herein does not comprise a full ADA Compliance Survey, and that such a survey is beyond the scope of EMG's undertaking. Only a representative sample of areas was observed and, other than as shown on the Abbreviated Accessibility Checklist, actual measurements were not taken to verify compliance.

At a multi-family property, the areas considered as public accommodations are the access to the community center and the parking provisions for the community center.

The facility does not appear to be accessible with Title III of the Americans with Disabilities Act. Elements as defined by the ADAAG that are not accessible as stated within the priorities of Title III, are as follows:

Common Kitchen (Community Center)

- Existing cabinets do not have available knee space to accommodate wheelchair access. Modify existing cabinets for wheelchair access at the kitchen sink in the Community Center.

Estimated Cost: 1 @ \$1,986 each = \$1,986

Unit Accessibility (Single-family Homes)

As the buildings were constructed prior to 1992, the Housing Commission is only required to provide a reasonable accommodation for accessibility. All of the units at the property are 2-story units with bedrooms and bathrooms on the second floor, making adaptation of an accessible unit beyond a reasonable accommodation. As such, the Housing Commission is still required to provide accessible units accounting for 5% of its housing stock. It is recommended that the Housing Commission pursue addition of accessible units at other properties where the conversion may be within a reasonable accommodation.

A full ADA Compliance Survey may reveal some aspects of the property that are not in compliance.

3.3. MOLD

As part of the PNA, EMG completed a limited, visual assessment for the presence of visible mold growth, conditions conducive to mold growth, or evidence of moisture in readily accessible areas of the property. EMG interviewed property personnel concerning any known or suspected mold contamination, water infiltration, or mildew-like odor problems.

This assessment does not constitute a comprehensive mold survey of the property. The reported observations and conclusions are based solely on interviews with property personnel and conditions observed in readily accessible areas of the property at the time of the assessment. Sampling was not conducted as part of the assessment.

EMG did not note obvious visual indications of the presence of mold, conditions conducive to mold, or evidence of moisture in readily accessible interior areas of the property. No further action or investigation is recommended regarding mold at the property.

4. EXISTING BUILDING EVALUATION

4.1. APARTMENT UNIT TYPES

The following table identifies the reported apartment types and apartment mix.

Apartment Unit Types and Mix		
Quantity	Type	Floor Area
10	2 Bedrooms/1 Bathroom	775 SF
10	3 Bedrooms/1 Bathroom	975 SF
5	3 Bedrooms/1 Bathroom	1,116 SF
5	4 Bedrooms/1.5 Bathrooms	1,116 SF
There are currently 0 vacant units.		
There are currently 0 down units.		
30	TOTAL	

4.2. APARTMENT UNITS OBSERVED

Over fifteen percent of the apartment units were observed in order to establish a representative sample and to gain a clear understanding of the property's overall condition. Other areas accessed included the exterior of the property and the roofs observed from grade. The following apartments were observed.

Apartment Units Observed		
Unit/Floor	Type	Comments
810	3 Bedrooms/1 Bathroom	Occupied. Good condition
820	3 Bedrooms/1 Bathroom	Occupied. Good condition
862	2 Bedrooms/1 Bathroom	Occupied. Good condition. Minor blistered paint over bath tub
882	2 Bedrooms/1 Bathroom	Occupied. Good condition
866	4 Bedrooms/1.5 Bathrooms	Occupied. Good condition
860	3 Bedrooms/1 Bathroom	Community Center. Good condition

Access to the community center was limited due to a health clinic event. All other areas of the property were available for observation during the site visit.

A "down unit" is a term used to describe a non-rentable apartment unit due to poor conditions such as fire damage, water damage, missing appliances, damaged floor, wall or ceiling surfaces, or other significant deficiencies. According to the POC, there are no down units. No down units were observed during the site visit.

5. SITE IMPROVEMENTS

5.1. UTILITIES

The following table identifies the utility suppliers and the condition and adequacy of the services.

Site Utilities		
Utility	Supplier	Condition & Adequacy
Sanitary Sewer	City of Ann Arbor	Good and Adequate
Storm Sewer	City of Ann Arbor	Good and Adequate
Domestic Water	City of Ann Arbor	Good and Adequate
Electric Service	DTE Energy	Good and Adequate
Natural Gas Service	DTE Energy	Good and Adequate

Observations/Comments:

- The utilities provided appear to be adequate for the property. There are no unique, on site utility systems such as emergency electrical generators, septic systems, water or waste water treatment plants, or propane gas tanks.

5.2. PARKING, PAVING, AND SIDEWALKS

Item	Description	Action	Condition
Parking and Paving	Surface lots 39 total parking stalls, including handicapped-accessible stalls 4 handicapped-accessible parking stalls Shared parking area Asphalt.	P3	Good
Sidewalks, Curbs and Gutters	Concrete	RM	Good
Site Access	1 driveway into site from South Maple Road	NA	NA

Observations/Comments:

- The asphalt pavement is in good condition Based on its estimated remaining useful life (RUL), the parking lot will require an overlay with new asphalt pavement in order to maintain the integrity of the overall pavement system. The estimated cost of this work is included in the Replacement Reserves Report.

- In addition to the pavement repairs noted above, pothole patching, crack sealing, seal coating, and re-striping of the asphalt pavement will be required during the assessment period to maximize the pavement life. The estimated cost of this work is included in the Replacement Reserves Report.

5.3. DRAINAGE SYSTEMS AND EROSION CONTROL

Item	Description	Action	Condition
Drainage Systems and Erosion Control	Surface flow, inlets, underground piping to municipal system	RM	Good

Observations/Comments:

- There is no evidence of storm water runoff from adjacent properties. The storm water system appears to provide adequate runoff capacity. There is no evidence of major ponding or erosion.
- No repair costs are recommended. Routine maintenance is recommended during the assessment period.

5.4. TOPOGRAPHY AND LANDSCAPING

Item	Description	Action	Condition
Topography	Gentle slopes, Berms along street frontage.	RM	Good
Landscaping	Trees, grass, shrubs	RM	Fair
Irrigation	By hand watering only	NA	NA
Adjacent Properties	Residential	NA	NA
Retaining Walls	Timber	RM	Good

Observations/Comments:

- No repair costs are recommended. Routine maintenance is recommended during the assessment period.

5.5. GENERAL SITE IMPROVEMENTS

Item	Description	Action	Condition
Signage	Monument sign, Street address numbers	RM	Good
Site Lighting	Parking lot light standards	RM	Good
Building Lighting	Wall-mounted fixtures	RM	Good
Fencing	Not applicable	NA	NA
Children's playground equipment	Metal	RM	Good
Dumpsters	Set on pads in wood fenced enclosures	RM	Good

Observations/Comments:

- No repair costs are recommended. Routine maintenance is recommended during the assessment period.

6. BUILDING ARCHITECTURAL AND STRUCTURAL SYSTEMS

6.1. FOUNDATIONS

Item	Description	Action	Condition
Floor	Concrete slab-on-grade basement	RM	Good
Footings	Concrete perimeter footings	RM	Good
Basements and Crawl Spaces	Basement with perimeter Cast in place concrete retaining and bearing walls.	RM	Fair

Observations/Comments:

- The foundations and footings cannot be directly observed. There is no evidence of movement that would indicate excessive settlement.
- The subterranean basement walls are in fair condition. Isolated areas of reported moisture conditions in the basements of the southernmost building. Repairs to this area are reported to be in the current year budget. No costs are included for this work.
- No repair costs are recommended. Routine maintenance is recommended during the assessment period.

6.2. SUPERSTRUCTURE

Item	Description	Action	Condition
Walls	Conventional wood stud-framed walls	RM	Good
Floors	Wood joists with plywood sheathing	RM	Good
Roofs	Manufactured wood trusses, Plywood sheathing	RM	Good

Observations/Comments:

- The superstructure is exposed in some locations, which allows for limited observation. The walls and floors appear to be plumb, level, stable and in good condition.
- No repair costs are recommended. Routine maintenance is recommended during the assessment period.

6.3. ROOFING

Item	Description	Action	Condition
Type	Gabled		
Finish	Asphalt shingles	P3	Fair

Item	Description	Action	Condition
Maintenance	On site personnel maintain the roofs or a contractor is retained when required.		
Age	The roof finishes appear to be about 15 years old		
Warranties	According to the POC, the roofs are not covered by a warranty.		
Drainage	Gutters and downspouts	P4	Good
Flashing	Sheet metal	RM	Good
Insulation	Loose fill fibers	RM	Good
Parapet and Copings	Not applicable	NA	NA
Soffits, Eaves, and Fascias	Concealed soffits	RM	Good
Skylights	Not applicable	NA	NA
Attics	Wood truss joists with plywood sheathing	RM	Good
Ventilation	Soffit vents, Continuous ridge vents	RM	Good
Other	Not applicable	NA	NA

Observations/Comments:

- The property does not have a dedicated roof repair and maintenance contractor. On site personnel maintain the roofs or a contractor is retained when required.
- The roof finishes appear to be in good to fair condition. The shingles are anticipated to be replaced as part of the upcoming capital improvements program. The cost of this work is not included in the cost tables.
- The roof flashings are in good to fair condition. Replacement of the flashings is recommended as part of the upcoming roof finish replacement. The cost of this work is not included in the cost tables.
- The gutters and downspouts are in good condition. The gutters and downspouts are anticipated to be replaced as part of the capital improvements program. The cost of this work is not included in the cost tables.
- Clearing and minor repair of drain system components should be performed regularly as part of the property management's routine maintenance program.
- There is no evidence of roof deck or insulation deterioration. The roof substrate and insulation should be inspected during any future roof repair or replacement work.
- The roof vents are in good condition and will require routine maintenance during the assessment period.

6.4. EXTERIOR WALLS

Item	Description	Action	Condition
Typical Finishes and Cladding	Brick veneer, Vinyl siding	RM, P3	Good
Other finishes	Aluminum trim, Cement board panels under windows	P3	Good
Sealants	Caulking and sealants at finish transitions and at wall openings.	RM	Good

Observations/Comments:

- The vinyl siding is in good condition. Based on the estimated Remaining Useful Life (RUL), the vinyl siding will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report
- The exterior trim is in good condition. Based on the estimated Remaining Useful Life (RUL), exterior painting will be required during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report.
- The sealant is flexible, smooth, and in good to fair condition. The Energy Audit recommends controlling air leakage into the building through addition of caulking, weather stripping, and sealant at window and wall openings. This work can be completed as part of routine maintenance at the property.

6.5. EXTERIOR AND INTERIOR STAIRS

Item	Description	Action	Condition
Exterior Stairs	Not applicable	NA	NA
Interior Stairs	Wood-framed stairs with carpeted treads and risers	RM	Good

Observations/Comments:

- No repair costs are recommended. Routine maintenance is recommended during the assessment period. Carpet replacement cost is included in the apartment unit carpet replacement cost noted in Section 8.1.

6.6. WINDOWS AND DOORS

Item	Description	Action	Condition
Windows	Aluminum-framed, single glazed, sliding units with storm windows and exterior screens	RM	Fair
Doors	Hollow metal doors in wood frames	P2	Good to Fair
Door Hardware	Knob handles / Deadbolts	RM	Good
Overhead Doors	Not applicable	NA	NA

Observations/Comments:

- The windows are scheduled to be replaced as part of the upcoming capital Improvements program. The cost of this work is not included in the cost tables.
- The doors are in good to fair condition. Based on the estimated Remaining Useful Life (RUL) and current condition, the doors will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report.

6.7. PATIO, TERRACE, AND BALCONY

Item	Description	Action	Condition
Patios	Concrete-paved patio, Wooden privacy screens	P5	Good
Balconies	Not applicable	NA	NA

Observations/Comments:

- The patio slabs are in good condition. There are no significant signs of movement, settlement, or cracking.
- The patio fences are in good condition. Based on the estimated Remaining Useful Life (RUL), the patio fences will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report.

6.8. COMMON AREAS, ENTRANCES, AND CORRIDORS

The following table identifies the interior common areas and generally describes the finishes in each common area.

Description					
Renovations/FF&E	The community center was added in 2001 and the common area finishes have not required replacement. The FF&E primarily consists of chairs, desks, tables, kitchen appliances and office equipment				
Area	Floor	Walls	Ceilings	Action	Condition
Community Rooms	Vinyl tile	Painted drywall	Painted drywall	P5/P2	Good
Common Area Restrooms	Vinyl tile	Painted drywall	Painted drywall	P5/P2	Good
Kitchen	Vinyl tile	Painted drywall	Painted drywall	P5/P2	Good

Observations/Comments:

- The interior finishes are in good condition. Based on the estimated Remaining Useful Life (RUL), common area flooring replacement is anticipated over the assessment period. The estimated cost of this work is included in the Replacement Reserves Report. Interior painting is also anticipated during the assessment period. The cost of this work is also included in the Replacements Reserves Cost Estimate.
- The FF&E appears to be in good to fair condition. Based on the estimated Remaining Useful Life (RUL), common area furnishings replacement is anticipated during the assessment period. A cost allowance is included in the Replacement Reserves Report.

7. BUILDING MECHANICAL AND ELECTRICAL SYSTEMS

7.1. BUILDING HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

Item	Description	Action	Condition
Maintenance	Maintained by in-house staff		
Age and Type	The community center is relatively new and has not required any major HVAC equipment replacements.		
Heating & Air-conditioning	Gas-fired split systems with pad-mounted condensing units	P4	Good
Refrigerant	R-22		
Quantity/Capacity	2 gas split-systems with pad-mounted condensing units, which range in size from 2.5 tons to 3 tons		
Distribution	Ducts from basement to space	RM	Good
Controls	Local thermostats	P2	Good
Ducts	Concealed ducts above ceilings	RM	Good
Supplemental systems	Not applicable	NA	NA
Ventilation	Bathroom exhaust fan, Operable windows	RM	Good

Observations/Comments:

- The HVAC systems are maintained by the in-house maintenance staff. Records of the installation, maintenance, upgrades, and replacement of the HVAC equipment at the property were not available for review.
- The HVAC equipment is original. HVAC equipment is reportedly replaced on an "as needed" basis.
- The furnaces appear to be in good condition. Based on the estimated Remaining Useful Life (RUL), the furnaces will require replacement during the assessment period. The Energy Audit recommends replacing the furnaces with Energy Efficient models, having an AFUE of greater than 91 at the end of the current furnaces' useful lives. Refer to the Energy Audit for further details. The estimated cost of this work is included in the Replacement Reserves Report.
- The condensing units appear to be in good condition. Based on the estimated Remaining Useful Life (RUL), the condensing units will require replacement during the assessment period. The Energy Audit recommends replacing the condensing units with Energy Efficient models, having an SEER of greater than 14 at the end of the current furnaces' useful lives. Refer to the Energy Audit for further details. The estimated cost of this work is included in the Replacement Reserves Report.

7.2. BUILDING PLUMBING

Item	Description	Action	Condition
Water Meter	Meters in basements	RM	Good
Domestic Water Supply	Copper pipe	RM	Good
Domestic Waste and Ventilation	Cast iron pipe	RM	Good
Domestic Hot Water	Refer to section 8.3	NA	NA
Common Area Restroom Fixtures	In the community center, residential grade bath fixtures and accessories	RM	Good

Observations/Comments:

- The plumbing systems appear to be well maintained and in good condition. The water pressure appears to be adequate. The plumbing systems will require routine maintenance during the assessment period.
- There is no evidence that the property uses polybutylene piping for the domestic water distribution system.
- No repair costs are recommended. Routine maintenance is recommended during the assessment period.

7.3. BUILDING GAS DISTRIBUTION

Item	Description	Action	Condition
Gas Meter and Regulator	Located along exterior walls of each building / Each tenant individually metered.	RM	Good
Gas Distribution Piping	Steel	RM	Good

Observations/Comments:

- The pressure and quantity of gas appear to be adequate.
- The gas meters and regulators appear to be in good condition and will require routine maintenance during the assessment period.
- Only limited observation of the gas distribution piping can be made due to hidden conditions. The gas piping is in good condition and, according to the POC; there have been no gas leaks.
- No repair costs are recommended. Routine maintenance is recommended during the assessment period.

7.4. BUILDING ELECTRICAL

Item	Description	Action	Condition
Service Type	Underground lines to pad-mounted transformers		
Service Size	120/240-Volt, single-phase, three-wire, alternating current (AC).		

Item	Description	Action	Condition
Electric Meters and Equipment	Meters along rear elevations or side elevations	RM	Good
Wiring	Copper wire in non-metallic sheathed cable	RM	Good
Emergency generator	Not applicable	NA	NA

Observations/Comments:

- The on site electrical systems up to the meters are owned and maintained by the respective utility company.
- The electrical service and capacity appear to be adequate for the property's demands.
- The circuit breaker panels, and electrical meters appear to be in good condition and will require routine maintenance during the assessment period.
- The Energy Audit recommends installing occupational sensors in the most frequently used areas of the Community Center. Refer to the Energy Audit for further details. The minimal cost of this item can be covered by the properties routine maintenance program. No costs are included for this work.
- No repair costs are recommended. Routine maintenance is recommended during the assessment period.

7.5. ELEVATORS AND CONVEYING SYSTEMS

Not applicable. There are no elevators or conveying systems present.

7.6. FIRE PROTECTION SYSTEMS

Item	Description	Action	Condition
Sprinkler Systems	Not Applicable	NA	NA
Other Equipment and Devices	Hard wired smoke detectors in each unit	P1	Good, Poor
Special Systems	Not Applicable	NA	NA
Fire Extinguishers	Not Applicable	NA	NA
Fire Hydrants	Located along parking lot drive aisles	NA	NA
Stair Wells	Not Applicable	NA	NA

Observations/Comments:

- Information regarding fire department inspection information is included in Section 3.1.
- Smoke detector replacement is considered to be routine maintenance.
- Per the NFPA 101 requirements, smoke detectors are located in the required locations. Smoke detectors are required on each level of the dwelling unit and in every bedroom. The smoke detectors must be hard-wired, or the battery operated-type must have 10-year life, be tamper resistant, and are not interchangeable with appliances or toys. Smoke detectors were observed on each level of the units, but were not observed in each bedroom. As such, installation of smoke detectors is required in the bedrooms immediately. The estimated cost of this work is included in the Replacement Reserves Report.

8. DWELLING UNITS

8.1. INTERIOR FINISHES

The following table generally describes the interior finishes in apartment units:

Typical Apartment Finishes			
Room	Floor	Walls	Ceiling
Living room	Carpet	Painted drywall	Painted drywall
Kitchen	Vinyl tile	Painted drywall	Painted drywall
Bedroom	Carpet	Painted drywall	Painted drywall
Bathroom	Ceramic tile	Painted drywall, Fiberglass tub surround	Painted drywall

The interior doors in each apartment unit are painted hollow-core wood doors set in wood frames. Wardrobe closets are accessed bi-fold doors.

Observations/Comments:

- The residential units are typically renovated upon tenant turnover. The renovation generally consists of floor finish cleaning or replacement, interior painting, general cleaning, and repair or replacement of any damaged items.
- The interior finishes in the apartment units are in good condition. Painting is considered to be routine maintenance. Based on its estimated Remaining Useful Life (RUL), the vinyl flooring will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- The interior doors and door hardware are in good condition and will require routine maintenance during the assessment period.

8.2. APPLIANCES

Each apartment unit kitchen typically includes the following appliances:

Appliance	Comment
Refrigerator	Frost-free
Range	Gas
Hood	Ductless
Dishwasher	Not provided

Appliance	Comment
Disposal	Provided
Trash compactor	Not provided

The kitchen cabinets are constructed of wood. The countertops are wood and have a plastic-laminated finish. Hookups are available for washers and dryers, but appliances are not provided by the property management.

Observations/Comments:

- The kitchen appliances vary in age. Apartment appliances are reportedly replaced on an "as needed" basis.
- The kitchen appliances appear to be in good condition. Based on their estimated Remaining Useful Life (RUL), the ranges and range hoods will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report.
- The refrigerators appear to be in good condition. Based on their estimated Remaining Useful Life (RUL), the refrigerators will require replacement during the assessment period. The Energy Audit recommends replacing the refrigerators with Energy Star rated models. Refer to the Energy Audit for further details. It is recommended that the refrigerators be replaced with Energy Star rated models at the end of their estimated useful lives. The estimated cost of this work is included in the Replacement Reserves Report.
- The kitchen cabinets and countertops vary in age and are in good to fair condition. Based on their estimated Remaining Useful Life (RUL) and current condition, the cabinets, countertops, sinks and faucets will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report

8.3. HVAC

Item	Description	Action	Condition
Maintenance	Maintained by in-house staff		
Age and Type	The HVAC equipment appears to vary in age. HVAC equipment is reportedly replaced on an "as needed" basis.		
Heating and Air-conditioning	Gas-fired furnaces	P5	Good
Refrigerant	Not applicable		
Quantity/Capacity	29 furnaces, with an capacity of 88,000 Btu's AFUE rating of 81		
Distribution	Ducts from basement to spaces	RM	Good
Controls	Local thermostats	P2	Good
Ducts	Concealed ducts in the walls, above ceilings or below the floors	RM	Good
Supplemental systems	Tenant owned & maintained window AC units	NA	NA
Ventilation	Bathroom exhaust fans, Operable windows	RM	Good

Observations/Comments:

- The HVAC systems are maintained by the in-house maintenance staff. Records of the installation, maintenance, upgrades, and replacement of the HVAC equipment at the property were not available for review.
- The HVAC equipment appears to vary in age being replaced in 1996 and 1998. HVAC equipment is reportedly replaced on an "as needed" basis.
- The furnaces appear to be in good condition. Based on the estimated Remaining Useful Life (RUL), the furnaces will require replacement during the assessment period. The Energy Audit recommends replacing the furnaces with Energy Efficient models, having an AFUE of greater than 91 at the end of the current furnaces' useful lives. Refer to the Energy Audit for further details. The estimated cost of this work is included in the Replacement Reserves Report.
- The Energy Audit recommends installation of Energy Star rated, programmable, setback thermostats in the units not equipped with them. Refer to the Energy Audit for further details. The estimated cost of this work is included in the Replacements Reserves Report.

8.4. PLUMBING

Item	Description	Action	Condition
Water Meter	Meters in basement	RM	Good
Domestic Water Supply	Copper Pipe	RM	Good
Domestic Waste and Ventilation	Cast iron pipe	RM	Good
Domestic Hot Water	30 gas-fired 40-gallon water heaters 34,000 Btuh input capacity	P2	Good
Restroom fixtures	Residential grade bath fixtures and accessories	P3	Good

Observation/Comments:

- The water heaters appear to be in good condition. Based on the estimated Remaining Useful Life (RUL), the water heaters will require replacement during the assessment period. The Energy Audit recommends replacing the water heaters with high efficiency condensing models. Refer to the Energy Audit for further details. The estimated cost of this work is included in the Replacement Reserves Report.
- The restroom accessories and fixtures appear to be in good condition. Based on the estimated Remaining Useful Life (RUL), the water closets will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report.
- The vanities appear to be in good to fair condition. Based on the estimated Remaining Useful Life (RUL) and current condition, the vanities will require replacement during the assessment period. The estimated cost of this work is included in the Replacement Reserves Report.

8.5. ELECTRICAL

Item	Description	Action	Condition
Service Size	100-Amps, 120/240-Volt, single-phase, three-wire, alternating current (AC) to each unit		
Service Distribution	Breaker panel in each unit	RM	Good
Lighting	Incandescent	RM	Good

Observations/Comments:

- The Energy Audit recommends replacing the incandescent light bulbs in the apartment units with CFL bulbs. This work can be completed as part of routine maintenance at the property. Refer to the Energy Audit for further details.

8.6. FURNITURE, FIXTURES AND EQUIPMENT (FF&E)

Not applicable. There are no furnished apartments.

9. OTHER STRUCTURES

Not applicable. There are no major accessory structures.

10. APPENDICES

APPENDIX A: Photographic Record

APPENDIX B: Site Plan

APPENDIX C: Supporting Documentation

APPENDIX D: EMG Abbreviated Accessibility Checklist

APPENDIX E: Pre-Survey Questionnaire and Documentation Request Form

APPENDIX F: Acronyms and Out of Scope Items

APPENDIX G: Resumes for Report Reviewer and Field Observer

**APPENDIX A:
PHOTOGRAPHIC RECORD**



EMG PHOTOGRAPHIC RECORD

Project No.: 90144.09R-004.052

Project Name: Maple Meadows



Photo #1:	Property signage
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Photo #2:	Front elevation
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Photo #3:	Right side elevation
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Photo #4:	Left elevation
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Photo #5:	Rear elevation
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Photo #6:	Roof
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EMG PHOTOGRAPHIC RECORD

Project No.: 90144.09R-004.052

Project Name: Maple Meadows



Photo #7:	Community center
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Photo #8:	Paving
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Photo #9:	Apartment entry
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Photo #10:	Furnace
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Photo #11:	Community center condensing units
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Photo #12:	Water heater
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EMG PHOTOGRAPHIC RECORD

Project No.: 90144.09R-004.052

Project Name: Maple Meadows



Photo #13:	Water meter
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Photo #14:	Gas meters and regulators
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Photo #15:	Transformer
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Photo #16:	Electric metering
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Photo #17:	Circuit breaker panel
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Photo #18:	Smoke detector
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EMG PHOTOGRAPHIC RECORD

Project No.: 90144.09R-004.052

Project Name: Maple Meadows



Photo #19:	Attic framing
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Photo #20:	Dining area
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Photo #21:	Living room
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Photo #22:	Bathroom
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Photo #23:	Kitchen
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Photo #24:	Bedroom
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EMG PHOTOGRAPHIC RECORD

Project No.: 90144.09R-004.052

Project Name: Maple Meadows



Photo #25: Stairs



Photo #26: Basement stairs



Photo #27: Community center restroom



Photo #28: Community center

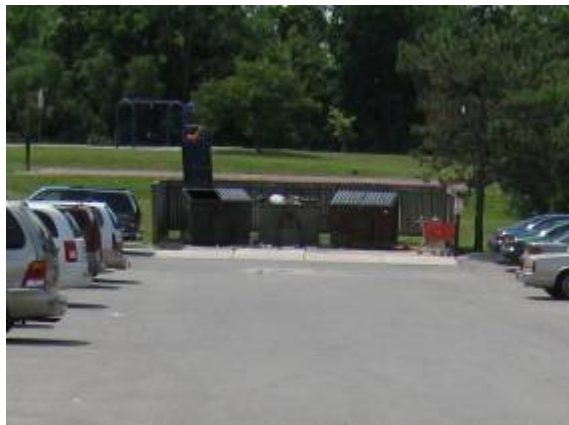


Photo #29: Dumpsters



Photo #30: Retaining wall

**APPENDIX B:
SITE PLAN**

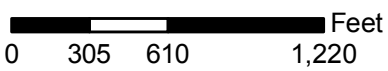
**APPENDIX C:
SUPPORTING DOCUMENTATION**



Ann Arbor City Zoning Map

see map 0825



see map 0931



-  Township Zoning
-  Section Boundary

Prepared By: City of Ann Arbor, Community Services, GIS; Assessor's Office maintains parcel data.

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SECTION 0836

Map Printed: December 21, 2005

**APPENDIX D:
EMG ABBREVIATED ACCESSIBILITY CHECKLIST**

Property Name: Maple Meadows

Date: July 23, 2009

Project Number: 90144.09R-004.052

EMG Abbreviated Accessibility and Section 504 Checklist					
	Building History	Yes	No	N/A	Comments
1.	Has the management previously completed an ADA review?		✓		
2.	Have any ADA improvements been made to the property?		✓		
3.	Does a Barrier Removal Plan exist for the property?		✓		
4.	Has the Barrier Removal Plan been reviewed/approved by an arms-length third party such as an engineering firm, architectural firm, building department, other agencies, etc.?			✓	
5.	Has building ownership or management received any ADA related complaints that have not been resolved?		✓		
6.	Is any litigation pending related to ADA issues?		✓		
	Parking	Yes	No	N/A	Comments
1.	Are there sufficient parking spaces with respect to the total number of reported spaces?			✓	No public parking
2.	Are there sufficient van-accessible parking spaces available (96" wide/ 96" aisle for van)?			✓	
3.	Are accessible spaces marked with the International Symbol of Accessibility? Are there signs reading "Van Accessible" at van spaces?			✓	
4.	Is there at least one accessible route provided within the boundary of the site from public transportation stops, accessible parking spaces, passenger loading zones, if provided, and public streets and sidewalks?			✓	

EMG Abbreviated Accessibility and Section 504 Checklist					
5.	Do curbs on the accessible route have depressed, ramped curb cuts at drives, paths, and drop-offs?			✓	
6.	Does signage exist directing you to accessible parking and an accessible building entrance?			✓	
Ramps		Yes	No	N/A	Comments
1.	If there is a ramp from parking to an accessible building entrance, does it meet slope requirements? (1:12)			✓	No public access
2.	Are ramps longer than 6 ft complete with railings on both sides?			✓	
3.	Is the width between railings at least 36 inches?			✓	
4.	Is there a level landing for every 30 ft horizontal length of ramp, at the top and at the bottom of ramps and switchbacks?			✓	
Entrances/Exits		Yes	No	N/A	Comments
1.	Is the main accessible entrance doorway at least 32 inches wide?			✓	No public access
2.	If the main entrance is inaccessible, are there alternate accessible entrances?			✓	
3.	Can the alternate accessible entrance be used independently?			✓	
4.	Is the door hardware easy to operate (lever/push type hardware, no twisting required and not higher than 48 inches above the floor)?			✓	
5.	Are main entry doors other than revolving door available?			✓	
6.	If there are two main doors in series, is the minimum space between the doors 48 inches plus the width of any door swinging into the space?			✓	
Paths of Travel		Yes	No	N/A	Comments
1.	Is the main path of travel free of obstruction and wide enough for a wheelchair (at least 36 inches wide)?			✓	No public access
2.	Does a visual scan of the main path reveal any obstacles (phones, fountains, etc.) that protrude more than 4 inches into walkways or corridors?			✓	

EMG Abbreviated Accessibility and Section 504 Checklist					
3.	Are floor surfaces firm, stable, and slip resistant (carpets wheelchair friendly)?			✓	
4.	Is at least one wheelchair-accessible public telephone available?			✓	
5.	Are wheelchair-accessible facilities (toilet rooms, exits, etc.) identified with signage?			✓	
6.	Is there a path of travel that does not require the use of stairs?			✓	
7.	If audible fire alarms are present, are visual alarms (strobe light alarms) also installed in all common areas?			✓	
Elevators		Yes	No	N/A	Comments
1.	Do the call buttons have visual signals to indicate when a call is registered and answered?			✓	No elevators
2.	Is the "UP" button above the "DOWN" button?			✓	
3.	Are there visual and audible signals inside cars indicating floor change?			✓	
4.	Are there standard raised and Braille marking on both jambs of each host way entrance?			✓	
5.	Do elevator doors have a reopening device that will stop and reopen a car door if an object or a person obstructs the door?			✓	
6.	Do elevator lobbies have visual and audible indicators of car arrival?			✓	
7.	Does the elevator interior provide sufficient wheelchair turning area (51" x 68")?			✓	
8.	Are elevator controls low enough to be reached from a wheelchair (48 inches front approach/54 inches side approach)?			✓	
9.	Are elevator control buttons designated by Braille and by raised standard alphabet characters (mounted to the left of the button)?			✓	
10.	If a two-way emergency communication system is provided within the elevator cab, is it usable without voice communication?			✓	
Restrooms		Yes	No	N/A	Comments
1.	Are common area public restrooms located on an accessible route?			✓	No public access
2.	Are pull handles push/pull or lever type?			✓	

EMG Abbreviated Accessibility and Section 504 Checklist					
3.	Are there audible and visual fire alarm devices in the toilet rooms?			✓	
4.	Are corridor access doors wheelchair-accessible (at least 32 inches wide)?			✓	
5.	Are public restrooms large enough to accommodate a wheelchair turnaround (60" turning diameter)?			✓	
6.	In unisex toilet rooms, are there safety alarms with pull cords?			✓	
7.	Are stall doors wheelchair accessible (at least 32" wide)?			✓	
8.	Are grab bars provided in toilet stalls?			✓	
9.	Are sinks provided with clearance for a wheelchair to roll under (29" clearance)?			✓	
10.	Are sink handles operable with one hand without grasping, pinching or twisting?			✓	
11.	Are exposed pipes under sink sufficiently insulated against contact?			✓	
12.	Are soap dispensers, towel, etc. reachable (48" from floor for frontal approach, 54" for side approach)?			✓	
13.	Is the base of the mirror no more than 40" from the floor?			✓	

**APPENDIX E:
PRE-SURVEY QUESTIONNAIRE AND
DOCUMENTATION REQUEST FORM**

This questionnaire must be completed by the property owner, the owner's designated representative, or someone knowledgeable about the subject property. **The completed form must be presented to EMG's Field Observer on the day of the site visit.** If the form is not completed, EMG's Project Manager will require **additional time** during the on site visit with such a knowledgeable person in order to complete the questionnaire. During the site visit, EMG's Field Observer may ask for details associated with selected questions. This questionnaire will be utilized as an exhibit in EMG's final Property Condition Report.

Project Name: Maple Meadows **Project Number:** 90144.09R-004.052
Person completing form: Mr. Kevin Centala **Date:** July 23, 2009
Association with Project: Property Manager **Phone Number:** 734.794.6720
Years associated w/Proj.: One month **Fax Number:** _____
Current Owner: Ann Arbor Housing Commission **Phone Number:** _____
Owner Since: _____ **Estimated Value:** _____

Unk = Unknown, NA = Not Applicable

	Yes	No	Unk	NA	Comments
1. Does the property have full-time maintenance personnel on site?		✓			
2. Have there been any capital improvements in the last five years?	✓				
If so, are details available? No					
3. Are there any unresolved building, fire, or zoning code issues?		✓			
If so, what additional info is available?					
4. Are there any "down", unusable units?		✓			
5. Are there any problems or hazards at the property?		✓			
6. Has the property ever had an ADA accessibility review?		✓			
If so, is a copy available?					
7. Does a Barrier removal plan exist for the property?		✓			
8. Are there any unresolved accessibility issues at the property?		✓			
9. Is there any pending litigation concerning the property?		✓			
10. Is site drainage adequate?					
11. Has a termite inspection occurred within the last year?	✓				
Is a copy of an inspection report available? No					
12. Are there any problems with foundations or structures?	✓				Leaks/Cracks
If so, are there plans to address?					
13. Is there any water infiltration in basements or crawl spaces?	✓				
14. Are there any wall or window leaks?	✓				Basement
15. Are there any poorly insulated areas?		✓			
16. Are there any current roof leaks at the property?		✓			
17. Are any roof finishes more than ten years old?	✓				
18. Is the roofing covered by a warranty or bond?		✓			
19. Is Fire Retardant Treated (FRT) plywood used at the property?			✓		



PHYSICAL NEEDS ASSESSMENT

90144.09R-004.052

	Yes	No	Unk	NA	Comments
20. Does the property have an exterior insulation and finish system (EIFS) with a synthetic stucco finish		✓			
21. Do the utilities (electric, gas, sewer, water) provide adequate service?	✓				
22. Is the property served by an on site water system?		✓			
23. Is the property served by an on site septic system?		✓			
24. If present, do irrigation systems function properly?		✓			
25. Are HVAC systems at the property inspected and maintained, at a minimum, annually?	✓				
26. Is the HVAC equipment more than ten years old?	✓				
27. Do any of the HVAC systems use R-11, 12, or 22 refrigerants?		✓			
28. Do tenants contract for their own HVAC work?		✓			
29. Has any HVAC system, or any other part of the property, ever contained visible suspect mold growth? If so, where and when?		✓			
30. Has the property ever been tested for indoor air quality or suspect mold? If so, where and when? Results?		✓			
31. Is there a response action in place to prevent mold growth or respond to its presence? If so, describe. Is a copy available?		✓			
32. Are the water heaters/boilers more than ten years old?	✓				
33. Is polybutylene piping used at the property?			✓		
34. Are there any plumbing leaks or water pressure problems?		✓			
35. Are there any leaks or pressure problems with natural gas service?		✓			
36. Does any part of the electrical system use aluminum wiring?		✓			
37. Do Residential units have a min. of 60-Amp service or Commercial units have a min. 200-Amp service?	✓				
38. Has elevator equipment been replaced in the last ten years?				✓	
39. Are the elevators maintained by a contractor on a regular basis?				✓	
40. Is the elevator emergency communication equipment functional?				✓	
41. Is the elevator emergency communication equipment ADA compliant?				✓	
42. Have the fire/life safety systems been inspected within the last year?	✓				
43. Are there any smoke evacuation or pressurization systems?		✓			
44. Are there any recalled Omega or Central brand fire sprinkler heads that have not yet been replaced?				✓	
45. Are there any emergency electrical generators?		✓			
46. Are the generators maintained on a regular basis?		✓			
47. Do tenants contract for their own improvement work?		✓			



	Yes	No	Unk	NA	Comments
48. Are tenants responsible for any roof, HVAC, or exterior wall maintenance, repair, or replacement?		✓			
If so, what, where and how?					
49. Have there been previous due diligence, engineering, environmental, or geological studies done?		✓			
If so, are copies available?					
50. Is there anything else that EMG should know about when assessing this property? If so, what?		✓			



On the day of the site visit, provide EMG's Field Observer access to all of the available documents listed below. Provide copies if possible.

INFORMATION REQUIRED	
1. All available construction documents (blueprints) for the original construction of the building or for any tenant improvement work or other recent construction work.	8. The company name, phone number, and contact person of all outside vendors who serve the property, such as mechanical contractors, roof contractors, fire sprinkler or fire extinguisher testing contractors, and elevator contractors.
2. A site plan, preferably 8 1/2" X 11", which depicts the arrangement of buildings, roads, parking stalls, and other site features.	9. A summary of recent (over the last 5 years) capital improvement work which describes the scope of the work and the estimated cost of the improvements. Executed contracts or proposals for improvements. Historical costs for repairs, improvements, and replacements.
3. For commercial properties, provide a tenant list which identifies the names of each tenant, vacant tenant units, the floor area of each tenant space, and the gross and net leasable area of the building(s).	10. Records of system & material ages (roof, MEP, paving, finishes, and furnishings).
4. For apartment properties, provide a summary of the apartment unit types and apartment unit type quantities, including the floor area of each apartment unit as measured in square feet.	11. Any brochures or marketing information.
5. For hotel or nursing home properties, provide a summary of the room types and room type quantities.	12. Appraisal, either current or previously prepared.
6. Copies of Certificates of Occupancy, building permits, fire or health department inspection reports, elevator inspection certificates, roof or HVAC warranties, or any other similar, relevant documents.	13. Current occupancy percentage and typical turnover rate records (for commercial and apartment properties).
7. The names of the local utility companies which serve the property, including the water, sewer, electric, gas, and phone companies.	14. Previous reports pertaining to the physical condition of property.
	15. ADA survey and status of improvements implemented.
	16. Current / pending litigation related to property condition.

Your timely compliance with this request is greatly appreciated.



**APPENDIX F:
ACRONYMS AND OUT OF SCOPE ITEMS**

ASTM E2018-01 ACRONYMS

ADA - The Americans with Disabilities Act

ASTM - American Society for Testing and Materials

BOMA - Building Owners & Managers Association

BUR - Built-up Roofing

DWV – Drainage, Waste, Ventilation

EIFS - Exterior Insulation and Finish System

EMF – Electro Magnetic Fields

EMS - Energy Management System

EUL - Expected Useful Life

FEMA - Federal Emergency Management Agency

FFHA - Federal Fair Housing Act

FIRMS - Flood Insurance Rate Maps

FRT- Fire Retardant Treated

FOIA - U.S. Freedom of Information Act (5 USC 552 et seq.) and similar state statutes.

FOIL - Freedom of Information Letter

FM - Factory Mutual

HVAC - Heating, Ventilating and Air-conditioning

IAQ - Indoor Air Quality

MEP – Mechanical, Electrical & Plumbing

NFPA - National Fire Protection Association

PNA - Physical Needs Assessment

PCR - Property Condition Report

PML - Probable Maximum Loss

RTU - Rooftop Unit

RUL - Remaining Useful Life

STC – Sound Transmission Class

UBC – Uniform Building Code

Ref #	Section 8 : ASTM E 2018-01 Out of Scope Items
8.4.1.8	Utilities: Operating conditions of any systems or accessing manholes or utility pits.
8.4.2.2	Structural Frame and Building Envelope: Entering of crawl or confined space areas (however, field observer should observe conditions to the extent easily visible from the point of access to the crawl or confined space areas), determination of previous substructure flooding or water penetration unless easily visible or if such information is provided.
8.4.3.2	Roofs: Walking on pitched roofs, or any roof areas that appear to be unsafe, or roofs with no built-in access, or determining any roofing design criteria.
8.4.4.2	Plumbing: Determining adequate pressure and flow rate, fixture-unit values and counts, or verifying pipe sizes and verifying the point of discharge for underground systems.
8.4.5.2	Heating: Observation of flue connections, interiors of chimneys, flues or boiler stacks, or tenant-owned or maintained equipment.
8.4.6.2	Air-conditioning and Ventilation: Evaluation of process related equipment or condition of tenant owned/maintained equipment.
8.4.7.2	Electrical: Removing of electrical panel covers, except if removed by building staff, EMF issues, electrical testing, or operating of any electrical devices. Process related equipment or tenant owned equipment.
8.4.8.2	Vertical Transportation: Examining of cables, sheaves, controllers, motors, inspection tags, or entering elevator/escalator pits or shafts
8.4.9.1	Life Safety / Fire Protection: Determining NFPA hazard classifications, classifying, or testing fire rating of assemblies.
8.4.10.2	Interior Elements: Operating appliances or fixtures, determining or reporting STC (Sound Transmission Class) ratings, and flammability issues/regulations.

Ref #	Section 11 : ASTM E 2018-01 Out of Scope Items
11.1	<i>Activity Exclusions</i> - The activities listed below are generally excluded from or otherwise represent limitations to the scope of a PNA prepared in accordance with this <i>guide</i> . These should not be construed as all-inclusive or implying that any exclusion not specifically identified is a PNA requirement under this <i>guide</i> .
11.1.1	Removing or relocating materials, furniture, storage containers, personal effects, debris material or finishes; conducting exploratory probing or testing; <i>dismantling</i> or operating of equipment or appliances; or disturbing personal items or <i>property</i> which obstructs access or visibility.
11.1.2	Preparing <i>engineering</i> calculations (civil, structural, mechanical, electrical, etc.) to determine any <i>system's</i> , <i>component's</i> , or equipment's adequacy or compliance with any specific or commonly accepted design requirements or <i>building codes</i> , or preparing designs or specifications to remedy any <i>physical deficiency</i> .
11.1.3	Taking measurements or quantities to establish or confirm any information or representations provided by the <i>owner</i> or <i>user</i> such as: size and dimensions of the <i>subject property</i> or <i>subject building</i> , any legal encumbrances such as easements, dwelling unit count and mix, building <i>property</i> line setbacks or elevations, number and size of parking spaces, etc.
11.1.4	Reporting on the presence or absence of pests such as wood damaging organisms, rodents, or insects unless evidence of such presence is readily apparent during the course of the <i>field observer's walk-through survey</i> or such information is provided to the <i>consultant</i> by the <i>owner</i> , <i>user</i> , property manager, etc. The <i>consultant</i> is not required to provide a <i>suggested remedy</i> for treatment or remediation, determine the extent of infestation, nor provide <i>opinions of probable costs</i> for treatment or remediation of any deterioration that may have resulted.
11.1.5	Reporting on the condition of subterranean conditions such as underground utilities, separate sewage disposal <i>systems</i> , wells; <i>systems</i> that are either considered process-related or peculiar to a specific tenancy or use; waste water treatment plants; or items or <i>systems</i> that are not permanently installed.

Ref #	Section 11 : ASTM E 2018-01 Out of Scope Items
11.1.6	Entering or accessing any area of the premises deemed to pose a threat of <i>dangerous or adverse conditions</i> with respect to the <i>field observer</i> or to perform any procedure, which may damage or impair the physical integrity of the <i>property, any system, or component</i> .
11.1.7	Providing an opinion on the condition of any <i>system or component</i> , which is <i>shutdown</i> , or whose operation by the <i>field observer</i> may significantly increase the registered electrical demand-load. However, <i>consultant</i> is to provide an opinion of its physical condition to the extent reasonably possible considering its age, obvious condition, manufacturer, etc.
11.1.8	Evaluating acoustical or insulating characteristics of <i>systems or components</i> .
11.1.9	Providing an opinion on matters regarding security of the <i>subject property</i> and protection of its occupants or <i>users</i> from unauthorized access.
11.1.10	Operating or witnessing the operation of lighting or other <i>systems</i> typically controlled by time clocks or that are normally operated by the <i>building's operation staff or service companies</i> .
11.1.11	Providing an environmental assessment or opinion on the presence of any environmental issues such as asbestos, hazardous wastes, toxic materials, the location and presence of designated wetlands, IAQ, etc.
11.2	<i>Warranty, Guarantee and Code Compliance Exclusions</i> - By conducting a PNA and preparing a PCR, the <i>consultant</i> is merely providing an opinion and does not warrant or guarantee the present or future condition of the <i>subject property</i> , nor may the PNA be construed as either a warranty or guarantee of any of the following:
11.2.1	any <i>system's or component's</i> physical condition or use, nor is a PNA to be construed as substituting for any <i>system's or equipment's</i> warranty transfer inspection;
11.2.2	compliance with any federal, state, or local statute, ordinance, rule or regulation including, but not limited to, <i>building codes, safety codes, environmental regulations, health codes or zoning ordinances</i> or compliance with trade/design standards or the standards developed by the insurance industry. However, should there be any conspicuous <i>material</i> present violations <i>observed</i> or reported based upon <i>actual knowledge</i> of the <i>field observer</i> or the <i>PCR reviewer</i> , they should be identified in the PCR;
11.2.3	compliance of any material, equipment, or <i>system</i> with any certification or actuation rate program, vendor's or manufacturer's warranty provisions, or provisions established by any standards that are related to insurance industry acceptance/approval such as FM, State Board of Fire Underwriters, etc.
11.3	Additional/General Considerations:
11.3.1	Further Inquiry - There may be physical condition issues or certain physical improvements at the <i>subject property</i> that the parties may wish to assess in connection with a <i>commercial real estate transaction</i> that are outside the scope of this <i>guide</i> . Such issues are referred to as non-scope considerations and if included in the PCR, should be identified under Section 10.9.
11.3.2	<i>Non-Scope Considerations</i> - Whether or not a <i>user</i> elects to inquire into non-scope considerations in connection with this <i>guide</i> is a decision to be made by the <i>user</i> . No assessment of such non-scope considerations is required for a PNA to be conducted in compliance with this <i>guide</i> .

**APPENDIX G:
RESUMES FOR REPORT REVIEWER AND FIELD
OBSERVER**

EMG RESUME

EDWARD BEEGHLY

Quality Assurance Manager

Education

- Pursuing Masters of Engineering in Project Management – UMD College Park
- Ohio Northern University; Bachelor of Science, Civil Engineering, May 1995
- Valley Forge Military College; Associate Degree in Business, May 1991

Project Experience

- ***Charlottesville Department of Public Works, Charlottesville, NC*** – Mr. Beeghly, as the Program Manager on this project, which includes the assessment of eight sites encompassing over 161,000 SF. Projects under this contract include office buildings, a county health center, a fire station, an historic center and an opera house. EMG was responsible for assisting the DPW in developing their capital facilities plan for major rehabilitation projects at these buildings. EMG performed ADA assessments, facility assessments, and completed cost estimates per the RS Means model, adjusted to the location of the projects. Mr. Beeghly was responsible for management of the assessment teams and technical review of deliverables.
- ***Atlanta Housing Authority, Atlanta, GA*** – Mr. Beeghly is serving as the Program Manager for this ADA and Section 504 Assessment. He is responsible for managing the EMG team, as well as technical oversight and facilitating communication between EMG and AHA. Mr. Beeghly's knowledge of multifamily housing will lead the team to provide ADA assessments. EMG will provide AHA with design solutions to bring each facility in compliance with UFAS, and HUD Section 504 standards.
- ***MDSHA District 3, Greenbelt, MD (Chief of Engineering Systems)*** – Mr. Beeghly served as the Chief of Engineering. During this time he managed a staff of seven, including four project managers, two engineering technicians, and one administrative assistant. Their projects included 10 consulting contracts valued at \$12 million dollars. Additionally, he served as Program Manager for District 3's (Suburban Washington D.C.) system preservation programs. He was fiscally responsible for multiple programs valued upwards to \$90 million dollars. He tracked asset management performance goals, program budget, network condition, and public commitments in determining individual project scope and program priority.

Industry Tenure

- A/E: 1995
- EMG: October, 2006

Related Experience

Industry Experience

- Government
- Office
- Industrial
- Affordable/Multi-family Housing
- Healthcare
- Retail
- Hospitality

Active Licenses/Registration

- Engineer in Training – Maryland

Special Skills & Training

- Dean L. H Archer Senior Design Award (Ohio Northern University)
- Geometric Design
- Highway Materials
- Pavement Design
- Project Management

Memberships

- Association of State Highway Engineers

KENNETH KULBEDA, RA*Project Manager***Education**

- Bachelor of Science in Architecture at University of Illinois, 1975

Project Experience

- **National Guard Facilities – State of Pennsylvania** - Mr. Kulbeda is a Senior Project Manager with EMG who is presently one of the Lead Project Managers on Facility Condition Assessments for the State of Pennsylvania National Guard facilities. He is presently assessing the facilities by reviewing and observing the conditions, quality, age etc. of the Site, Architectural, ADA and Structural, components of the buildings and sites, providing the client a written analysis with a projected 25-year budget plan on Asset Calc software program.
- **New York, NY** – Mr. Kulbeda is a Senior Project Manager with EMG, who is the Lead Project Manager for the BER project located at 26 Federal Plaza for GSA. He is assessing the facility by reviewing and observing the conditions, quality, age etc. of the Site, Architectural, and ADA, Structural and Fire Protection components of the buildings and sites, providing the client a written analysis with a projected 20-year budget plan. He is also responsible for receiving all of the report text sections from the other Project Managers involved with this project and assembling the “Master text” report, including providing cost in VFA software.
- **Youngstown, OH** - Mr. Kulbeda is a Senior Project Manager with EMG who was involved in a Feasibility Study for the Housing Authority of Youngstown, OH providing recommendations and budget cost to the client for their facilities.
- **Hendrick Auto** - Mr. Kulbeda is a Senior Project Manager with EMG who reviewed the Facility Condition Assessments reports and budget cost that EMG completed for Hendrick Auto dealerships throughout the United States.
- **Alexandria, VA** Mr. Kulbeda is a Senior Project Manager with EMG who was one of the Lead Project Managers on Facility Condition Assessments for the Alexandria Public School system. He assessed the facilities by reviewing and observing the conditions, quality, age etc. of the Site, Architectural, ADA and Structural, components of the buildings and sites, providing the client a written analysis with a projected 25-year budget plan on CPSI software program.

Industry Tenure

- A/E: 1976
- EMG: 2001

Related Experience

- Multifamily Housing Portfolios
- Government Building Portfolios
- Educational Facility Condition Assessment reports
- Assisted Living Portfolios
- Hospitality Portfolios
- Retail Portfolios
- Architectural Design
- Construction

Industry Experience

- Office
- Industrial
- Hospitality
- Government
- Retail
- Multifamily
- Healthcare
- Educational

Active Licenses/Registration

- Licensed Architect, State of Illinois, License Number 61757
- Member of the Construction Specifications Institute since 1990

Regional Location

- Chicago, IL

- ***Scranton, PA Archdiocese Parishes*** - Mr. Kulbeda is a Senior Project Manager with EMG. He accessed several catholic parish facilities for the Archdiocese of Scranton, by reviewing and observing the conditions, providing an inventory, quality, age etc. of the Site, Architectural, Structural, Mechanical, Electrical and Plumbing components of the buildings and sites, He provided the client a written analysis with a 12 year projected budget plan.
- ***Big Stone Gap, West Virginia*** - Mr. Kulbeda is a Senior Project Manager with EMG, who was the Lead Project Manager for the BER project C. Bascom Slemple Courthouse for GSA. He assessed the facility by reviewing and observing the conditions, quality, age etc. of the Site, Architectural, and ADA, Structural and Fire Protection components of the buildings and sites, providing the client a written analysis with a projected 20-year budget plan. He was also responsible for receiving all of the report text sections from the other Project Managers involved with this project and assembling the “Master text” report, including providing cost in VFA software.
- ***Wilkes-Barre, PA*** – Mr. Kulbeda is a Senior Project Manager with EMG, who was the Lead Project Manager for the BER project Social Security Administration Center for GSA. He assessed the facility by reviewing and observing the conditions, quality, age etc. of the Site, Architectural, and ADA, Structural and Fire Protection components of the buildings and sites, providing the client a written analysis with a projected 20-year budget plan. He was also responsible for receiving all of the report text sections from the other Project Managers involved with this project and assembling the “Master text” report, including providing cost in VFA software.
- ***Toledo, OH*** - Mr. Kulbeda is a Senior Project Manager with EMG who reviewed the Facility Condition Assessments reports and budget cost that EMG completed for Lucas Housing Authority facilities.
- ***San Diego County, CA*** – Mr. Kulbeda is a Senior Project Manager with EMG who worked on Facility Condition Assessments for San Diego County, He assessed the facilities by reviewing and observing the conditions, quality, age etc. of the Site, Architectural, Structural, Mechanical, Electrical and Plumbing components of the buildings and sites, providing the client a written analysis with a projected 20-year budget plan on CPSI software program.
- ***State of Massachusetts DHCD*** – Mr. Kulbeda is a Senior Project Manager with EMG who the State of Massachusetts Public Housing Authority Facilities. He assessed the facilities by reviewing and observing the conditions, providing an inventory, quality, age etc. of the Site, Architectural, Structural, Mechanical, Electrical and Plumbing components of the buildings and sites, providing the client a written analysis with a 5-year projected budget plan on the client’s software program.
- ***City of Milwaukee, WI Housing Authority*** Mr. Kulbeda is a Senior Project Manager with EMG. He assessed the City of Milwaukee Public Housing Authority facilities by reviewing and observing the conditions, providing an inventory, quality, age etc. providing a written analysis with a 10-year projected budget plan on Asset Calc software program.
- ***City of Rockford, IL Housing Authority*** Mr. Kulbeda is a Senior Project Manager with EMG. He assessed the City of Rockford Public Housing Authority facilities by reviewing and observing the conditions, providing an inventory, quality, age etc. of the Site, Architectural, Structural, Mechanical, Electrical and Plumbing components of the buildings and sites. He provided the client a written analysis with a 10-year projected budget plan on Asset Calc software program.
- ***Archdiocese of Chicago, IL*** - Mr. Kulbeda is a Senior Project Manager with EMG. He has and is presently assessing catholic parish facilities for the Archdiocese of Chicago, by reviewing and observing the conditions, providing an inventory, quality, age etc. of the Site, Architectural, Structural, Mechanical, Electrical and Plumbing components of the buildings and sites. He provides the client a written analysis with a 12 or 20-year projected budget plan on Asset Calc software program.
- ***Multi-Family, Schools, Hotels, Nursing Homes, Retail, Offices, Several Locations, United States*** – Mr. Kulbeda is a Senior Project Manager with EMG assessing properties for clients, including HUD, that are re-financing or purchasing a property. He assesses the property by reviewing and observing the conditions, quality, age etc. of the Architectural, Structural, Mechanical, Electrical and Plumbing components of the property. A written report and cost tables with observation comments and recommendations are submitted to the client.
- ***Construction Monitoring*** – Mr. Kulbeda is a Senior Project Manager with EMG. He monitors construction activities for various clients. He reviews and observes on site the quality and percentage of construction, including contractors pay request on a monthly basis. A written report with observation comments is submitted to the client.

ROBERT WEIDENDORF

Project Manager

Education

- BS, Mechanical Engineering, Lawrence Institute of Technology, 1976

Project Experience

Manufactured Home Community Portfolio – Member of the EMG team that performed Property Condition Assessments on manufactured home communities. Properties were located nationwide. (Citigroup) and (Hometown America)

Banking Center Portfolio – Member of the EMG team that performed Property Condition Assessments on banking centers. Properties were located throughout the mid Atlantic region and in Michigan. (AFRT)

Hotel Portfolio – Member of the EMG team that performed Property Condition Assessments on Hotels. Properties were located in Great Britain. (Murphy)

Hotel Portfolio – Member of the EMG team that performed Property Condition Assessments on Hotels. Properties were located throughout the Midwest. (Merrill)

Government Portfolio – Member of the EMG team that performed Property Condition Assessments on municipal residential properties. Properties were located in Pittsburgh and Harrisburg, PA, Houston, TX, Detroit, MI, Milwaukee, WI, Cook County, IL and Richmond, VA.

Government Portfolio – Member of the EMG team that performed Property Condition Assessments on municipal recreational properties. Properties were located in Washington, DC.

Government Portfolio – Member of the EMG team that performed Property Condition Assessments on school properties. Properties were located in the states of Illinois, New York and Virginia.

Industry Tenure

- A/E: 6 years
- EMG: 6 years

Related Experience

- Educational Facility Condition Assessment reports
- Assisted Living Portfolios
- Hospitality Portfolios
- Retail Portfolios

Industry Experience

- Government Facilities
- Office
- Industrial
- Housing/Multi-family
- K-12
- Higher Education
- Hospitality
- Healthcare
- Retail/Wholesale

Active Licenses/Registration

- Registered Professional Engineer, Michigan, License # 29442

Regional Location

- Detroit, Michigan

Government Portfolio – Member of the EMG team that performed Building Engineering Reports on government facilities. Properties were located in Bern, NC, Holbrook, NY, Washington, D.C. and Mt. Hope, WV.

Day Care Centers Portfolio – Member of the EMG team that performed Property Condition Assessments on day care centers. Properties were located nationwide. (KinderCare)

Construction Monitoring – Member of the EMG team that performed Construction Monitoring Services on apartment, hospitality and commercial building facilities. Properties were located in Southfield, Romulus and Auburn Hills, MI and London, ON.

Retail Portfolio – Member of the EMG team that performed Property Condition Assessments on retail properties. Properties were located in throughout the Midwest. (Shopko)

Multi-family Housing Portfolio – Member of the EMG team that performed Property Condition Assessments on apartment buildings. Properties were located in throughout the Midwest. (Casto)

Healthcare Portfolio – Member of the EMG team that performed Property Condition Assessments on nursing home facilities. Properties were located in throughout the Midwest and Northeast. (Ventas) located nationwide. (KinderCare)

Construction Monitoring – Member of the EMG team that performed Construction Monitoring Services on apartment, hospitality and commercial building facilities. Properties were located in Southfield, Romulus and Auburn Hills, MI and London, ON.

Retail Portfolio – Member of the EMG team that performed Property Condition Assessments on retail properties. Properties were located in throughout the Midwest. (Shopko)

Multi-family Housing Portfolio – Member of the EMG team that performed Property Condition Assessments on apartment buildings. Properties were located in throughout the Midwest. (Casto)

Healthcare Portfolio – Member of the EMG team that performed Property Condition Assessments on nursing home facilities. Properties were located in throughout the Midwest and Northeast. (Ventas)

*** FAX TX REPORT ***

TRANSMISSION OK

JOB NO. 4646
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PSWD/SUBADDRESS
DESTINATION ID
ST. TIME 05/20 15:27
USAGE T 00' 20
PGS. 1
RESULT OK

*5/28 2:12pm
WLEHD called
no records for
any sites.
PMD
5/28/13*



Environmental Resources Group

28003 Center Oaks Court • Suite 106 • Wixom, MI • 48393
Phone: 248-773-7986 • Fax: 248-924-3108

FAX COVERSHEET FREEDOM OF INFORMATION REQUEST

Project : 1109.001

To: Environmental Health Department From: Penny M. Dwoinen
Pages
Affiliation: Washtenaw County (incl. cover): 1
Fax: 734-222-3930 Date: May 20, 2013
Phone: 734-222-3800 cc:
Subject: FOIA Request

Urgent FYI As requested Please Reply Hard copy to follow

Comments:

Environmental Resources Group, LLC (ERG) has been retained to conduct Phase I Environmental Site Assessments at the following properties owned by the Ann Arbor Housing Commission:

- Baker Commons - 106 Packard Street, Ann Arbor
- Miller Manor - 727 Miller Avenue, Ann Arbor
- Green Baxter Court - 1701 Green Road, Ann Arbor
- Hikone - 2724 Hikone Road, Ann Arbor
- Maple Meadows - 800-890 S. Maple Road, Ann Arbor

ERG is requesting to review any information available regarding potential environmental impacts (water well records, septic system records, spills, dumping, hazardous material storage or incidents) at the properties.

If there are any questions please contact me at 810-730-4097 or penny.dwoinen@ergrp.net.

Thank you



Environmental Resources Group

28003 Center Oaks Court • Suite 106 • Wixom, MI • 48393
Phone: 248-773-7986 • Fax: 248-924-3108

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If there are any questions please contact me at 810-730-4097 or penny.dwoinen@ergroup.net.

Thank you,

Penny Dwoinen
Project Engineer

(If there are any problems in transmission or I have sent you something in error, please advise).

*** FAX TX REPORT ***

TRANSMISSION OK

JOB NO. 4644
DESTINATION ADDRESS 17349948296
PSWD/SUBADDRESS
DESTINATION ID
ST. TIME 05/20 13:19
USAGE T 00' 41
PGS. 1
RESULT OK



FOIA Request Form
Freedom of Information Act

Office Use Only
FOIA# _____
Due: _____ 10-Day Extension

This form is for non-police records. For police records, contact the police records department.

Please submit to: Ann Arbor City Clerk's Office
301 E. Huron St., P.O. Box 8647
Ann Arbor, MI 48107
Tel: (734) 794-6140
Fax: (734) 994-8296
cityclerk@a2gov.org

The Michigan Freedom of Information Act permits persons to request copies of public records. You may be required to pay for costs incurred in retrieving or copying such records. Some records may be exempt from disclosure.

Date of Request 5/20/2013 Name Environmental Resources Group (ERG)_Penny Dwoinen

Address 28003 Center Oaks Ct., Suite 106, Wixom, MI 48393
Street City State Zip

Telephone 248-773-7986 Email penny.dwoinen@ergpr.net

I am not requesting records or information relating to a civil action in which I (or a person on whose behalf I am making this request) and the City are parties.

Penny Dwoinen
Requester's Signature

Description of Records (please print)

Describe, with specificity, the records you are requesting. If you are not sufficiently specific, it may be impossible to identify the records you request and your request may be denied. You may be contacted for clarification.

Any fire department records, incident reports, chemical inventories, inspection reports for the following Ann Arbor Housing Commission Properties: Baker Commons at 106 Packard, Miller Manor at 727 Miller Ave, Green Baxter Court at 1701 Green Road, Hikone at 2724 Hikone Road, and Maple Meadows at 800 S. Maple Road.

Fire Department Records (fill out only if requesting records pertaining to a fire department incident)

Date of Incident _____ Name of person involved _____

Your relation to person involved _____

- Incident records requested: NFIRS Basic Incident Report Investigation Report
 Photographs Environmental Report Other _____



FOIA Request Form
Freedom of Information Act

Office Use Only
FOIA# _____
Due: _____ 10-Day Extension

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Please submit to: Ann Arbor City Clerk's Office
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Street City State Zip

Telephone 248-773-7986 Email penny.dwoinen@ergp.net

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Your relation to person involved _____

- Incident records requested: NFIRS Basic Incident Report Investigation Report
 Photographs Environmental Report Other _____

You will receive a response within five business days, counted from the day after your request is received. Electronically transmitted requests are deemed received the day after they are sent. The City may, within the five business days, issue a notice extending the request for ~~not~~ more than ten business days. If the estimated costs exceed \$50, you may be required to provide a deposit before your request will be fulfilled. You will be charged allowable fees under FOIA unless you provide documentation showing that you are receiving public assistance or are otherwise unable to pay due to indigence.

Please select how you would like to receive the requested records: Pick up Mail Email

RECORDS WILL NOT BE RELEASED UNTIL FULL PAYMENT OF COSTS



CITY OF ANN ARBOR, MICHIGAN

301 E. Huron Street, P.O. Box 8647, Ann Arbor, Michigan 48107-8647

Phone (734)794-6140 Fax (734)994-8296

www.a2gov.org

City Clerk

May 29, 2013

Penny Dwoinen
28003 Center Oaks Ct., Suite 106
Wixom, MI 48393
Via Email: penny.dwoinen@ergrp.net

Subject: Freedom of Information Act Request received May 21, 2013
13-168 Dwoinen

Dear Ms. Dwoinen:

I am responding to your request under the Michigan Freedom of Information Act received May 21, 2013 for any fire department records, incident reports, chemical inventories, inspection reports for the Ann Arbor Housing Commission properties: Baker Commons at 106 Packard, Miller Manor at 7272 Miller Ave, Green Baxter Court at 1701 Green Road, Hikone at 2724 Hikone Road, and Maple Meadows at 800 S. Maple Road your request is granted in part and denied in part. Your request is denied to the extent that some records do not exist.

The City does not warrant or guarantee the accuracy of the information provided. Rather, it provides the documents only to comply in good faith with the Michigan Freedom of Information Act, and not for any other purpose.

If you receive written notice that your request has been denied, in whole or in part, under Section 10 of the Act, you may, at your option either: (1) submit to the City Administrator a written appeal that specifically states the word "appeal" and identifies the reason(s) for reversal of the disclosure denial; or (2) file a lawsuit in the circuit court to compel the City's disclosure of the record. If after judicial review, the circuit court determines that the City has not complied with the Act, you may be awarded reasonable attorneys' fees and damages as specified under the Act.

If you have any questions concerning this response, please contact Jennifer Alexa, Deputy Clerk, at 734-794-6140.

Sincerely,

Jacqueline Beaudry
City Clerk

ANN ARBOR FIRE DEPARTMENT
FIRE PREVENTION BUREAU INSPECTION REPORT

Address B 10 YALE, 1957

Owner (Business) AC Name AC Address 10 YALE Phone

Owner (Building) AC Name AC Address 10 YALE Phone

Firm Name

Basement First Floor Building Construction 1115-248
 Second Floor Occupancy
 Third Floor

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1. Rubbish, Trash, Debris Accumulation
<input type="checkbox"/>	<input type="checkbox"/>	2. Congested storage, work, or aisle areas
<input type="checkbox"/>	<input type="checkbox"/>	3. Improper exit facilities - Explain
<input type="checkbox"/>	<input type="checkbox"/>	4. Flammable liquids violations - Explain
<input type="checkbox"/>	<input type="checkbox"/>	5. Electrical violations, excessive extension cords, etc.
<input type="checkbox"/>	<input type="checkbox"/>	6. Defective heating units, smoke pipes, water heaters
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7. Building Maintenance needed
<input type="checkbox"/>	<input type="checkbox"/>	8. Sprinkler or standpipe system Violations
<input type="checkbox"/>	<input type="checkbox"/>	9. Inadequate or outdated fire extinguishers
<input type="checkbox"/>	<input type="checkbox"/>	10. Referrals to other Departments - Specify

Regarding Violations, Interviewed
 Comments: REMOVE DEBRIS FROM BASEMENT & STAIRWELL
BASEMENT IS ACCESSIBLE.
REPAIR KITCHEN WIRE (EXPOSED WIRES)
REPAIR WITH SEALED FIRE RATED PARTIAL SEPARATION 1ST FLOOR
REMOVE EXCESSIVE COMBUSTIBLE IN WEDGEMAN'S FIRE
REPAIR TENDRIVE SEPARATION WITH AIR SPACE. IN TENDRIVE
W/ 2 1/2" (2 1/2")

You are hereby requested to remedy the above noted violations of the Fire Prevention Code within 10 days. A reinspection will be made.

Inspector

Fdid	Inci_no	Exp_no	Alm_date	Alm_time	Station	Address	Inci_type	Descript
8101	07-0000195	0	1/12/2007	18:50:38	3	800 S MAPLE RD	154	Dumpster or other outside trash receptacle fire
8101	08-0002484	0	6/6/2008	15:47:00	4	800 S MAPLE RD	154	Dumpster or other outside trash receptacle fire
8101	09-0005451	0	11/29/2009	10:42:00	3	800 S MAPLE RD	311C	Fall
8101	10-0005590	0	7/24/2010	0:28:05	3	800 S MAPLE RD	311L	Minor Injury or Trauma

386
1626

General Property Information

[\[Back to Non-Printer Friendly Version\]](#) [\[Send To Printer\]](#)

Parcel: 09-08-25-402-018 **Unit:** City of Ann Arbor **Data Current As Of:** 5/18/2013 12:49:07 AM

Property Address [collapse]

800 S MAPLE RD
Ann Arbor, MI 48103

Owner Information [collapse]

CITY OF ANN ARBOR
Housing Commission
* PO BOX 8647
Ann Arbor, MI 48107

Unit: 09

Taxpayer Information [collapse]

SEE OWNER INFORMATION

General Information for Tax Year 2013 [collapse]

Property Class: 095 - Exempt City of AA **Assessed Value:** \$0
School District: 81010 - Ann Arbor **Taxable Value:** \$0
State Equalized Value: \$0 **Map #** N/A
User Number Indx: **Date of Last Name Chg:** 06/06/2007

Historical District: N/A **Date Filed:**
Notes: N/A
Census Block Group: N/A

Principal Residence Exemption	June 1st	Final
2014	0.0000 %	-
2013	0.0000 %	0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.	Final Taxable
2012	\$0	\$0	\$0
2011	\$0	\$0	\$0

Land Information [collapse]

	Frontage	Depth
Lot 1:	0.00 Ft.	0.00 Ft.
Lot 2:	0.00 Ft.	0.00 Ft.
Lot 3:	0.00 Ft.	0.00 Ft.
Total Frontage:	0.00 Ft.	Average Depth: 0.00 Ft.

Total Acreage: 0.00
Zoning Code: R1C
Land Value: \$0 **Mortgage Code:** N/A
Land Improvements: N/A **Lot Dimensions/Comments:**
Renaissance Zone: NO
Renaissance Zone Expiration Date:

ECF Neighborhood Code: 099 - 099 exempt

Legal Information for 09-08-25-402-018 [collapse]

LOTS 17-33 W LIBERTY HEIGHTS

Sales Information

0 sale record(s) found.

Sale Date	Sale Price	Adj Sale Price	Instrument	Grantor	Grantee	Terms Of Sale	Liber/Page
-----------	------------	----------------	------------	---------	---------	---------------	------------

Building Information

0 building(s) found.

Description	Floor Area	Yr Built	Est. TCV
-------------	------------	----------	----------

****Disclaimer:** BS&A Software provides this Web Site as a way for municipalities to display information online and is not responsible for the content or accuracy of the data herein. This data is provided for reference only and WITHOUT WARRANTY of any kind, expressed or inferred. Please contact your local municipality if you believe there are errors in the data.

[Privacy Policy](#)

SECTION 10.7

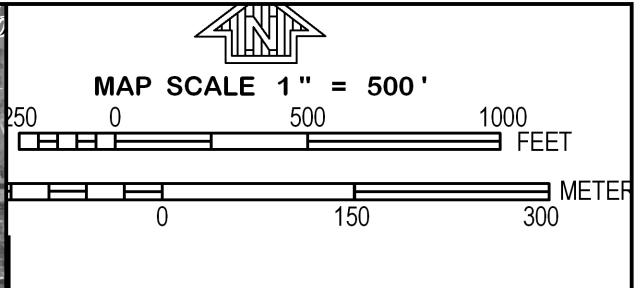
FEMA FIRMette Map

MDEQ Wetland Map

Noise Assessment Documentation

EDR Vapor Encroachment Screen Report

NEPA Report



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0244E


FIRM
FLOOD INSURANCE RATE MAP
WASHTENAW COUNTY,
MICHIGAN
(ALL JURISDICTIONS)

PANEL 244 OF 585
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ANN ARBOR,	260535	0244	E
CHARTER TOWNSHIP OF ANN ARBOR, CITY OF	260213	0244	E
LODI, TOWNSHIP OF	261789	0244	E
PITTSFIELD,	260623	0244	E
CHARTER TOWNSHIP OF SCIO, TOWNSHIP OF	260537	0244	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
26161C0244E
EFFECTIVE DATE
APRIL 3, 2012

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

Wetlands Map Viewer

Print page

Maple Meadows - 800-890 S. Maple Road, Ann Arbor

Add Title



Base Map Legend

- Unincorporated Places
- Interchanges
- Political Boundaries
- FREEWAY
- HIGHWAY
- Primary Roads
- Local Road Names
- Railroads
- County Names
- Lakes
- Rivers
- City, Village, CDP
- County Boundaries
- Wetlands as identified on NWI and MIRIS maps
- Soil areas which include wetland soils
- Wetlands as identified on NWI and MIRIS maps and soil areas which include wetland soils
- Watershed Basins
- Cranberry Suitability - Manistee Co.

This map is not intended to be used to determine the specific locations and jurisdictional boundaries of wetland areas subject to regulation. More information regarding this map, including how to obtain a copy can be accessed at www.michigan.gov/wetlands
 Copyright © 2001-2013 State of Michigan

**Worksheet A
Site Evaluation**

Site Location

800 - 890 S. Maple Road Ann Arbor, Michigan

Program

Project Name

Maple Meadows

Locality

Ann Arbor, Michigan

File Number

Sponsor's Name

Phone

Street Address

City, State

	Acceptability Category	DNL	Predicted for Operations in Year
1. Roadway Noise	normally Unacceptable	72 68	2011
2. Aircraft Noise	Acceptable	<45	2013
3. Railway Noise	NA	—	—
Value of DNL for all noise sources: (see page 3 for combination procedure)		72 68	

Final Site Evaluation (circle one)

Acceptable

Normally Unacceptable

Unacceptable

Signature _____

Date _____

Clip this worksheet to the top of a package containing Worksheets B-E and Workcharts 1-7 that are used in the site evaluations

**Worksheet B
Aircraft Noise**

List all airports within 15 miles of the site:

1. Ann Arbor Municipal Airport - 3.74 miles to SSE
2. Willow Run Airport 12.3 miles to ESE
3. _____

Necessary Information:

Airport 1 Airport 2 Airport 3

1. Are DNL, NEF or CNR contours available? (yes/no)	<u>Yes</u>	<u>Yes</u>	_____
2. Any supersonic aircraft operations? (yes/no)	<u>No</u>	<u>No</u>	_____
3. Estimating approximate contours from Figure 3:			
a. number of nighttime jet operations	_____	_____	_____
b. number of daytime jet operations	_____	_____	_____
c. effective number of operations (10 times a + b)	_____	_____	_____
d. distance A for 65 dB	_____	_____	_____
70dB	_____	_____	_____
75 dB	_____	_____	_____
e. distance B for 65 dB	_____	_____	_____
70 dB	_____	_____	_____
75 dB	_____	_____	_____
4. Estimating DNL from Table 2:			
a. distance from 65 dB contour to flight path, D ¹	_____	_____	_____
b. distance from NAL to flight path, D ²	_____	_____	_____
c. D ² divided by D ¹	_____	_____	_____
d. DNL	<u><45</u>	<u><45</u>	_____
5. Operations projected for what year?	<u>2014</u>	<u>2015</u>	_____
6. Total DNL from all airports	<u><45</u>	<u><45</u>	_____

See DNL contour maps

Signed _____ Date _____

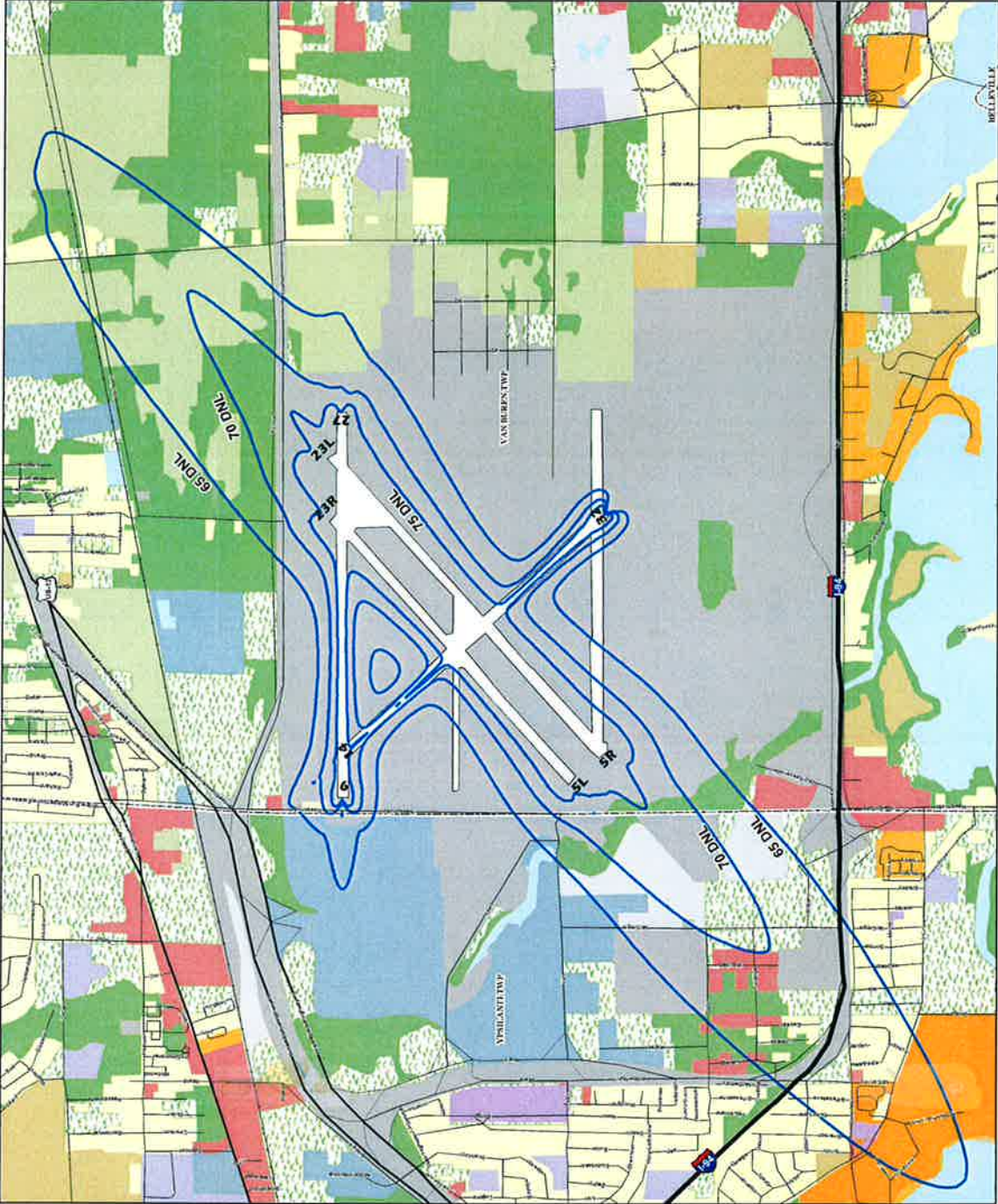


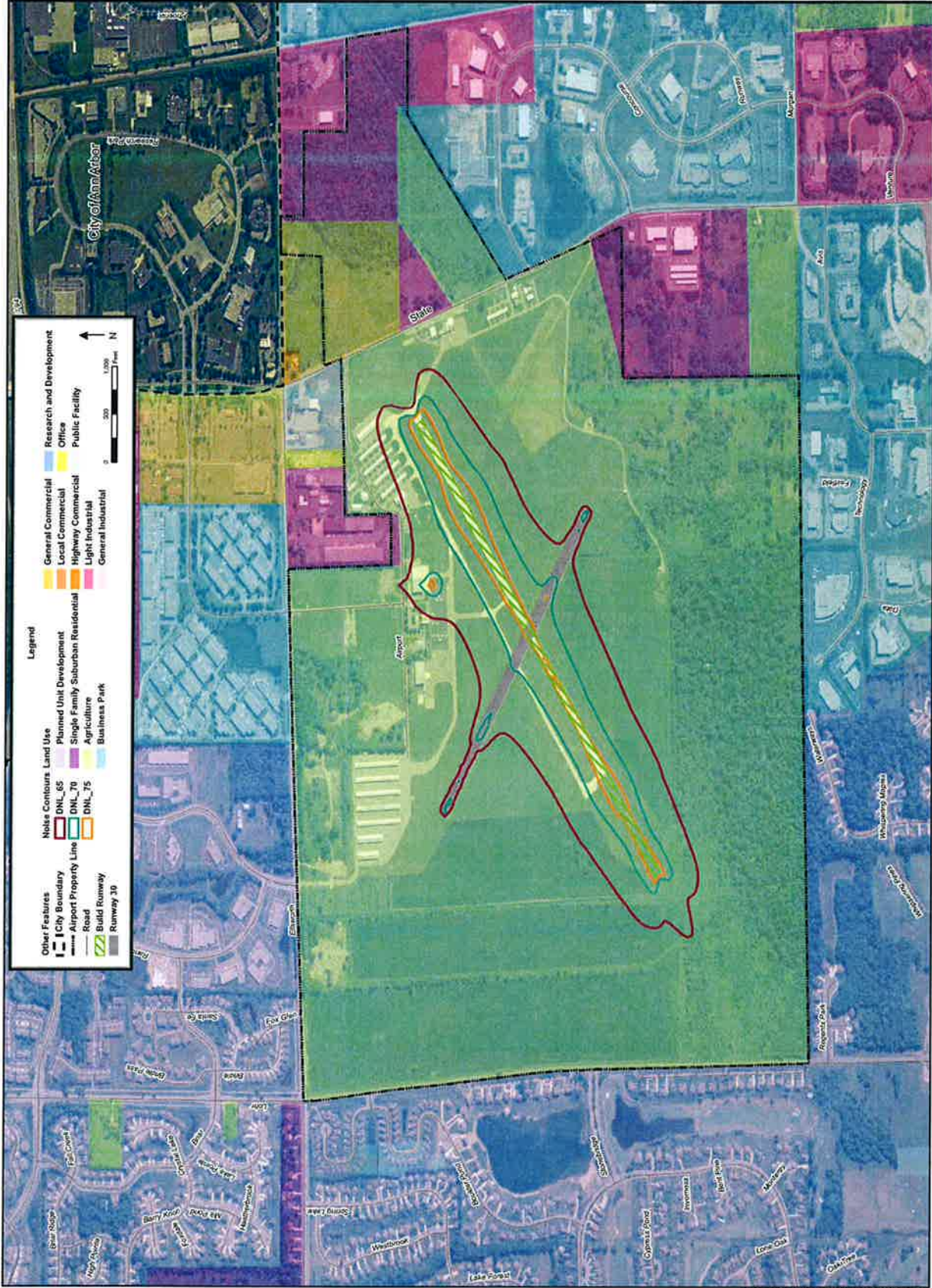
Figure 12
Future 2015 Noise Exposure Map

- Land Use Legend**
- 2015 Base Case DNL Noise
 - Single-family residential
 - Residential areas with 25% or more vacant land
 - Multiple-family residential
 - Commercial and office
 - Institutional
 - Industrial
 - Transportation, communication, and utility
 - Under development
 - Vacant nonresidential
 - Extractive and barren
 - Cultural, outdoor recreation, and cemetery
 - Woodland and wetland
 - Active agriculture
 - Grassland, and shrub
 - Water

The 65 DNL contour contains approximately 1995 acres, 382 residential structures and 1042 people.
 The 70 DNL contour contains approximately 822 acres, 1 residential structure and 3 people.
 The 75 DNL contour contains approximately 351 acres, no residential structures and no people.
 Planning jurisdictions are shown on the map.
 Noise measurement sites and flight tracks are depicted on the Noise Measurement Site and Flight Tracks Maps.
 Residential land use, as defined by FAR Part 15D, is an area where the average sound attenuation within the 65 DNL or greater contour.
 The Noise Exposure Maps and accompanying documentation were prepared in accordance with the requirements set forth in FAR Part 15D with the best available information, are hereby certified as true and complete to the best of my knowledge and belief.
 In addition, it is hereby certified that the public was afforded the opportunity to review and comment on the document and its contents.

Signature _____ Date _____





List all major roads within 1000 feet of the site:

1. I-94
2. _____
3. _____
4. _____

Necessary Information

Road 1 Road 2 Road 3 Road 4

1. Distance in feet from the NAL to the edge of the road
 - a. nearest lane 675'
 - b. farthest lane 865'
 - c. average (effective distance) 770'
2. Distance to stop sign NA
3. Road gradient in percent 0
4. Average speed in mph
 - a. Automobiles 70
 - b. heavy trucks - uphill 70
 - c. heavy trucks - downhill 70
5. 24 hour average number of automobiles and medium trucks in both directions (ADT)
 - a. automobiles 45,900
 - b. medium trucks —
 - c. effective ADT (a + (10xb)) 45,900
6. 24 hour average number of heavy trucks
 - a. uphill —
 - b. downhill —
 - c. total 8,100
assume
15%
7. Fraction of nighttime traffic (10 p.m. to 7 a.m.) 15%
8. Traffic projected for what year? 2011

Site DNL Calculator

For more information on using the noise calculator, to access the user guidebook, or send comments, please visit the following page:

[Day/Night Noise Level Electronic Assessment Tool](#)

Guidelines:

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

Site ID
 Record Date
 User's Name

Road # 1 Name:

Road #1			
Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
Effective Distance	770		770
Distance to Stop Sign			
Average Speed	70		70
Average Daily Trips (ADT)	45900		8100
Night Fraction of ADT	15		15
Road Gradient (%)			0
Vehicle DNL	59.1334		67.5005
Calculate Road #1 DNL	68.0638	Reset	

Airport Noise Level

Loud Impulse Sounds? Yes No

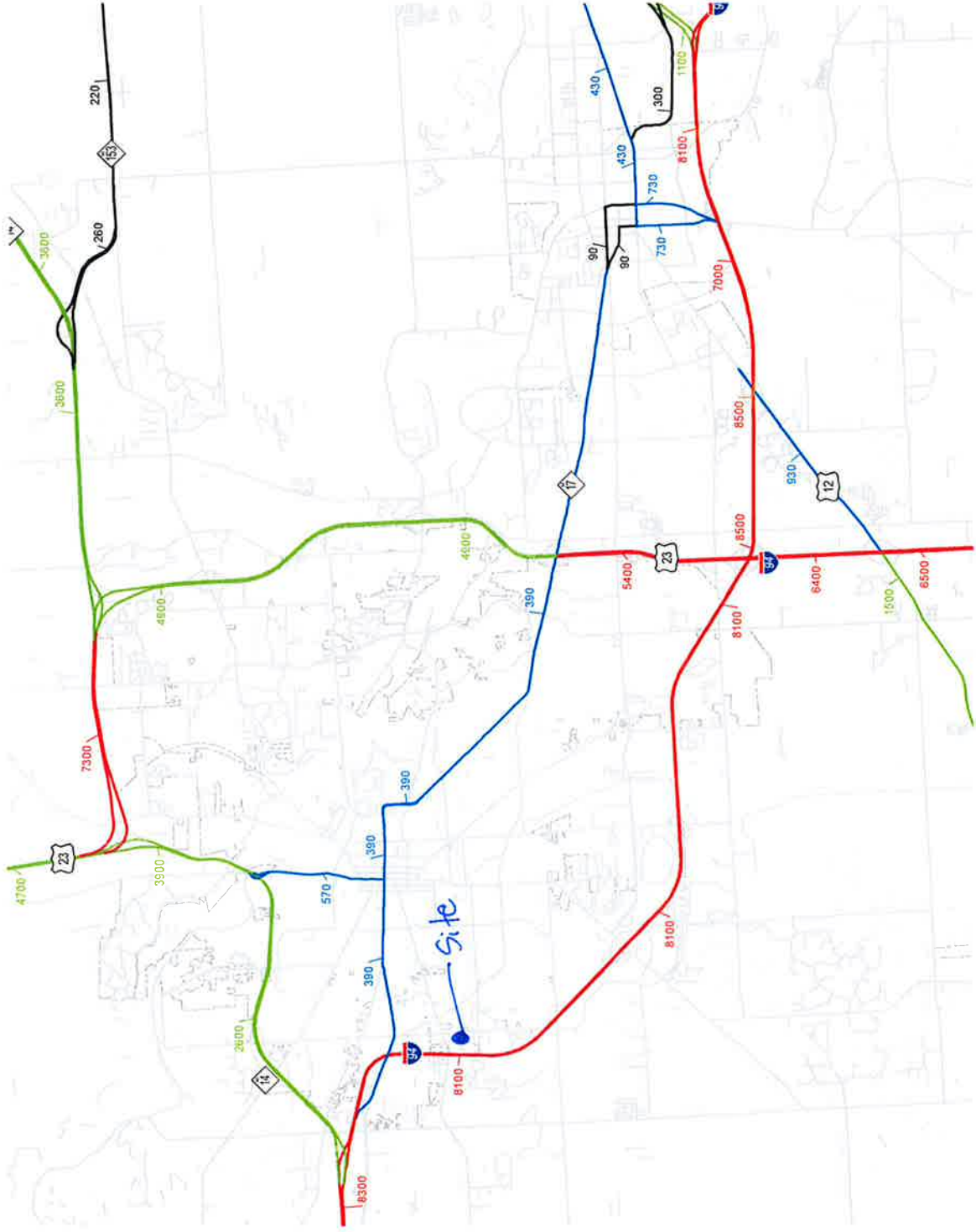
Combined DNL for all
Road and Rail sources

Combined DNL including Airport
Site DNL with Loud Impulse Sound

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**
Cancel the project at this location [DNL Calculator](#)
- **Other Reasonable Alternatives**
Choose an alternate site [DNL Calculator](#)
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer - [Environmental Contacts](#)**
 - **Increase mitigation in the building walls** (only effective if no outdoor, noise sensitive areas).
 - **Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses**
[DNL Calculator](#)
 - **Incorporate natural or man-made barriers.** See [The Noise Guidebook](#)
 - **Construct noise barrier.** See the [Barrier Performance Module](#)



MDOT Commercial ADT 2011 Map

List All Railways within 3000 feet of the site:

- 1. none
- 2. _____
- 3. _____

Necessary Information:

Railway No. 1 Railway No. 2 Railway No. 3

- 1. Distance in feet from the NAL to the railway track: _____
- 2. Number of trains in 24 hours:
 - a. diesel _____
 - b. electrified _____
- 3. Fraction of operations occurring at night (10 p.m. – 7 a.m.): _____
- 4. Number of diesel locomotives per train: _____
- 5. Number of rail cars per train:
 - a. diesel trains _____
 - b. electrified trains _____
- 6. Average train speed: _____
- 7. Is track welded or bolted? _____
- 8. Are whistles or horns required for grade crossings? _____

Maple Meadows

800 S. Maple Road
Ann Arbor, MI 48103

Inquiry Number: 3594449.8s
July 8, 2013

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Primary Map	2
Secondary Map	3
Aerial Photography	4
Map Findings	5
Record Sources and Currency	GR-1

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

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The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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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 the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600-10).

	Maximum Search Distance*	Summary		
		property	1/10	1/10 - 1/3
STANDARD ENVIRONMENTAL RECORDS				
Federal NPL	0.333	0	0	0
Federal CERCLIS	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	0	0
Federal RCRA TSD facilities list	0.333	0	0	0
Federal RCRA generators list	property	0	-	-
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	0	-	-
State and tribal - equivalent NPL	not searched	-	-	-
State and tribal - equivalent CERCLIS	0.333	0	0	0
State and tribal landfill / solid waste disposal	0.5	0	0	0
State and tribal leaking storage tank lists	0.333	0	0	0
State and tribal registered storage tank lists	property	0	-	-
State and tribal institutional control / engineering control registries	property	0	-	-
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfields sites	0.333	0	0	0
Other Standard Environmental Records	0.333	0	0	0
HISTORICAL USE RECORDS				
Former manufactured Gas Plants	0.333	0	0	0
Historical Gas Stations	0.25	0	0	0
Historical Dry Cleaners	0.25	0	0	0

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied. See the section 'Record Sources and Currency' for information on individual databases.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

MAPLE MEADOWS
800 S. MAPLE ROAD
ANN ARBOR, MI 48103

COORDINATES

Latitude (North):	42.2721 - 42° 16' 19.554749"
Longitude (West):	83.78 - 83° 46' 47.995605"
Elevation:	968 ft. above sea level

EXECUTIVE SUMMARY

PHYSICAL SETTING INFORMATION

Flood Zone: Not Available
 NWI Wetlands: YES

AQUIFLOW®

Search Radius: 0.333 Mile.

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A2 ENE 1/10 - 1/3 mile Lower	↓	Site ID: 810256 Groundwater Flow: S Shallowest Water Table Depth: 4 Deepest Water Table Depth: 12.5 Average Water Table Depth: Not Reported Date: 04/09/1993	AQUIFLOW	63229
A3 ENE 1/10 - 1/3 mile Lower	(GI)	Site ID: 810074 Groundwater Flow: Not Reported Shallowest Water Table Depth: 13 Deepest Water Table Depth: 25 Average Water Table Depth: Not Reported Date: 03/09/1995	AQUIFLOW	39429
4 East 1/10 - 1/3 mile Lower	←	Site ID: Not Reported Groundwater Flow: W Shallowest Water Table Depth: 7 Deepest Water Table Depth: 8.5 Average Water Table Depth: Not Reported Date: 04/08/1997	AQUIFLOW	45842
1G ENE 1/10 - 1/3 mile Lower	(GI)	Site ID: 810074 Groundwater Flow: Not Reported Shallowest Water Table Depth: 13 Deepest Water Table Depth: 25 Average Water Table Depth: Not Reported Date: 03/09/1995	AQUIFLOW	39429
2G ENE 1/10 - 1/3 mile Lower	↓	Site ID: 810256 Groundwater Flow: S Shallowest Water Table Depth: 4 Deepest Water Table Depth: 12.5 Average Water Table Depth: Not Reported Date: 04/09/1993	AQUIFLOW	63229

EXECUTIVE SUMMARY

Map ID
Direction
Distance
Elevation

Database EDR ID Number

3G ←
East
1/10 - 1/3 mile
Lower

Site ID: Not Reported
Groundwater Flow: W
Shallowest Water Table Depth: 7
Deepest Water Table Depth: 8.5
Average Water Table Depth: Not Reported
Date: 04/08/1997

AQUIFLOW 45842

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: BROOKSTON

Soil Surface Texture: loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly. Soils are wet to the surface most of the time. Depth to water table is less than 1 foot, or is ponded.

Hydric Status: Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
2	14 inches	46 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	46 inches	66 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 8.40 Min: 7.40

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: muck
sandy loam
loamy sand
fine sandy loam
fine sand

Surficial Soil Types: muck
sandy loam
loamy sand
fine sandy loam
fine sand

Shallow Soil Types: sandy loam
loamy sand
sandy clay loam

Deeper Soil Types: muck
sandy loam
gravelly - sand
clay loam
fine sand
sand
stratified

EXECUTIVE SUMMARY

SEARCH RESULTS

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

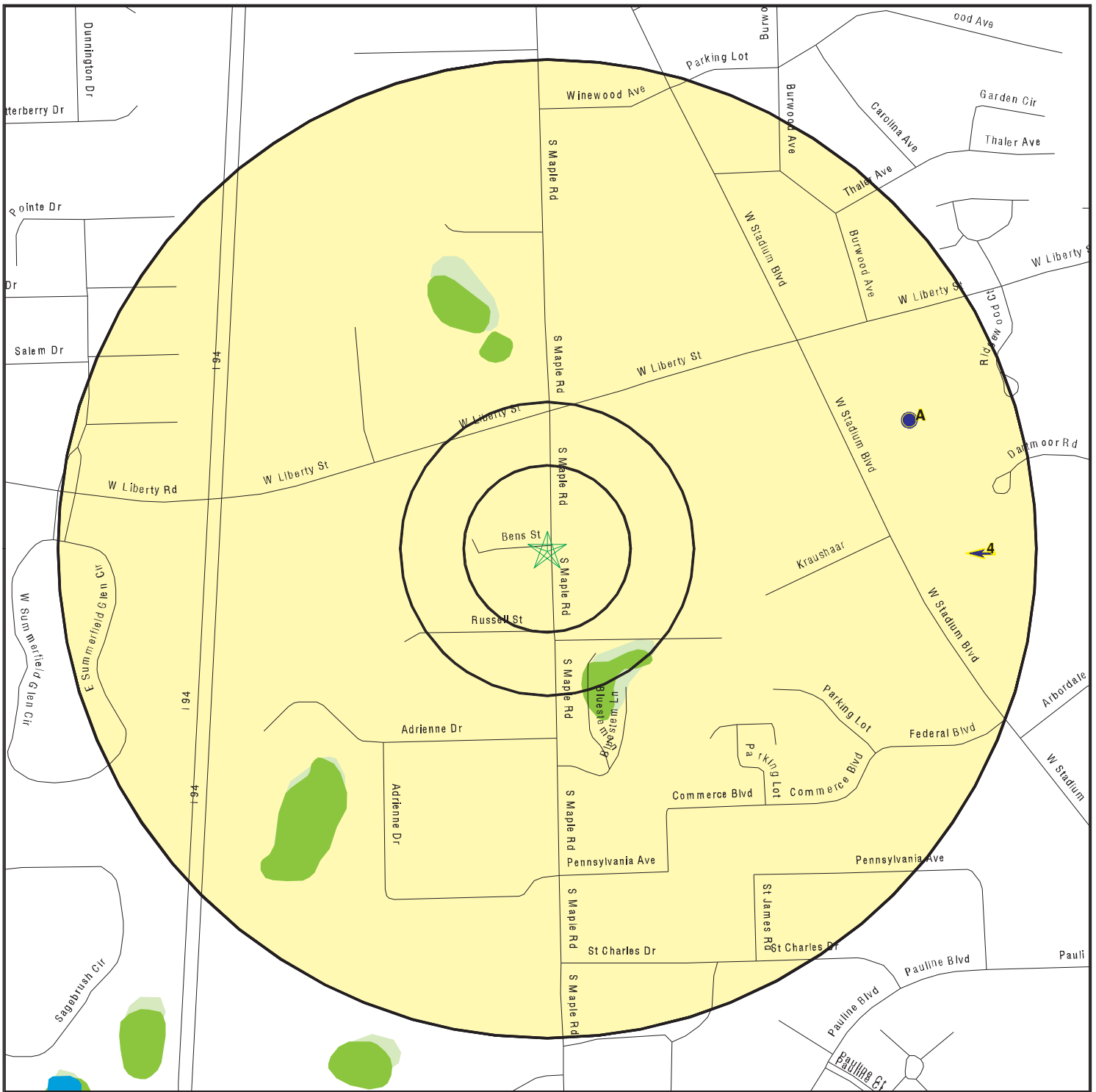
STANDARD ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

HISTORICAL USE RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

PRIMARY MAP - 3594449.8s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ▼ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚧 National Priority List Sites
- 🏠 Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- National Wetland Inventory
- State Wetlands

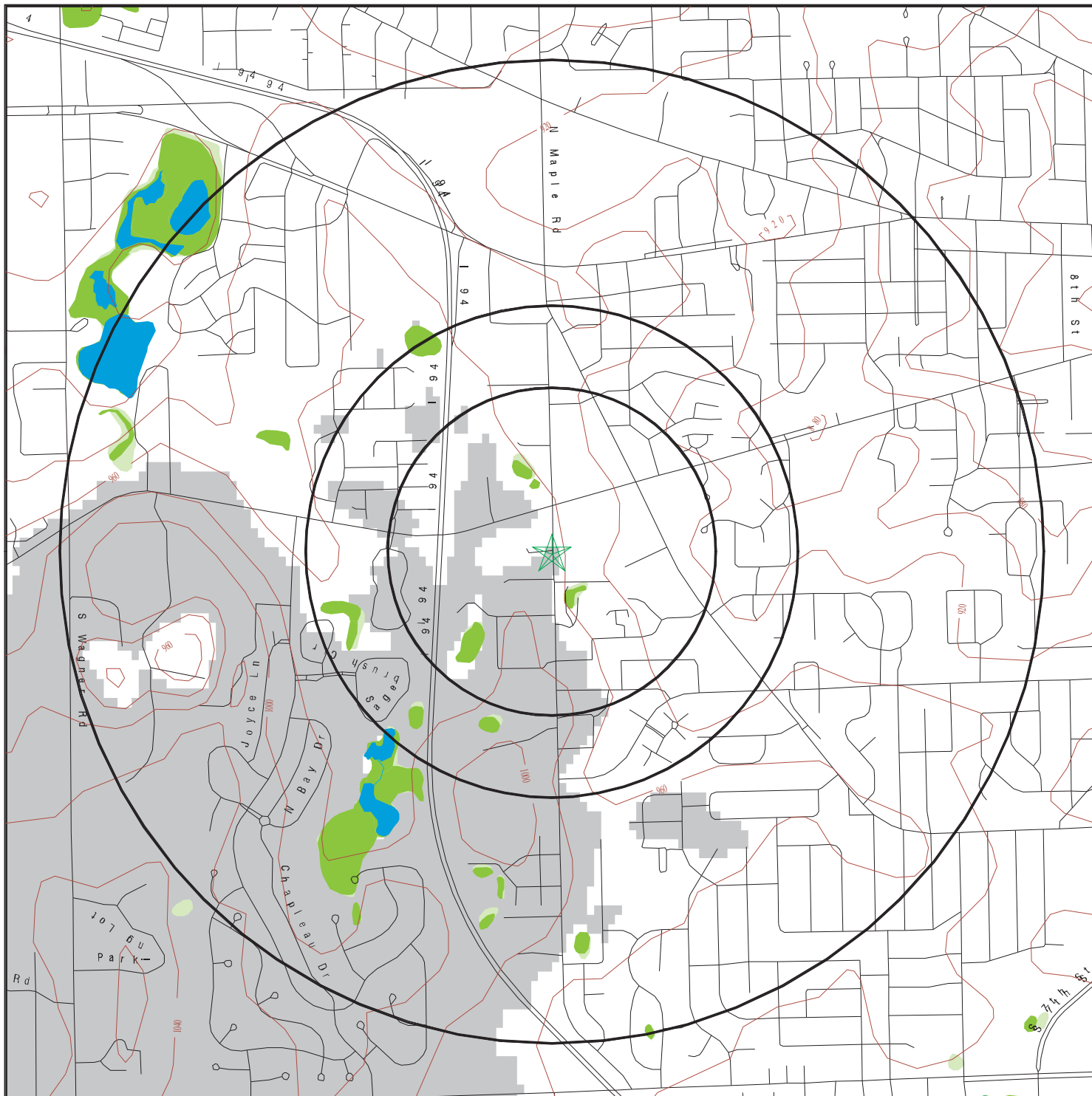
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location



SITE NAME: Maple Meadows
 ADDRESS: 800 S. Maple Road
 Ann Arbor MI 48103
 LAT/LONG: 42.2721 / 83.78

CLIENT: Environmental Resources Group, Inc.
 CONTACT: Penny M. Dwoinen
 INQUIRY #: 3594449.8s
 DATE: May 01, 2013 9:24 pm

SECONDARY MAP - 3594449.8s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

▼ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

— Contour Lines

— Oil & Gas pipelines from USGS

■ National Wetland Inventory

■ State Wetlands

■ Upgradient Area

0 1/3 1/2 1 Miles



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AERIAL PHOTOGRAPHY - 3594449.8s



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INQUIRY #: 3594449.8s
DATE: May 01, 2013 9:25 pm

MAP FINDINGS

LEGEND

FACILITY NAME		FACILITY ADDRESS, CITY, ST, ZIP		EDR SITE ID NUMBER
▼ MAP ID#	Direction	Distance Range	(Distance feet / miles)	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.
	Relative Elevation	Feet Above Sea Level		
Worksheet:				
Comments: Comments may be added on the online Vapor Encroachment Worksheet.				

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

RECORD SOURCES AND CURRENCY

To maintain currency of the following databases, EDR contacts the appropriate 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

PRP: Potentially Responsible Parties

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/02/2012

Source: EPA

Number of Days to Update: 69

Telephone: 202-564-6023

Last EDR Contact :04/04/2013

RMP: Risk Management Plans

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 05/08/2012

Source: Environmental Protection Agency

Number of Days to Update: 46

Telephone: 202-564-8600

Last EDR Contact :04/29/2013

AIRS: Permit and Emissions Inventory Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Permit and emissions inventory data.

Date of Government Version: 01/09/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 54

Telephone: 517-373-7074

Last EDR Contact :03/25/2013

AST: Aboveground Tanks

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

Registered Aboveground Storage Tanks.

Date of Government Version: 02/21/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 31

Telephone: 517-373-8168

Last EDR Contact :02/18/2013

AUL: Engineering and Institutional Controls

Standard Environmental Record Source: State and tribal institutional control / engineering control registries

RECORD SOURCES AND CURRENCY

Search Distance: Property

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

Date of Government Version: 03/28/2012

Source: Department of Natural Resources & Environment

Number of Days to Update: 23

Telephone: 517-373-4828

Last EDR Contact :03/04/2013

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 02/25/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 35

Telephone: 517-373-9541

Last EDR Contact :02/18/2013

BROWNFIELDS: Brownfields and USTfield Site Database

Standard Environmental Record Source: State and tribal Brownfields sites

Search Distance: 0.333 Mile

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: 07/27/2012

Source: Department of Natural Resources & Environment

Number of Days to Update: 51

Telephone: 517-373-4805

Last EDR Contact :04/29/2013

BROWNFIELDS 2: Brownfields Building and Land Site Locations

Standard Environmental Record Source: State and tribal Brownfields sites

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007

Source: Economic Development Corporation

Number of Days to Update: 21

Telephone: 888-522-0103

Last EDR Contact :03/04/2013

CDL: Clandestine Drug Lab Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008

Source: Department of Community Health

Number of Days to Update: 3

Telephone: 517-373-3740

Last EDR Contact :04/29/2013

COAL ASH: Coal Ash Disposal Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

RECORD SOURCES AND CURRENCY

Date of Government Version: 04/21/2011
Number of Days to Update: 22
Last EDR Contact :04/08/2013

Source: Department of Natural Resources & Environment
Telephone: 586-753-3754

DEL SHWS: Delisted List of Contaminated Sites

Standard Environmental Record Source: State and tribal - equivalent CERCLIS
Search Distance: 0.333 Mile

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support it's listing or the site no longer meets criteria specified in rules.

Date of Government Version: 02/01/2013
Number of Days to Update: 27
Last EDR Contact :04/29/2013

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541

DRYCLEANERS: Drycleaning Establishments

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

A listing of drycleaning facilities in Michigan.

Date of Government Version: 10/22/2012
Number of Days to Update: 35
Last EDR Contact :04/19/2013

Source: Department of Natural Resources & Environment
Telephone: 517-335-4586

HIST LF: Inactive Solid Waste Facilities

Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Search Distance: 0.333 Mile

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Number of Days to Update: 6
Last EDR Contact :02/28/2003

Source: Department of Natural Resources & Environment
Telephone: 517-335-4034

LIENS: Lien List

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 12/03/2012
Number of Days to Update: 36
Last EDR Contact :04/26/2013

Source: Department of Natural Resources & Environment
Telephone: 517-373-9837

LUST: Leaking Underground Storage Tank Sites

Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

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

Date of Government Version: 02/01/2013
Number of Days to Update: 38

Source: Department of Natural Resources & Environment
Telephone: 517-373-9837

RECORD SOURCES AND CURRENCY

Last EDR Contact :02/19/2013

NPDES: List of Active NPDES Permits

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 01/08/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 50

Telephone: 517-241-1300

Last EDR Contact :04/10/2013

PEAS: Pollution Emergency Alerting System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 12/31/2012

Source: Department of Natural Resources & Environment

Number of Days to Update: 49

Telephone: 517-373-8427

Last EDR Contact :03/11/2013

SHWS: Contaminated Sites

Standard Environmental Record Source: State and tribal - equivalent CERCLIS

Search Distance: 0.333 Mile

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

Date of Government Version: 01/28/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 29

Telephone: 517-373-9541

Last EDR Contact :01/30/2013

SWF/LF: Solid Waste Facilities Database

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

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: 01/03/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 11

Telephone: 517-335-4035

Last EDR Contact :04/02/2013

SWRCY: Recycling Facilities

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.5 Mile

A listing of recycling center locations.

Date of Government Version: 11/24/2009

Source: Department of Natural Resources & Environment

Number of Days to Update: 28

Telephone: 517-241-5719

RECORD SOURCES AND CURRENCY

Last EDR Contact :04/05/2013

UIC: Underground Injection Wells Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 01/30/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 28

Telephone: 517-241-1515

Last EDR Contact :04/29/2013

UST: Underground Storage Tank Facility List

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

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: 02/01/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 38

Telephone: 517-335-4035

Last EDR Contact :02/19/2013

UST 2: Underground Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 02/07/2013

Source: Department of Environmental Quality

Number of Days to Update: 24

Telephone: 517-335-7211

Last EDR Contact :04/23/2013

WDS: Waste Data System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 02/15/2013

Source: Department of Natural Resources & Environment

Number of Days to Update: 13

Telephone: 517-373-9875

Last EDR Contact :02/15/2013

2020 COR ACTION: 2020 Corrective Action Program List

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.25 Mile

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: 11/11/2011

Source: Environmental Protection Agency

Number of Days to Update: 7

Telephone: 703-308-4044

Last EDR Contact :02/15/2013

RECORD SOURCES AND CURRENCY

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Standard Environmental Record Source: Federal CERCLIS

Search Distance: 0.333 Mile

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/04/2013

Source: EPA

Number of Days to Update: 12

Telephone: 703-412-9810

Last EDR Contact :04/05/2013

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/05/2013

Source: EPA

Number of Days to Update: 12

Telephone: 703-412-9810

Last EDR Contact :04/05/2013

COAL ASH DOE: Sleam-Electric Plan Operation Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 12/31/2005

Source: Department of Energy

Number of Days to Update: 76

Telephone: 202-586-8719

Last EDR Contact :04/18/2013

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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

Date of Government Version: 08/17/2010

Source: Environmental Protection Agency

Number of Days to Update: 77

Telephone: Not Reported

Last EDR Contact :03/15/2013

CONSENT: Superfund (CERCLA) Consent Decrees

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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: 12/31/2011

Source: Department of Justice, Consent Decree Library

Number of Days to Update: 57

Telephone: Varies

Last EDR Contact :04/01/2013

RECORD SOURCES AND CURRENCY

CORRACTS: Corrective Action Report

Standard Environmental Record Source: Federal RCRA CORRACTS facilities list

Search Distance: 0.333 Mile

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/12/2013

Source: EPA

Number of Days to Update: 6

Telephone: 800-424-9346

Last EDR Contact :04/03/2013

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

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

Date of Government Version: 01/12/2009

Source: EPA, Region 9

Number of Days to Update: 137

Telephone: 415-947-4219

Last EDR Contact :04/29/2013

DELISTED NPL: National Priority List Deletions

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 02/01/2013

Source: EPA

Number of Days to Update: 12

Telephone: Not Reported

Last EDR Contact :04/10/2013

DOT OPS: Incident and Accident Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 07/31/2012

Source: Department of Transportation, Office of Pipeline Safety

Number of Days to Update: 42

Telephone: 202-366-4595

Last EDR Contact :02/05/2013

EPA WATCH LIST: EPA WATCH LIST

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 07/31/2012

Source: Environmental Protection Agency

Number of Days to Update: 36

Telephone: 617-520-3000

Last EDR Contact :02/12/2013

RECORD SOURCES AND CURRENCY

ERNS: Emergency Response Notification System

Standard Environmental Record Source: Federal ERNS list

Search Distance: Property

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012

Source: National Response Center, United States Coast Guard

Number of Days to Update: 29

Telephone: 202-267-2180

Last EDR Contact :04/02/2013

FEMA UST: Underground Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010

Source: FEMA

Number of Days to Update: 55

Telephone: 202-646-5797

Last EDR Contact :04/18/2013

FINDS: Facility Index System/Facility Registry System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011

Source: EPA

Number of Days to Update: 79

Telephone: Not Reported

Last EDR Contact :03/12/2013

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

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Number of Days to Update: 25

Telephone: 202-566-1667

Last EDR Contact :02/25/2013

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

Standard Environmental Record Source: Other Standard Environmental Records

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

Date of Government Version: 04/09/2009

Source: EPA

Number of Days to Update: 25

Telephone: 202-566-1667

Last EDR Contact :02/25/2013

RECORD SOURCES AND CURRENCY

FUDS: Formerly Used Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011 Source: U.S. Army Corps of Engineers
Number of Days to Update: 15 Telephone: 202-528-4285
Last EDR Contact :03/11/2013

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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 Source: Environmental Protection Agency
Number of Days to Update: 40 Telephone: 202-564-2501
Last EDR Contact :12/17/2007

HMIRS: Hazardous Materials Information Reporting System

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012 Source: U.S. Department of Transportation
Number of Days to Update: 55 Telephone: 202-366-4555
Last EDR Contact :04/02/2013

ICIS: Integrated Compliance Information System

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 07/20/2011 Source: Environmental Protection Agency
Number of Days to Update: 61 Telephone: 202-564-5088
Last EDR Contact :04/15/2013

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

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

Date of Government Version: 09/28/2012 Source: EPA Region 1
Number of Days to Update: 162 Telephone: 617-918-1313
Last EDR Contact :05/01/2013

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013 Source: EPA Region 10
Number of Days to Update: 65 Telephone: 206-553-2857
Last EDR Contact :04/29/2013

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/06/2013 Source: EPA Region 4
Number of Days to Update: 63 Telephone: 404-562-8677
Last EDR Contact :04/29/2013

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011 Source: EPA Region 6
Number of Days to Update: 59 Telephone: 214-665-6597
Last EDR Contact :04/29/2013

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012 Source: EPA Region 7
Number of Days to Update: 43 Telephone: 913-551-7003
Last EDR Contact :04/29/2013

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012 Source: EPA Region 8
Number of Days to Update: 49 Telephone: 303-312-6271
Last EDR Contact :04/29/2013

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013 Source: Environmental Protection Agency
Number of Days to Update: 42 Telephone: 415-972-3372
Last EDR Contact :04/29/2013

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

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Source: Environmental Protection Agency

RECORD SOURCES AND CURRENCY

Number of Days to Update: 52
Last EDR Contact :02/05/2013

Telephone: 703-308-8245

INDIAN UST R1: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

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: 09/28/2012
Number of Days to Update: 156
Last EDR Contact :04/29/2013

Source: EPA, Region 1
Telephone: 617-918-1313

INDIAN UST R10: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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

Date of Government Version: 02/05/2013
Number of Days to Update: 65
Last EDR Contact :04/29/2013

Source: EPA Region 10
Telephone: 206-553-2857

INDIAN UST R4: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 02/06/2013
Number of Days to Update: 63
Last EDR Contact :04/29/2013

Source: EPA Region 4
Telephone: 404-562-9424

INDIAN UST R5: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 08/02/2012
Number of Days to Update: 94
Last EDR Contact :04/29/2013

Source: EPA Region 5
Telephone: 312-886-6136

INDIAN UST R6: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 05/10/2011
Number of Days to Update: 34
Last EDR Contact :04/29/2013

Source: EPA Region 6
Telephone: 214-665-7591

INDIAN UST R7: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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).

RECORD SOURCES AND CURRENCY

Date of Government Version: 12/31/2012
Number of Days to Update: 43
Last EDR Contact :04/29/2013

Source: EPA Region 7
Telephone: 913-551-7003

INDIAN UST R8: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 08/27/2012
Number of Days to Update: 49
Last EDR Contact :04/29/2013

Source: EPA Region 8
Telephone: 303-312-6137

INDIAN UST R9: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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

Date of Government Version: 02/21/2013
Number of Days to Update: 45
Last EDR Contact :04/29/2013

Source: EPA Region 9
Telephone: 415-972-3368

INDIAN VCP R1: Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites
Search Distance: 0.333 Mile

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Number of Days to Update: 14
Last EDR Contact :04/05/2013

Source: EPA, Region 1
Telephone: 617-918-1102

INDIAN VCP R7: Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Number of Days to Update: 27
Last EDR Contact :04/20/2009

Source: EPA, Region 7
Telephone: 913-551-7365

LIENS 2: CERCLA Lien Information

Standard Environmental Record Source: Federal CERCLIS
Search Distance: Property

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

Date of Government Version: 02/16/2012
Number of Days to Update: 80
Last EDR Contact :04/29/2013

Source: Environmental Protection Agency
Telephone: 202-564-6023

LUCIS: Land Use Control Information System

Standard Environmental Record Source: Federal institutional controls / engineering controls registries
Standard Environmental Record Source: Other Standard Environmental Records

RECORD SOURCES AND CURRENCY

Search Distance: 0.333 Mile

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

Date of Government Version: 12/09/2005

Source: Department of the Navy

Number of Days to Update: 31

Telephone: 843-820-7326

Last EDR Contact :02/18/2013

MLTS: Material Licensing Tracking System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 06/21/2011

Source: Nuclear Regulatory Commission

Number of Days to Update: 60

Telephone: 301-415-7169

Last EDR Contact :03/11/2013

NPL: National Priority List

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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: 02/01/2013

Source: EPA

Number of Days to Update: 12

Telephone: Not Reported

Last EDR Contact :04/10/2013

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-566-0690

EPA Region 1
Telephone: 617-918-1102

EPA Region 2
Telephone: 212-637-4293

EPA Region 3
Telephone: 215-814-5418

EPA Region 4
Telephone: 404-562-8681

EPA Region 5
Telephone: 312-353-1063

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6118

RECORD SOURCES AND CURRENCY

EPA Region 9
Telephone: 415-947-4579

EPA Region 10
Telephone: 206-553-4479

NPL LIENS: Federal Superfund Liens

Standard Environmental Record Source: Federal NPL

Search Distance: Property

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

Date of Government Version: 10/15/1991

Source: EPA

Number of Days to Update: 56

Telephone: 202-564-4267

Last EDR Contact :08/15/2011

ODI: Open Dump Inventory

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985

Source: Environmental Protection Agency

Number of Days to Update: 39

Telephone: 800-424-9346

Last EDR Contact :06/09/2004

PADS: PCB Activity Database System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 11/01/2010

Source: EPA

Number of Days to Update: 98

Telephone: 202-566-0500

Last EDR Contact :04/19/2013

PCB TRANSFORMER: PCB Transformer Registration Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 02/01/2011

Source: Environmental Protection Agency

Number of Days to Update: 83

Telephone: 202-566-0517

Last EDR Contact :02/01/2013

Proposed NPL: Proposed National Priority List Sites

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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 their requirements for listing.

Date of Government Version: 02/01/2013

Source: EPA

RECORD SOURCES AND CURRENCY

Number of Days to Update: 12
Last EDR Contact :04/10/2013

Telephone: Not Reported

RAATS: RCRA Administrative Action Tracking System

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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
Number of Days to Update: 35
Last EDR Contact :06/02/2008

Source: EPA
Telephone: 202-564-4104

RADINFO: Radiation Information Database

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 01/08/2013
Number of Days to Update: 93
Last EDR Contact :04/11/2013

Source: Environmental Protection Agency
Telephone: 202-343-9775

RCRA NonGen / NLR: RCRA - Non Generators

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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

Date of Government Version: 02/12/2013
Number of Days to Update: 12
Last EDR Contact :04/03/2013

Source: Environmental Protection Agency
Telephone: 703-308-8895

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list
Search Distance: Property

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

Date of Government Version: 02/12/2013
Number of Days to Update: 12
Last EDR Contact :04/03/2013

Source: Environmental Protection Agency
Telephone: 703-308-8895

RCRA-LQG: RCRA - Large Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list
Search Distance: Property

RECORD SOURCES AND CURRENCY

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013

Source: Environmental Protection Agency

Number of Days to Update: 12

Telephone: 703-308-8895

Last EDR Contact :04/03/2013

RCRA-SQG: RCRA - Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/12/2013

Source: Environmental Protection Agency

Number of Days to Update: 12

Telephone: 703-308-8895

Last EDR Contact :04/03/2013

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

Standard Environmental Record Source: Federal RCRA TSD facilities list

Search Distance: 0.333 Mile

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/12/2013

Source: Environmental Protection Agency

Number of Days to Update: 12

Telephone: 703-308-8895

Last EDR Contact :04/03/2013

ROD: Records Of Decision

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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

Date of Government Version: 12/18/2012

Source: EPA

Number of Days to Update: 30

Telephone: 703-416-0223

Last EDR Contact :03/13/2013

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 03/07/2011

Source: Environmental Protection Agency

RECORD SOURCES AND CURRENCY

Number of Days to Update: 54
Last EDR Contact :04/23/2013

Telephone: 615-532-8599

SSTS: Section 7 Tracking Systems

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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
Number of Days to Update: 77
Last EDR Contact :04/29/2013

Source: EPA
Telephone: 202-564-4203

TRIS: Toxic Chemical Release Inventory System

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 12/31/2009
Number of Days to Update: 131
Last EDR Contact :02/26/2013

Source: EPA
Telephone: 202-566-0250

TSCA: Toxic Substances Control Act

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Number of Days to Update: 64
Last EDR Contact :03/28/2013

Source: EPA
Telephone: 202-260-5521

UMTRA: Uranium Mill Tailings Sites

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

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: 09/14/2010
Number of Days to Update: 146
Last EDR Contact :02/25/2013

Source: Department of Energy
Telephone: 505-845-0011

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

RECORD SOURCES AND CURRENCY

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: 11/15/2012

Source: EPA

Number of Days to Update: 91

Telephone: 202-564-5962

Last EDR Contact :04/01/2013

US AIRS MINOR: Air Facility System Data

Standard Environmental Record Source: Other Standard Environmental Records

A listing of minor source facilities.

Date of Government Version: 11/15/2012

Source: EPA

Number of Days to Update: 91

Telephone: 202-564-5962

Last EDR Contact :04/01/2013

US BROWNFIELDS: A Listing of Brownfields Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 12/10/2012

Source: Environmental Protection Agency

Number of Days to Update: 9

Telephone: 202-566-2777

Last EDR Contact :03/26/2013

US CDL: Clandestine Drug Labs

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 11/14/2012

Source: Drug Enforcement Administration

Number of Days to Update: 66

Telephone: 202-307-1000

Last EDR Contact :03/04/2013

US ENG CONTROLS: Engineering Controls Sites List

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

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

Date of Government Version: 12/19/2012

Source: Environmental Protection Agency

Number of Days to Update: 63

Telephone: 703-603-0695

RECORD SOURCES AND CURRENCY

Last EDR Contact :03/11/2013

US FIN ASSUR: Financial Assurance Information

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 11/20/2012

Source: Environmental Protection Agency

Number of Days to Update: 89

Telephone: 202-566-1917

Last EDR Contact :02/19/2013

US HIST CDL: National Clandestine Laboratory Register

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 09/01/2007

Source: Drug Enforcement Administration

Number of Days to Update: 131

Telephone: 202-307-1000

Last EDR Contact :03/23/2009

US INST CONTROL: Sites with Institutional Controls

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/19/2012

Source: Environmental Protection Agency

Number of Days to Update: 63

Telephone: 703-603-0695

Last EDR Contact :03/11/2013

US MINES: Mines Master Index File

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011

Source: Department of Labor, Mine Safety and Health Administration

Number of Days to Update: 21

Telephone: 303-231-5959

Last EDR Contact :03/06/2013

DOD: Department of Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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

Source: USGS

RECORD SOURCES AND CURRENCY

Number of Days to Update: 62
Last EDR Contact :04/19/2013

Telephone: 888-275-8747

INDIAN RESERV: Indian Reservations

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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

Date of Government Version: 12/31/2005
Number of Days to Update: 34
Last EDR Contact :04/19/2013

Source: USGS
Telephone: 202-208-3710

PWS: Public Water System Data

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 04/12/2007
Number of Days to Update: N/A
Last EDR Contact :03/11/2013

Source: EPA
Telephone: Not Reported

RECORD SOURCES AND CURRENCY

HISTORICAL USE RECORDS

EDR MGP: EDR Proprietary Manufactured Gas Plants

Standard Environmental Record Source: Former manufactured Gas Plants

Search Distance: 0.333 Mile

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: 08/28/2009

Source: EDR, Inc.

Number of Days to Update: 55

Telephone: Not Reported

Last EDR Contact :11/30/2012

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

Standard Environmental Record Source: Historical Gas Stations

Search Distance: 0.25 Mile

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: 02/20/2007

Source: EDR, Inc.

Number of Days to Update: 42

Telephone: Not Reported

Last EDR Contact :02/21/2007

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

Standard Environmental Record Source: Historical Dry Cleaners

Search Distance: 0.25 Mile

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: 02/20/2007

Source: EDR, Inc.

Number of Days to Update: 42

Telephone: Not Reported

Last EDR Contact :02/21/2007

RECORD SOURCES AND CURRENCY

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.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[®] 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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services. The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

STREET AND ADDRESS INFORMATION

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Statutory Checklist Subject to §58.5

PROJECT NAME: S. Maple Meadows
DESCRIPTION: Rental Rehab
LOCATION: 800 S. Maple Road, Ann Arbor, MI 48103

Status "A" – Activity does not require formal consultation with an outside agency and does not affect the resource in question.

Status "B" – Activity triggers formal compliance consultation with the oversight agency and/or affects the resource in question.

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Status	Compliance Documentation
Historic Preservation [36 CFR Part 800]	A	The Subject Property is less than 50 years old therefore not subject to Historic Preservation requirements.
Floodplain Management [24 CFR Part 55; Executive Order 11988]	A	According to the attached Environmental Data Resources Inc. (EDR) NEPA Report, the Subject Property is not located in a 100 year or 500 year FEMA flood plain.
Wetland Protection [Executive Order 11990]	A	According to the attached EDR NEPA Report, the Subject Property is not listed in the National Wetlands Inventory.
Coastal Zone Management Act [16 U.S.C. 1451, §§ 307(c), (d)]	A	According to the attached Michigan Department of Environmental Quality (MDEQ) Coastal Zone Management Map list, Washtenaw County has no Coastal Zone Management Areas.



**TECHNICAL SKILL.
CREATIVE SPIRIT.**

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Status	Compliance Documentation
Sole Source Aquifers [40 CFR Part 149]	A	According to the attached Designated Sole Source Aquifers In EPA Region 5 Map, the Subject Property is not located within a sole source aquifer.
Endangered Species Act [50 CFR Part 402]	A	According to the attached EDR NEPA Report, the US Fish and Wildlife Service does not list any threatened or endangered species in the area of the Subject Property.
Wild and Scenic Rivers Act [16 U.S.C. 1271, §§ 7(b), (c)]	A	According to the attached Michigan Department of Natural Resources map of wild and scenic rivers, no federal or state wild and scenic rivers are located in the area of the Subject Property.
Clean Air Act [40 CFR Parts 6, 51, 93]	A	According to the attached MDEQ air quality attainment map, the Detroit Metropolitan Area is a nonattainment area for fine particulates. However, all Michigan counties are in compliance with current PM2.5 Standards.
Farmland Protection Policy Act [7 CFR Part 658]	A	The Subject Property is developed, urban land and is therefore not subject to the Farmland Protection Policy Act.
Environmental Justice [Executive Order 12898]	A	The project will have no adverse health or environmental effects to impact populations of the city.
Noise Abatement and Control [24 CFR Part 51, Subpart B]	B	There are no railroads within 3,000 feet of the Subject Property. However, two civilian airfields are within 15 miles and the Subject Property is within 1,000 feet of a busy roadway. If rehab of these units is planned, a determination will be made as to whether or not noise attenuation is required to mitigate high noise levels.
Explosive and Flammable Operations [24 CFR Part 51, Subpart C]	A	According to the attached EDR Environmental Database Report, the Subject Property is not located within the immediate vicinity of hazardous industrial operations handling fuel or chemicals of an explosive or flammable nature.

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Status	Compliance Documentation
Toxic Chemicals and Radioactive Materials [24CFR Part 58, § 5(i)(2)]	A	According to the attached EDR Environmental Database Report and Historic Sanborn Fire Insurance Maps, the Subject Property is not listed on an EPA or CERCLA list; is not located near listed toxic or solid waste landfill sites; does not have an underground storage tank and is not known or suspected to be contaminated by toxic chemicals or radioactive materials.

Airport Clear Zones and Accident Potential Zones [24 CFR Part 51, Subpart D]	A	The closest airport is approximately 3.5 miles from the Subject Property and beyond the airport clear zone and accident potential zone.
--	---	---

DETERMINATION:

- This project converts to Exempt, per § 58.34(a)(12), because it does not require any mitigation for compliance with any listed statutes or authorities, nor requires any formal permit or license (Status "A" has been determined in the status column for all authorities). Funds may be drawn down for this (now) EXEMPT project; OR
- This project cannot convert to Exempt because one or more statutes/authorities require consultation or mitigation. Complete consultation/mitigation requirements, publish NOI/RROF and obtain Authority to Use Grant Funds (HUD 7015.16) per §§ 58.70 and 58.71 before drawing down funds; OR
- The unusual circumstances of this project may result in a significant environmental impact. This project requires preparation of an Environmental Assessment (EA). Prepare the EA according to 24 CFR Part 58 Subpart E.

PREPARER SIGNATURE:



DATE:

May 9, 2013

EDR NEPA CHECK REPORT

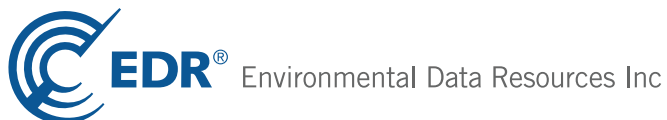


S. Maple Meadows

800 S. Maple Road
Ann Arbor, MI 48103

Inquiry Number: 3590285.1s
April 29, 2013

EDR NEPACheck®



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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
EDR NEPACheck® Description.....	1
Map Findings Summary.....	2
Natural Areas.....	3
Historic Sites.....	5
Flood Plain.....	25
Wetlands.....	27
Wetlands Classification System.....	31
FCC & FAA Sites.....	35
Key Contacts and Government Records Searched.....	45

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

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EDR NEPACheck® DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

Section	Regulation
Natural Areas Map	
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)	47 CFR 1.1307(3); 40 CFR 6.302
Historic Sites Map	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
• State Historic Places (where available)	
• Indian Reservations	
Flood Plain Map	
• National Flood Plain Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
FCC & FAA Map	
• FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient	47 CFR 1.1307(8)
Key Contacts and Government Records Searched	

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 45 of this report.

TARGET PROPERTY ADDRESS

S. MAPLE MEADOWS
800 S. MAPLE ROAD
ANN ARBOR, MI 48103

Inquiry #: 3590285.1s
Date: 4/29/13

TARGET PROPERTY COORDINATES

Latitude (North): 42.271599 - 42° 16' 17.8"
Longitude (West): 83.780800 - 83° 46' 50.9"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 270667.6
UTM Y (Meters): 4683463.5

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
<u>NATURAL AREAS MAP</u>				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	MI Park Facilities	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	County Endangered Species	County	YES	N/A
<u>HISTORIC SITES MAP</u>				
1.1307a (4) Listed or eligible for National Register	National Register of Hist. Pla	1.00	YES	NO
1.1307a (4) Listed or eligible for National Register	MI Historic Sites	1.00	NO	NO
	Indian Reservation	1.00	NO	NO
<u>FLOODPLAIN MAP</u>				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	NO	NO
<u>WETLANDS MAP</u>				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	YES
<u>FCC & FAA SITES MAP</u>				
	Cellular	1.00	NO	NO
	4G Cellular	1.00	NO	NO
	Antenna Structure Registration	1.00	YES	NO
	Towers	1.00	YES	NO
	AM Antenna	1.00	NO	NO
	FM Antenna	1.00	NO	NO
	FAA DOF	1.00	YES	NO
	Airports	1.00	NO	---
	Power Lines	1.00	NO	---

Natural Areas Map



- | | |
|---|---|
|  Target Property |  Locations |
|  Roads |  Federal Areas |
|  County Boundary |  Federal Linear Features |
|  Waterways |  State Areas |
|  Water |  State Linear Features |

SITE NAME: S. Maple Meadows
ADDRESS: 800 S. Maple Road
 Ann Arbor MI 48103
LAT/LONG: 42.2716 / 83.7808

CLIENT: The Mannik & Smith Group
CONTACT: Michelle Henn
INQUIRY #: 3590285.1s
DATE: April 29, 2013

NATURAL AREAS MAP FINDINGS

Endangered Species Listed for: WASHTENAW County, MI.

Source: EPA Endangered Species Protection Program Database

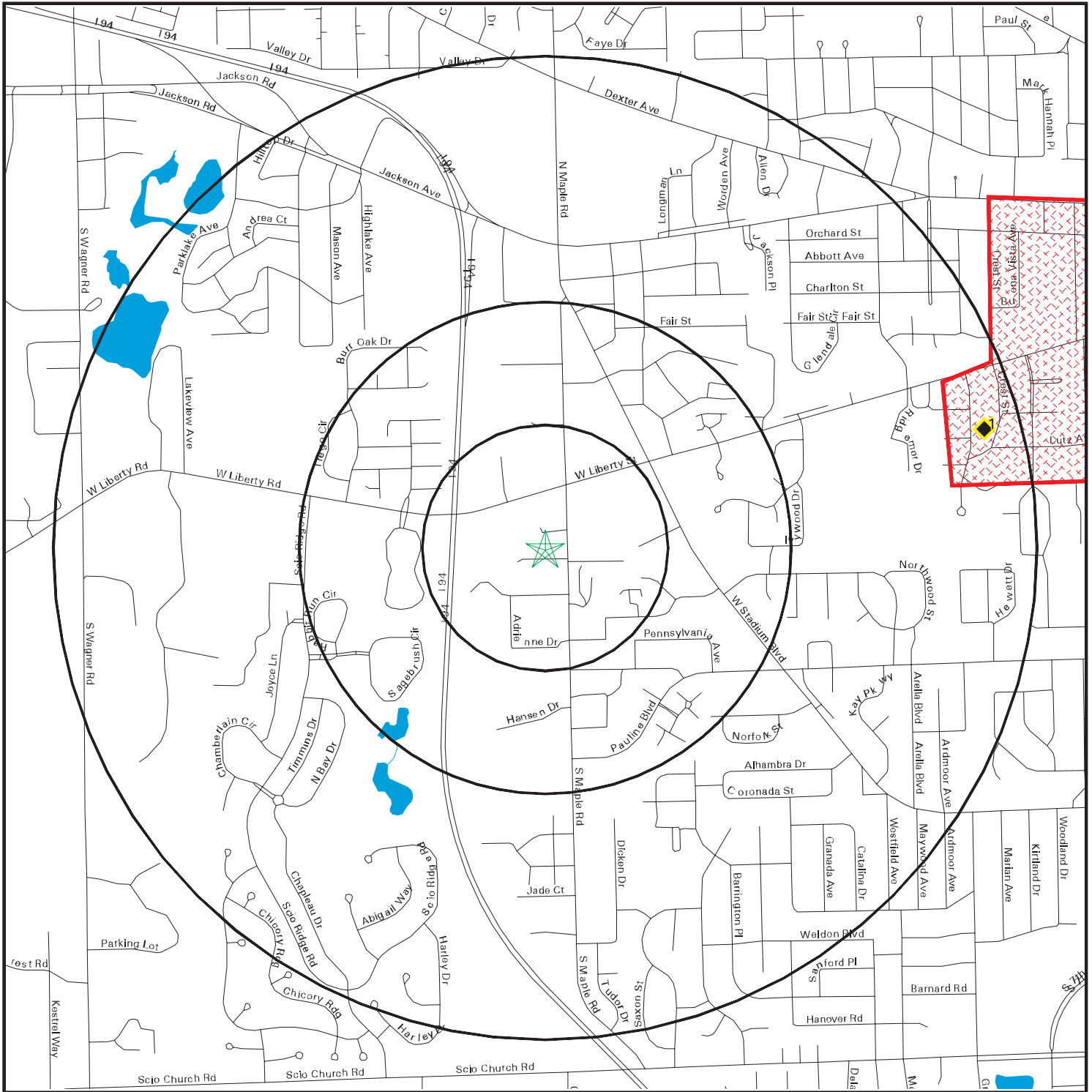
PLANT: ORCHID, EASTERN PRAIRIE FRINGED

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

No mapped sites were found in EDR's search of available government records within the search radius around the target property.

Historic Sites Map



- ★ Target Property
- ◆ Historic Sites
- Streets
- Federal Historic Areas
- County Boundary
- State Historic Areas
- Waterways
- US Indian Reservations
- Water
- Scenic Trail



SITE NAME: S. Maple Meadows
 ADDRESS: 800 S. Maple Road
 Ann Arbor MI 48103
 LAT/LONG: 42.2716 / 83.7808

CLIENT: The Mannik & Smith Group
 CONTACT: Michelle Henn
 INQUIRY #: 3590285.1s
 DATE: April 29, 2013

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

1
East
1/2-1 mi
4419

72000661
National Register of Hist. Places

Resname:
Address:

Old West Side Historic District
Bounded roughly by 7th, Main, and Huron Sts., Pauline Blvd., and Crest
Ave.

City:
Vicinity:
County:
State:
Certdate:
Multname:
Acre:

Ann Arbor
Not Reported
Washtenaw
MICHIGAN
19720414
Not Reported
250.0+

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Unmappable
MI2005NRHP00934
MI Historic Sites

Street num: 1127
 Street dir: E
 Street: Ann Street
 City: Ann Arbor
 Township: Not Reported
 Locname: Anderson, William, House
 Std add: 1127 EAnn Street
 Zip code: 48104
 Site key: 20994
 Name: Not Reported
 Resource t: building
 Std error: 1
 Std zip: 48104
 Std city: Ann Arbor
 Std er det: 1.1,14.1
 Add leftov: Not Reported
 Bound add: 3258
 Bound key: 3289
 Propertyty: frame house
 Stadd: Y
 Av add: 1127 EANN STREET
 Av zone: 48104
 Av status: C
 Av score: 0
 Av side: Not Reported
 Priname: Not Reported
 Priority: 2
 Listid: Not Reported
 Nameid: 3262
 Primary: Yes
 Geogtype: point
 Proptypeid: 1966
 Nomatch: Not Reported
 Comments: Not Reported
 G: erin
 Moreinfo: Not Reported
 Doc: Not Reported
 District: Not Reported
 Site id 33: P3856
 File: nhl-nrhp
 Edr id: MI2005NRHP00934

Unmappable
MI2005NRHP00591
MI Historic Sites

Street num: Not Reported
 Street dir: Not Reported
 Street: Corner of 5th Avenue and Huron Street

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

City:	Ann Arbor
Township:	Not Reported
Locname:	Ann Arbor Central Fire Station
Std add:	Corner of 5th Avenue and Huron Street
Zip code:	48104
Site key:	14415
Name:	Not Reported
Resource t:	Not Reported
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	2532
Bound key:	2563
Propertyty:	fire station
Stadd:	N
Av add:	CORNER OF 5TH AVENUE AND HURON STREET
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	2570
Primary:	Yes
Geogtype:	point
Proptypeid:	1420
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P24899
File:	nhl-nrhp
Edr id:	MI2005NRHP00591

Unmappable
MI2005NONMAK256
MI Historic Sites

Street num:	Not Reported
Street dir:	Not Reported
Street:	155 Washtenaw Avenue
City:	Ann Arbor
Township:	Not Reported
Zip code:	Not Reported
Site key:	14440
Name:	Not Reported
Resource t:	Not Reported
Std add:	155 Washtenaw Avenue

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Std city:	Ann Arbor
Std zip:	Not Reported
Std error:	1
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	2536
Bound key:	2567
Stadd:	Y
Av add:	155 WASHTENAW AVENUE
Av zone:	0
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	4
Listid:	Not Reported
Nameid:	2574
Primary:	Yes
Geogtype:	point
Proptypeid:	361.00000
Propertyty:	brick house
Nomatch:	Not Reported
Comments:	Not Reported
G:	adam
Locname:	Campbell, Edward DeMille, House
Moreinfo:	Not Reported
File:	srhs-non markers
Edr id:	MI2005NONMAK256

Unmappable
MI2005NRHP00928
MI Historic Sites

Street num:	1308
Street dir:	E
Street:	Ann Street
City:	Ann Arbor
Township:	Not Reported
Locname:	Detroit Observatory-University of Michigan
Std add:	1308 EAnn Street
Zip code:	48109
Site key:	20384
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48109
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3250
Bound key:	3281
Propertyty:	observatory
Stadd:	Y

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Av add:	1308 EANN STREET
Av zone:	48109
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3253
Primary:	Yes
Geogtype:	point
Proptypeid:	2438
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3775
File:	nhl-nrhp
Edr id:	MI2005NRHP00928

Unmappable
MI2005NRHP00932
MI Historic Sites

Street num:	415
Street dir:	N
Street:	Main
City:	Ann Arbor
Township:	Not Reported
Locname:	Earl, Thomas, House
Std add:	415 NMain
Zip code:	48104
Site key:	20878
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3256
Bound key:	3287
Propertyty:	brick house
Stadd:	Y
Av add:	415 NMAIN
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Listid:	Not Reported
Nameid:	3260
Primary:	Yes
Geogtype:	point
Proptypeid:	417
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3838
File:	nhl-nrhp
Edr id:	MI2005NRHP00932

Unmappable
MI2005NRHP00933
MI Historic Sites

Street num:	201-205
Street dir:	S
Street:	Main Street
City:	Ann Arbor
Township:	Not Reported
Locname:	First National Bank Building
Std add:	201-205 SMain Street
Zip code:	48104
Site key:	20917
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3257
Bound key:	3288
Propertyty:	office building
Stadd:	Y
Av add:	201-205 SMAIN STREET
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3261
Primary:	Yes
Geogtype:	point
Proptypeid:	2454
Nomatch:	Not Reported
Comments:	Not Reported

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

G: erin
 Moreinfo: Not Reported
 Doc: Not Reported
 District: Not Reported
 Site id 33: P3844
 File: nhl-nrhp
 Edr id: MI2005NRHP00933

Unmappable
 MI2005NRHP00998
 MI Historic Sites

Street num: 207-211
 Street dir: S
 Street: Ashley
 City: Ann Arbor
 Township: Not Reported
 Locname: Germania Building Complex
 Std add: 207-211 SASHLEY
 Zip code: 48104
 Site key: 21184
 Name: Not Reported
 Resource t: building
 Std error: 1
 Std zip: 48104
 Std city: Ann Arbor
 Std er det: 1.1,14.1
 Add leftov: Not Reported
 Bound add: 38459
 Bound key: 3294
 Propertyty: brick building
 Stadd: Y
 Av add: 207-211 SASHLEY
 Av zone: 48104
 Av status: C
 Av score: 0
 Av side: Not Reported
 Priname: Not Reported
 Priority: 2
 Listid: Not Reported
 Nameid: 3267
 Primary: Yes
 Geogtype: point
 Proptypeid: 177
 Nomatch: Not Reported
 Comments: Not Reported
 G: erin
 Moreinfo: Not Reported
 Doc: Not Reported
 District: Not Reported
 Site id 33: P3884
 File: nhl-nrhp
 Edr id: MI2005NRHP00998

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Unmappable
MI2005NRHP00938
MI Historic Sites

Street num: 119-123
 Street dir: W
 Street: Washington
 City: Ann Arbor
 Township: Not Reported
 Locname: Germania Building Complex
 Std add: 119-123 WWashington
 Zip code: 48104
 Site key: 21184
 Name: Not Reported
 Resource t: building
 Std error: 1
 Std zip: 48104
 Std city: Ann Arbor
 Std er det: 1.1,14.1
 Add leftov: Not Reported
 Bound add: 3263
 Bound key: 3294
 Propertyty: brick building
 Stadd: Y
 Av add: 119-123 WWASHINGTON
 Av zone: 48104
 Av status: C
 Av score: 0
 Av side: Not Reported
 Priname: Not Reported
 Priority: 2
 Listid: Not Reported
 Nameid: 3267
 Primary: Yes
 Geogtype: point
 Proptypeid: 177
 Nomatch: Not Reported
 Comments: Not Reported
 G: erin
 Moreinfo: Not Reported
 Doc: Not Reported
 District: Not Reported
 Site id 33: P3884
 File: nhl-nrhp
 Edr id: MI2005NRHP00938

Unmappable
MI2005NRHP00936
MI Historic Sites

Street num: 322
 Street dir: E
 Street: Washington Street

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

City:	Ann Arbor
Township:	Not Reported
Locname:	Hoffstetter, Jacob, House
Std add:	322 EWashington Street
Zip code:	48104
Site key:	21147
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3261
Bound key:	3292
Propertyty:	brick house
Stadd:	Y
Av add:	322 EWASHINGTON STREET
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3265
Primary:	Yes
Geogtype:	point
Proptypeid:	418
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3878
File:	nhl-nrhp
Edr id:	MI2005NRHP00936

Unmappable
MI2005NRHP01126
MI Historic Sites

Street num:	500
Street dir:	N
Street:	Main Street
City:	Ann Arbor
Township:	Not Reported
Locname:	Kellogg-Warden House
Std add:	500 NMain Street
Zip code:	48104
Site key:	17130
Name:	Not Reported

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1
Add leftov:	Not Reported
Bound add:	2998
Bound key:	3029
Propertyty:	frame house
Stadd:	Y
Av add:	500 NMAIN STREET
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3036
Primary:	Yes
Geogtype:	point
Proptypeid:	1933
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3253
File:	nhl-nrhp
Edr id:	MI2005NRHP01126

Unmappable
MI2005NRHP00931
MI Historic Sites

Street num:	220
Street dir:	N
Street:	Main Street
City:	Ann Arbor
Township:	Not Reported
Locname:	Main Street Post Office
Std add:	220 NMain Street
Zip code:	48104
Site key:	20863
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3255

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Bound key: 3286
 Propertyty: post office
 Stadd: Y
 Av add: 220 NMAIN STREET
 Av zone: 48104
 Av status: C
 Av score: 0
 Av side: Not Reported
 Priname: Not Reported
 Priority: 2
 Listid: Not Reported
 Nameid: 3259
 Primary: Yes
 Geogtype: point
 Proptypeid: 2517
 Nomatch: Not Reported
 Comments: Not Reported
 G: erin
 Moreinfo: Not Reported
 Doc: Not Reported
 District: Not Reported
 Site id 33: P3836
 File: nhl-nrhp
 Edr id: MI2005NRHP00931

Unmappable
MI2005NRHP00937
MI Historic Sites

Street num: 332-334
 Street dir: E
 Street: Michigan
 City: Ann Arbor
 Township: Not Reported
 Locname: Methodist Episcopal Church Parsonage
 Std add: 332-334 EMichigan
 Zip code: Not Reported
 Site key: 21165
 Name: Not Reported
 Resource t: building
 Std error: 1
 Std zip: 0
 Std city: Ann Arbor
 Std er det: 1.1,14.1
 Add leftov: Not Reported
 Bound add: 3262
 Bound key: 3293
 Propertyty: frame house
 Stadd: Y
 Av add: 332-334 EMICHIGAN
 Av zone: 0
 Av status: X
 Av score: 0

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3266
Primary:	Yes
Geogtype:	point
Proptypeid:	1968
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3881
File:	nhl-nrhp
Edr id:	MI2005NRHP00937

Unmappable
MI2005NRHP00929
MI Historic Sites

Street num:	530
Street dir:	N
Street:	Fifth Avenue
City:	Ann Arbor
Township:	Not Reported
Locname:	Michigan Central Railroad Depot
Std add:	530 NFifth Avenue
Zip code:	48104
Site key:	20537
Name:	Not Reported
Resource t:	building
Std error:	1
Std zip:	48104
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3252
Bound key:	3283
Propertyty:	railroad depot
Stadd:	Y
Av add:	530 NFIFTH AVENUE
Av zone:	48104
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3254
Primary:	Yes
Geogtype:	point

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Proptypeid:	2586
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3795
File:	nhl-nrhp
Edr id:	MI2005NRHP00929

Unmappable
MI2005NRHP00630
MI Historic Sites

Street num:	Not Reported
Street dir:	Not Reported
Street:	Bounded by W. Huron, W. Washington, W. Liberty and South Main
City:	Ann Arbor
Township:	Not Reported
Locname:	Old West Side Historic District
Std add:	Bounded by W. Huron, W. Washington, W. Liberty and South Main
Zip code:	Not Reported
Site key:	20360
Name:	Not Reported
Resource t:	district
Std error:	1
Std zip:	0
Std city:	Ann Arbor
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	3418
Bound key:	3449
Propertyty:	district
Stadd:	N
Av add:	Bounded by W. Huron, W. Washington, W. Liberty and South Main
Av zone:	0
Av status:	X
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	2632
Primary:	Yes
Geogtype:	area
Proptypeid:	1318
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Site id 33: P4275
File: nhl-nrhp
Edr id: MI2005NRHP00630

Unmappable
72000661
National Register of Hist. Places

Resname: Old West Side Historic District
Address: Bounded roughly by 7th, Main, and Huron Sts., Pauline Blvd., and Crest Ave.
City: Ann Arbor
Vicinity: Not Reported
County: Washtenaw
State: MICHIGAN
Certdate: 19720414
Multname: Not Reported
Acre: 250.0+

Unmappable
MI2005NRHP00593
MI Historic Sites

Street num: Not Reported
Street dir: Not Reported
Street: East of Ann Arbor at Geddes and Dixboro roads
City: Ann Arbor vicinity
Township: Ann Arbor
Locname: Parker Mill Complex
Std add: East of Ann Arbor at Geddes and Dixboro roads
Zip code: Not Reported
Site key: 14871
Name: Not Reported
Resource t: structure
Std error: 1
Std zip: 0
Std city: Ann Arbor vicinity
Std er det: 1.1,14.1
Add leftov: Not Reported
Bound add: 2595
Bound key: 2626
Propertyty: mill complex
Stadd: N
Av add: EAST OF ANN ARBOR AT GEDDES AND DIXBORO ROADS
Av zone: 0
Av status: C
Av score: 0
Av side: Not Reported
Priname: Not Reported
Priority: 2
Listid: Not Reported

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Nameid: 2645
 Primary: Yes
 Geogtype: line
 Proptypeid: 2402
 Nomatch: Not Reported
 Comments: Not Reported
 G: erin
 Moreinfo: Not Reported
 Doc: Not Reported
 District: Not Reported
 Site id 33: P24964
 File: nhl-nrhp
 Edr id: MI2005NRHP00593

Unmappable
82002888
National Register of Hist. Places

Resname: Parker Mill Complex
 Address: E of Ann Arbor at Geddes and Dixboro Rds.
 City: Ann Arbor
 Vicinity: X
 County: Washtenaw
 State: MICHIGAN
 Certdate: 19820804
 Multname: Not Reported
 Acre: 11.0+

Unmappable
MI2005NRHP00783
MI Historic Sites

Street num: Not Reported
 Street dir: Not Reported
 Street: 815 South University (University of Michigan campus)
 City: Ann Arbor
 Township: Not Reported
 Locname: President's House, University of Michigan
 Std add: 815 South University (University of Michigan campus)
 Zip code: 48109
 Site key: 14502
 Name: Not Reported
 Resource t: building
 Std error: 1
 Std zip: 48109
 Std city: Ann Arbor
 Std er det: 1.1,14.1
 Add leftov: Not Reported
 Bound add: 2549
 Bound key: 2580
 Propertyty: brick house

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Stadd:	Y
Av add:	815 SOUTH UNIVERSITY (UNIVERSITY OF MICHIGAN CAMPUS)
Av zone:	48109
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	2587
Primary:	Yes
Geogtype:	point
Proptypeid:	362
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P24917
File:	nhl-nrhp
Edr id:	MI2005NRHP00783

Unmappable
MI2005NRHP00594
MI Historic Sites

Street num:	Not Reported
Street dir:	Not Reported
Street:	Northfield Church and Whitmore Lake roads
City:	Ann Arbor vicinity
Township:	Northfield
Locname:	Saint Patrick's Parish Complex
Std add:	Northfield Church and Whitmore Lake roads
Zip code:	48105
Site key:	14960
Name:	Not Reported
Resource t:	Not Reported
Std error:	1
Std zip:	48105
Std city:	Ann Arbor vicinity
Std er det:	1.1,14.1
Add leftov:	Not Reported
Bound add:	2603
Bound key:	2634
Propertyty:	religious complex
Stadd:	N
Av add:	NORTHFIELD CHURCH AND WHITMORE LAKE ROADS
Av zone:	48105
Av status:	C
Av score:	0
Av side:	Not Reported
Priname:	Not Reported

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Priority: 2
 Listid: Not Reported
 Nameid: 2653
 Primary: Yes
 Geogtype: point
 Proptypeid: 2602
 Nomatch: Not Reported
 Comments: Not Reported
 G: erin
 Moreinfo: Not Reported
 Doc: Not Reported
 District: Not Reported
 Site id 33: P24974
 File: nhl-nrhp
 Edr id: MI2005NRHP00594

Unmappable
 MI2005NRHP00592
 MI Historic Sites

Street num: Not Reported
 Street dir: Not Reported
 Street: University of Michigan campus
 City: Ann Arbor
 Township: Not Reported
 Locname: University of Michigan Central Campus Historic District
 Std add: University of Michigan campus
 Zip code: Not Reported
 Site key: 14521
 Name: Not Reported
 Resource t: district
 Std error: 1
 Std zip: 0
 Std city: Ann Arbor
 Std er det: 1.1,14.1
 Add leftov: Not Reported
 Bound add: 2552
 Bound key: 2583
 Propertyty: district
 Stadd: N
 Av add: UNIVERSITY OF MICHIGAN CAMPUS
 Av zone: 0
 Av status: X
 Av score: 0
 Av side: Not Reported
 Priname: Not Reported
 Priority: 2
 Listid: Not Reported
 Nameid: 2590
 Primary: Yes
 Geogtype: area
 Proptypeid: 1301
 Nomatch: Not Reported

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Comments: Not Reported
 G: erin
 Moreinfo: Not Reported
 Doc: Not Reported
 District: Not Reported
 Site id 33: P24920
 File: nhl-nrhp
 Edr id: MI2005NRHP00592

Unmappable
78001514
National Register of Hist. Places

Resname: University Of Michigan Central Campus Historic District
 Address: University of Michigan campus
 City: Ann Arbor
 Vicinity: Not Reported
 County: Washtenaw
 State: MICHIGAN
 Certdate: 19780615
 Multname: Not Reported
 Acre: 85.0+

Unmappable
MI2005NRHP00935
MI Historic Sites

Street num: 219-223
 Street dir: E
 Street: Washington
 City: Ann Arbor
 Township: Not Reported
 Locname: Weinmann Block
 Std add: 219-223 EWashington
 Zip code: 48104
 Site key: 21141
 Name: Not Reported
 Resource t: building
 Std error: 1
 Std zip: 48104
 Std city: Ann Arbor
 Std er det: 1.1,14.1
 Add leftov: Not Reported
 Bound add: 3260
 Bound key: 3291
 Propertyty: brick building
 Stadd: Y
 Av add: 219-223 EWASHINGTON
 Av zone: 48104
 Av status: C
 Av score: 0

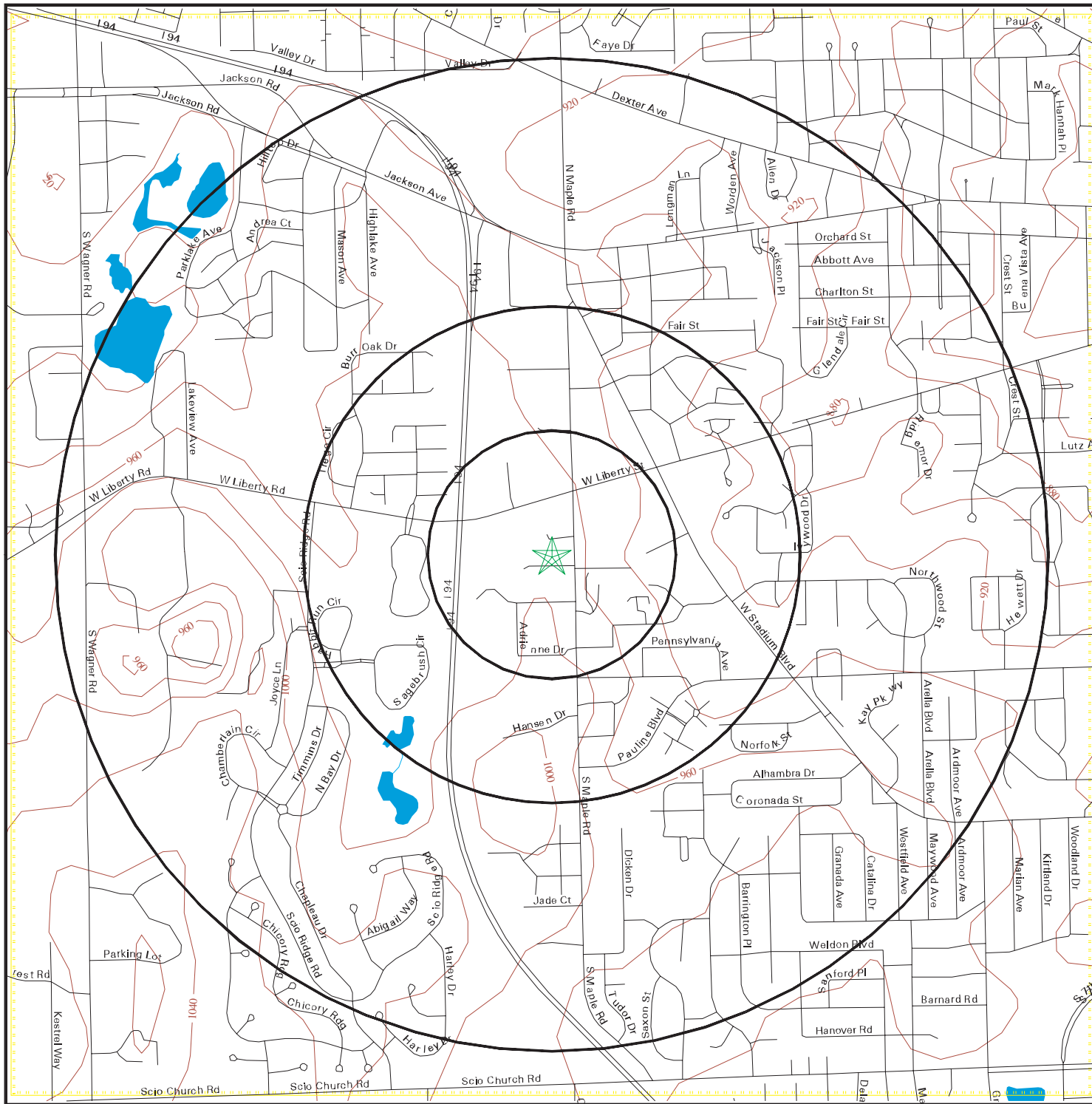
UNMAPPABLE HISTORIC SITES













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

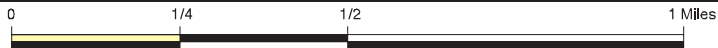
Status
EDR ID
Database

Av side:	Not Reported
Priname:	Not Reported
Priority:	2
Listid:	Not Reported
Nameid:	3264
Primary:	Yes
Geogtype:	point
Proptypeid:	176
Nomatch:	Not Reported
Comments:	Not Reported
G:	erin
Moreinfo:	Not Reported
Doc:	Not Reported
District:	Not Reported
Site id 33:	P3877
File:	nhl-nrhp
Edr id:	MI2005NRHP00935

Flood Plain Map



-  Major Roads
-  Contour Lines
-  Waterways
-  County Boundary
-  Power Lines
-  Pipe Lines
-  Fault Lines
-  Water
-  100-year flood zone
-  500-year flood zone
-  Electronic FEMA data available
-  Electronic FEMA data not available



SITE NAME: S. Maple Meadows
 ADDRESS: 800 S. Maple Road
 Ann Arbor MI 48103
 LAT/LONG: 42.2716 / 83.7808

CLIENT: The Mannik & Smith Group
 CONTACT: Michelle Henn
 INQUIRY #: 3590285.1s
 DATE: April 29, 2013

FLOOD PLAIN MAP FINDINGS

Source: FEMA DFIRM Flood Data, FEMA Q3 Flood Data

County	FEMA flood data electronic coverage
--------	-------------------------------------

WASHTENAW, MI

NO

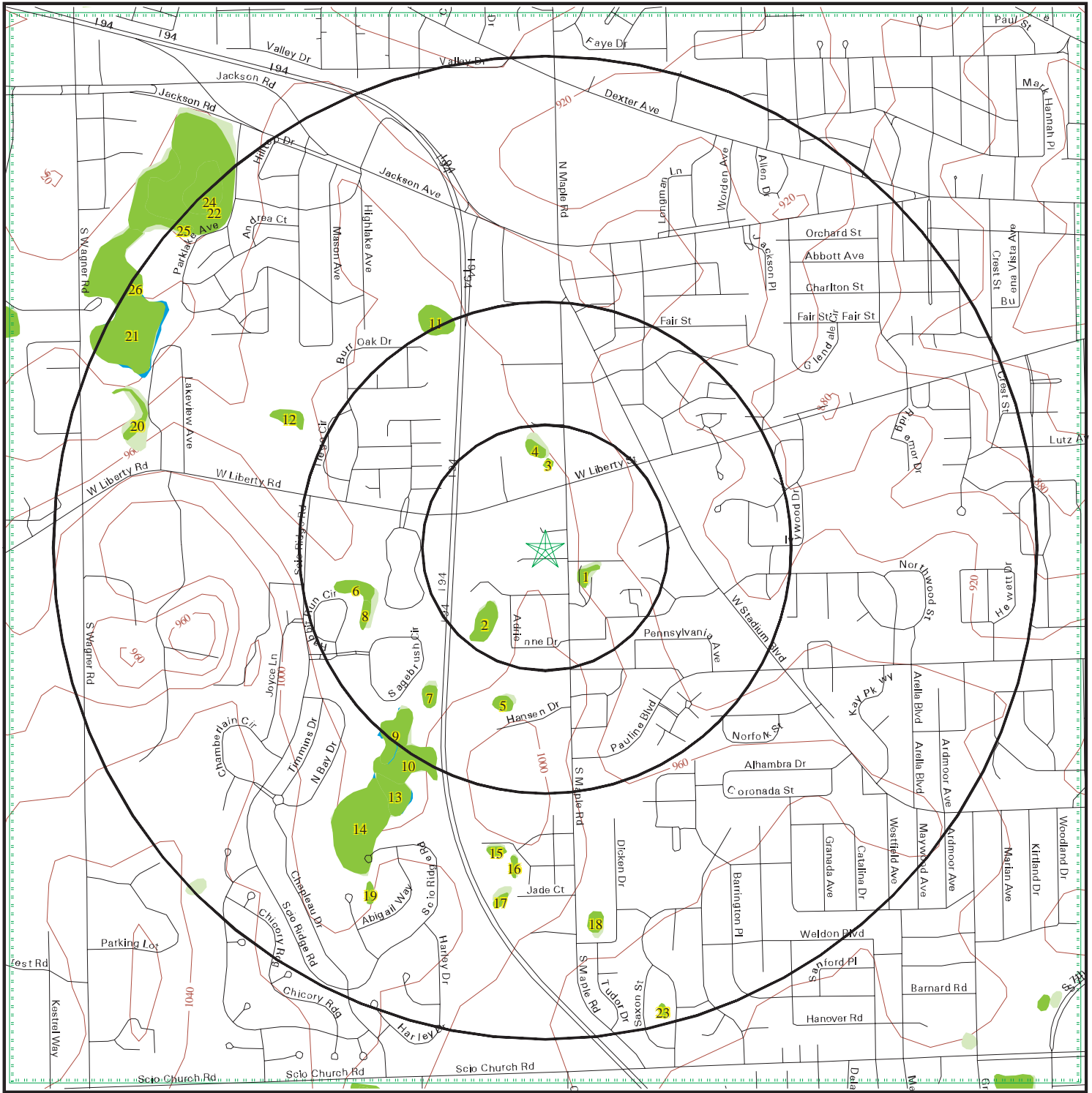
Flood Plain panel at target property:

None Reported

Additional Flood Plain panel(s) in search area:

None Reported

National Wetlands Inventory Map



- Major Roads
- Power Lines
- Contour Lines
- Pipe Lines
- Waterways
- Fault Lines
- County Boundary
- Water
- National Wetlands Inventory
- State Wetlands
- Electronic NWI data available
- Electronic NWI data not available

SITE NAME: S. Maple Meadows
 ADDRESS: 800 S. Maple Road
 Ann Arbor MI 48103
 LAT/LONG: 42.2716 / 83.7808

CLIENT: The Mannik & Smith Group
 CONTACT: Michelle Henn
 INQUIRY #: 3590285.1s
 DATE: April 29, 2013

WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Ann Arbor West

Additional NWI hardcopy map(s) in search area:

Not reported in source data

Map ID	Direction	Distance	Distance (ft.)	Code and Description*	Database
1	ESE	0-1/8 mi	429	PUBG [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed Lat/Lon: 42.270966 / -83.779465	NWI
2	SW	1/8-1/4 mi	805	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 42.269981 / -83.782829	NWI
3	North	1/8-1/4 mi	853	PUBGx [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [x] Excavated Lat/Lon: 42.273937 / -83.780678	NWI
4	North	1/8-1/4 mi	958	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 42.274227 / -83.780891	NWI
5	SSW	1/4-1/2 mi	1644	PEMC [P] Palustrine, [EM] Emergent, [C] Seasonally Flooded Lat/Lon: 42.267239 / -83.782349	NWI
6	WSW	1/4-1/2 mi	1883	PSSC [P] Palustrine, [SS] Scrub-Shrub, [C] Seasonally Flooded Lat/Lon: 42.270405 / -83.787567	NWI
7	SW	1/4-1/2 mi	1892	PEMC [P] Palustrine, [EM] Emergent, [C] Seasonally Flooded Lat/Lon: 42.267529 / -83.785141	NWI
8	WSW	1/4-1/2 mi	1959	PEMC [P] Palustrine, [EM] Emergent, [C] Seasonally Flooded Lat/Lon: 42.269958 / -83.787697	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
9 SW 1/4-1/2 mi 2258	PEMF [P] Palustrine, [EM] Emergent, [F] Semipermanently Flooded Lat/Lon: 42.266872 / -83.786194	NWI
10 SSW 1/4-1/2 mi 2463	PSSC [P] Palustrine, [SS] Scrub-Shrub, [C] Seasonally Flooded Lat/Lon: 42.265705 / -83.785248	NWI
11 NNW 1/4-1/2 mi 2518	PFO1Cx [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [C] Seasonally Flooded, [x] Excavated Lat/Lon: 42.277889 / -83.784645	NWI
12 WNW 1/2-1 mi 2896	PUBGx [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [x] Excavated Lat/Lon: 42.275112 / -83.790398	NWI
13 SSW 1/2-1 mi 2941	PEMF [P] Palustrine, [EM] Emergent, [F] Semipermanently Flooded Lat/Lon: 42.264671 / -83.786369	NWI
14 SW 1/2-1 mi 3069	PFO1Cx [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [C] Seasonally Flooded, [x] Excavated Lat/Lon: 42.264812 / -83.787506	NWI
15 South 1/2-1 mi 3240	PUBGx [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [x] Excavated Lat/Lon: 42.262802 / -83.782486	NWI
16 South 1/2-1 mi 3323	PUBGx [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [x] Excavated Lat/Lon: 42.262531 / -83.782082	NWI
17 South 1/2-1 mi 3723	PEMC [P] Palustrine, [EM] Emergent, [C] Seasonally Flooded Lat/Lon: 42.261448 / -83.782310	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
18 South 1/2-1 mi 3936	PSSC [P] Palustrine, [SS] Scrub-Shrub, [C] Seasonally Flooded Lat/Lon: 42.260895 / -83.778885	NWI
19 SSW 1/2-1 mi 4043	PUBG [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed Lat/Lon: 42.261768 / -83.787712	NWI
20 WNW 1/2-1 mi 4491	PUBGx [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [x] Excavated Lat/Lon: 42.275452 / -83.796562	NWI
21 WNW 1/2-1 mi 4663	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 42.276855 / -83.796509	NWI
22 NW 1/2-1 mi 4886	PEMC [P] Palustrine, [EM] Emergent, [C] Seasonally Flooded Lat/Lon: 42.281124 / -83.793503	NWI
23 SSE 1/2-1 mi 5045	PUBG [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed Lat/Lon: 42.258190 / -83.776192	NWI
24 NW 1/2-1 mi 5078	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 42.281666 / -83.793762	NWI
25 NW 1/2-1 mi 5081	PEMF [P] Palustrine, [EM] Emergent, [F] Semipermanently Flooded Lat/Lon: 42.280895 / -83.794792	NWI
26 WNW 1/2-1 mi 5120	PSS1C [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [C] Seasonally Flooded Lat/Lon: 42.279114 / -83.796783	NWI

*See Wetland Classification System for additional information.

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

SYSTEM

MARINE

SUBSYSTEM

1 - SUBTIDAL

2 - INTERTIDAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom	AB-AQUATIC BED	RF-REEF	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm		1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SYSTEM

E - ESTUARINE

SUBSYSTEM

1 - SUBTIDAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	

SUBSYSTEM

2 - INTERTIDAL

CLASS	AB-AQUATIC BED	RF-REEF	SB - STREAMBED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	SS-SCRUB SHRUB	FO-FORESTED
Subclass	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

SYSTEM

R - RIVERINE

SUBSYSTEM

1 - TIDAL 2 - LOWER PERENNIAL 3 - UPPER PERENNIAL 4 - INTERMITTENT 5 - UNKNOWN PERENNIAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	*SB-STREAMBED	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	**EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
 **EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM

L - LACUSTRINE

SUBSYSTEM

1 - LIMNETIC

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

SUBSYSTEM

2 - LITTORAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

SUBSYSTEM

P - PALUSTRINE

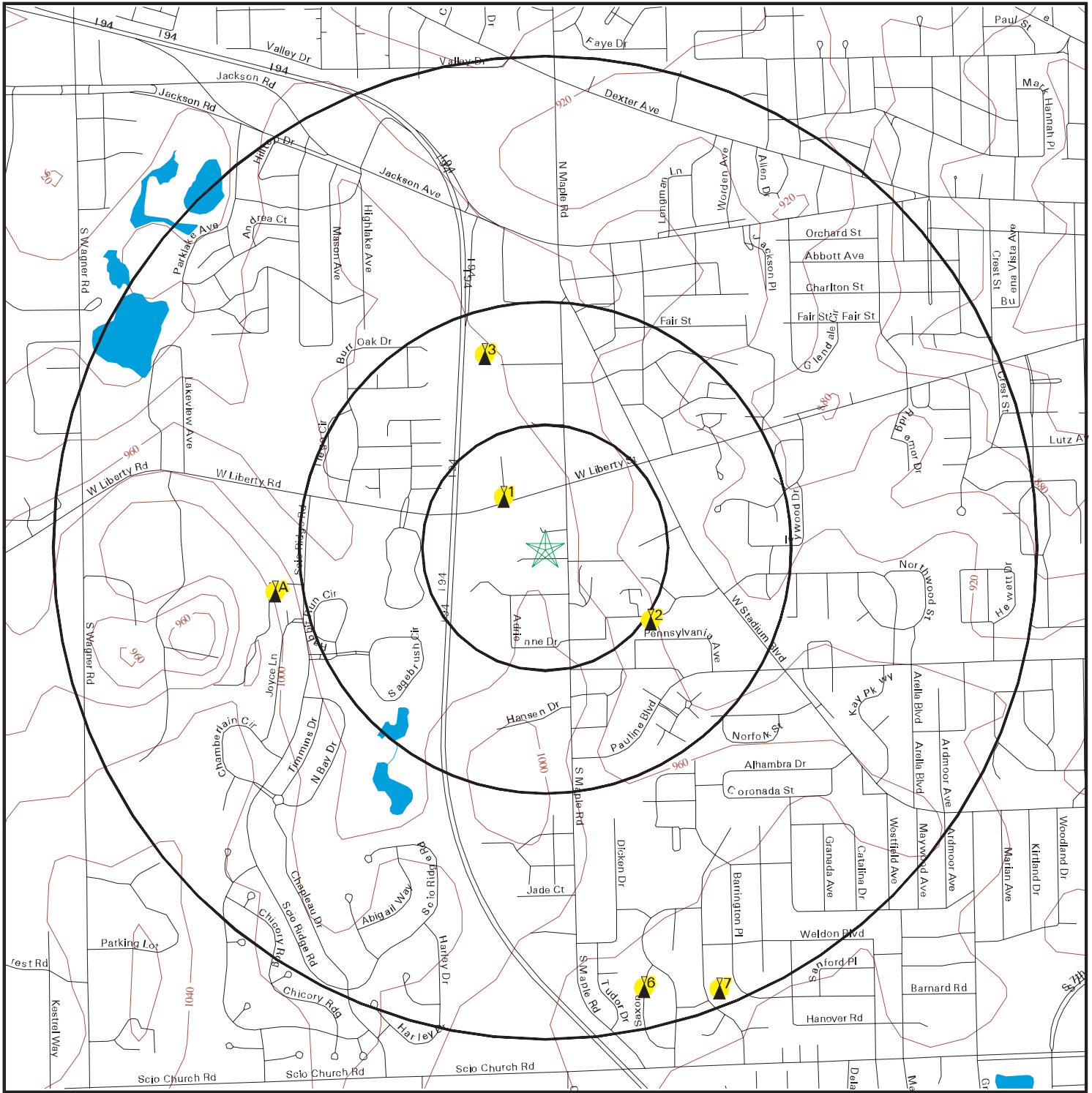
CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS- LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	

MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal	Inland	Salinity	pH	Modifiers		
A Temporarily Flooded	H Permanently Flooded	K Artificially Flooded	*S Temporary-Tidal	1 Hyperhaline	7 Hypersaline	all Fresh Water	g Organic	b Beaver
B Saturated	J Intermittently Flooded	L Subtidal	*R Seasonal-Tidal	2 Euhaline	8 Eusaline	a Acid	n Mineral	d Partially Drained/Ditched
C Seasonally Flooded	K Artificially Flooded	M Irregularly Exposed	*T Semipermanent -Tidal	3 Mixohaline (Brackish)	9 Mixosaline	t Circumneutral		f Farmed
D Seasonally Flooded/ Well Drained	W Intermittently Flooded/Temporary	N Regularly Flooded	V Permanent -Tidal	4 Polyhaline	0 Fresh	i Alkaline		h Diked/Impounded
E Seasonally Flooded/ Saturated	Y Saturated/Semipermanent/ Seasonal	P Irregularly Flooded	U Unknown	5 Mesohaline				r Artificial Substrate
F Semipermanently Flooded	Z Intermittently Exposed/Permanent	*These water regimes are only used in tidally influenced, freshwater systems.			6 Oligohaline			s Spoil
G Intermittently Exposed	U Unknown			0 Fresh				x Excavated

FCC & FAA Sites Map



-  Streets
-  Contour Lines
-  County Boundary
-  Waterways
-  Power Lines
-  Water
-  Sites



SITE NAME: S. Maple Meadows
ADDRESS: 800 S. Maple Road
 Ann Arbor MI 48103
LAT/LONG: 42.2716 / 83.7808

CLIENT: The Mannik & Smith Group
CONTACT: Michelle Henn
INQUIRY #: 3590285.1s
DATE: April 29, 2013

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

1
NW
1/8-1/4 mi
703

TOW100000061035
TOWER

Tower id:	47251
City:	ANN ARBOR
Date active:	Mar 11 1981
Date const:	Not Reported
Date faa:	Dec 23 1980
Date fcc:	Feb 17 1981
Hgt antenna:	0.0000
Hgt antenna (M):	0.0000
Hgt beacon:	0.0000
Hgt beacon (M):	0.0000
Elevation:	1140.0000
Elev FAA:	1140.0000
Elev FAA (M):	347.5000
Elev (M):	347.5000
Hgt structure:	170.0000
Hgt struc faa:	170.0000
Hgt stru faa (M):	51.8000
Hgt struc (M):	51.8000
Supporting Struc Hgt:	0.0000
Supp. Struct Hgt (M):	0.0000
Tower Hgt:	0.0000
Tower (M):	0.0000
Id asb acc:	C
Faa id:	80-GL-1644-OE
File num:	19376-IB-021
Name owner:	Not Reported
State:	MI
Address:	Not Reported
Action:	OLD
Type stru:	TOW
Type tower:	E
Key site:	60540
Id exam:	Not Reported
Xmit lat:	421623
Xmit long:	0834657
Lat deg:	42
Lat min:	16
Lat sec:	23
Lat second:	152183
Long deg:	83
Long min:	46
Long sec:	57
Long secon:	301617
Key rem:	Not Reported
The date:	Not Reported
Type pl:	Not Reported
Spec cond1:	Not Reported

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Spec cond2: Not Reported
Remarks: Not Reported
Edr id: TOW100000061035

This record is for a license, and it may or may not indicate a site which has been built.

2
SE
1/4-1/2 mi
1374

TOW10000004331
TOWER

Tower id: 108097
City: ANN ARBOR
Date active: Jul 2 1990
Date const: 99/99/1999
Date faa: Not Reported
Date fcc: May 17 1990
Hgt antenna: 7.0000
Hgt antenna (M): 2.1000
Hgt beacon: 0.0000
Hgt beacon (M): 0.0000
Elevation: 1007.0000
Elev FAA: 0.0000
Elev FAA (M): 0.0000
Elev (M): 306.9000
Hgt structure: 57.0000
Hgt struc faa: 0.0000
Hgt stru faa (M): 0.0000
Hgt struc (M): 17.4000
Supporting Struc Hgt: 0.0000
Supp. Struct Hgt (M): 0.0000
Tower Hgt: 50.0000
Tower (M): 15.2000
Id asb acc: C
Faa id: Not Reported
File num: 290783B
Name owner: ANN ARBOR PARA TRANSIT, INC.
State: MI
Address: 2050 COMMERCE
Action: ADD
Type stru: TOW
Type tower: E
Key site: 60522
Id exam: ASB3
Xmit lat: 421610
Xmit long: 0834636
Lat deg: 42
Lat min: 16
Lat sec: 10
Lat second: 152170
Long deg: 83

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Long min: 46
 Long sec: 36
 Long secon: 301596
 Key rem: Not Reported
 The date: Not Reported
 Type pl: Not Reported
 Spec cond1: Not Reported
 Spec cond2: Not Reported
 Remarks: Not Reported
 Edr id: TOW10000004331

This record is for a license, and it may or may not indicate a site which has been built.

3
 NNW
 1/4-1/2 mi
 2177

ANT20000095960
 ANTREG

Regnum: 1215972
 Filenum: A0513926
 Issuedate: 8/3/2006
 Entity: CROWN CASTLE TOWER 05 LLC
 Lat dms: 42,16,38.2
 Lat dir: 1
 Lon dms: 83,46,59.7
 Lon dir: -1
 Dd temp: 42.2773
 Dd temp0: -83.7832
 Strucht: 46.3
 Strucadd: 404 South Maple Road
 Struccity: Ann Arbor
 Strucstate: MI
 Faastudy: 2006-AGL-2956-OE
 Faacirc: Not Reported
 Lcid: L01045201
 Contname: REGULATORY DEPARTMENT
 Contadd: 2000 CORPORATE DRIVE
 Contpo: Not Reported
 Contcity: CANONSBURG
 Contstate: PA
 Contzip: 15317
 Edr id: ANT20000095960

This record is for a license, and it may or may not indicate a site which has been built.

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

A4
West
1/2-1 mi
2907

ANT200000095897
ANTREG

Regnum: 1019454
 Filenum: A0541972
 Issuedate: 2/21/2007
 Entity: New Par
 Lat dms: 42,16,13
 Lat dir: 1
 Lon dms: 83,47,29
 Lon dir: -1
 Dd temp: 42.2703
 Dd temp0: -83.7914
 Strucht: 57.9
 Strucadd: 1000 SCIO RIDGE (ANN ARBOR WEST)
 Struccity: SCIO TOWNSHIP
 Strucstate: MI
 Faastudy: 2007-AGL-385-OE
 Faacirc: Not Reported
 Lcid: L00001525
 Contname: Regulatory
 Contadd: 1120 Sanctuary Pkwy, #150 GASA5REG
 Contpo: Not Reported
 Contcity: Alpharetta
 Contstate: GA
 Contzip: 30004
 Edr id: ANT200000095897

This record is for a license, and it may or may not indicate a site which has been built.

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

A5
West
1/2-1 mi
2963

TOW100000027150
TOWER

Tower id:	131417
City:	ANN ARBOR
Date active:	Jan 25 1996
Date const:	Not Reported
Date faa:	Jun 16 1995
Date fcc:	Jan 10 1996
Hgt antenna:	0.0000
Hgt antenna (M):	0.0000
Hgt beacon:	0.0000
Hgt beacon (M):	0.0000
Elevation:	1187.0000
Elev FAA:	1187.0000
Elev FAA (M):	361.8000
Elev (M):	361.8000
Hgt structure:	190.0000
Hgt struc faa:	190.0000
Hgt stru faa (M):	57.9000
Hgt struc (M):	57.9000
Supporting Struc Hgt:	0.0000
Supp. Struct Hgt (M):	0.0000
Tower Hgt:	0.0000
Tower (M):	0.0000
Id asb acc:	Not Reported
Faa id:	95-AGL-2427-OE
File num:	854-1643
Name owner:	DETROIT CELLULAR TELEPHONE CO
State:	MI
Address:	Not Reported
Action:	ADD
Type stru:	POL
Type tower:	E
Key site:	82383
Id exam:	PRB0
Xmit lat:	421613
Xmit long:	0834730
Lat deg:	42
Lat min:	16
Lat sec:	13
Lat second:	152173
Long deg:	83
Long min:	47
Long sec:	30
Long secon:	301650
Key rem:	Not Reported
The date:	Not Reported
Type pl:	Not Reported
Spec cond1:	Not Reported

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Spec cond2: Not Reported
Remarks: Not Reported
Edr id: TOW100000027150

This record is for a license, and it may or may not indicate a site which has been built.

6
SSE
1/2-1 mi
4839

TOW100000061004
TOWER

Tower id: 47202
City: ANN ARBOR
Date active: Oct 31 1976
Date const: Not Reported
Date faa: Jul 17 1946
Date fcc: Not Reported
Hgt antenna: 0.0000
Hgt antenna (M): 0.0000
Hgt beacon: 0.0000
Hgt beacon (M): 0.0000
Elevation: 1240.0000
Elev FAA: 1240.0000
Elev FAA (M): 378.0000
Elev (M): 378.0000
Hgt structure: 274.0000
Hgt struc faa: 274.0000
Hgt stru faa (M): 83.5000
Hgt struc (M): 83.5000
Supporting Struc Hgt: 0.0000
Supp. Struct Hgt (M): 0.0000
Tower Hgt: 0.0000
Tower (M): 0.0000
Id asb acc: Y
Faa id: CAA
File num: B2-PH-383
Name owner: Not Reported
State: MI
Address: 516 EAST LIBERTY ST
Action: OLD
Type stru: TOW
Type tower: E
Key site: 60487
Id exam: Not Reported
Xmit lat: 421531
Xmit long: 0834637
Lat deg: 42
Lat min: 15
Lat sec: 31
Lat second: 152131
Long deg: 83

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Long min: 46
 Long sec: 37
 Long secon: 301597
 Key rem: Not Reported
 The date: Not Reported
 Type pl: 1 12 21 3
 Spec cond1: Not Reported
 Spec cond2: Not Reported
 Remarks: Not Reported
 Edr id: TOW10000061004

This record is for a license, and it may or may not indicate a site which has been built.

7
 SSE
 1/2-1 mi
 5091

DOF200000110330
 NOAA_DOF

Obstacle n: 26-000293
 O or u: O
 Country: US
 State: MI
 City: ANN ARBOR
 Lat deg: 42
 Lat min: 15
 Lat sec: 31.00N
 Lon deg: 83
 Lon min: 46
 Lon sec: 26.00W
 Obstacle type: TOWER
 Quantity: 1
 Agl ht: 274
 Amsl ht: 1240
 Lighting: U
 Horiz acc: Not Reported
 Vert acc: Not Reported
 Marking: M
 Faa num: Not Reported
 Action: Dismantle
 Action Date: 1976292 21
 Edr id: DOF200000110330

FCC & FAA SITES MAP FINDINGS AIRPORTS

EDR ID
Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS POWERLINES

EDR ID
Database

No Sites Reported.

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS

Officially designated wilderness areas

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

USDA Forest Service, Eastern
310 West Wisconsin Avenue
Milwaukee, WI 53203
414-297-3693

BLM - Eastern States Office
7450 Boston Blvd.
Springfield, VA 22153
703-440-1713

Fish & Wildlife Service, Region 3
BHW Federal Building One Federal Drive
Fort Snelling, MN 55111-4056
612-713-5230

Officially designated wildlife preserves, sanctuaries and refuges

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

MI Park Facilities: Facilities Database

Dept. of Natural Resources facilities for the state of Michigan. Facilities include: linear state parks, state parks, state game areas, wildlife research areas, state forest, and state fish hatcheries.

Source: Department of Natural Resources.

Telephone: 517-373-2534

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 3

BHW Federal Building One Federal Drive

Fort Snelling, MN 55111-4056

612-713-5230

State Contacts for Additional Information

Dept. of Natural Resources 517-373-1280

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks

- Forests

- Monuments

- Wildlife Sanctuaries, Preserves, Refuges

- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 3

BHW Federal Building One Federal Drive

Fort Snelling, MN 55111-4056

612-713-5230

Endangered Species

Government Records Searched in This Report

Endangered Species Protection Program Database

A listing of endangered species by county.

Source: Environmental Protection Agency

Telephone: 703-305-5239

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 3

BHW Federal Building One Federal Drive

Fort Snelling, MN 55111-4056

612-713-5230

State Contacts for Additional Information

Natural Features Inventory 517-373-1552

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES

Historic Places

Government Records Searched in This Report

National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

The National Register includes:

- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/23/2006

MI Historic Sites: National Historic Landmarks National and State Register Listings

Listing of historic sites included on the National and State Register.

Source: State Historic Preservation Office. Michigan Historical Center

Telephone: 517-373-1630

Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation

1849 C Street NW

Washington, DC 20240

Phone: (202) 208-6843

State Contacts for Additional Information

State Historic Preservation Office 517-373-1630

Indian Religious Sites

Government Records Searched in This Report

Indian Reservations:

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

Source: USGS

Phone: 888-275-8747

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs

Office of Public Affairs

1849 C Street, NW

Washington, DC 20240-0001

Office: 202-208-3711

Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers

1411 K Street NW, Suite 700

Washington, DC 20005

Phone: 202-628-8476

Fax: 202-628-2241

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:
<http://www.doi.gov/bia/areas/agency.html>

Minneapolis Area Office, Bureau of Indian Affairs
331 S. Second Avenue
Minneapolis, MN 55401
612-373-1000

Scenic Trails

State Contacts for Additional Information

North County Trail Association
49 Monroe Center Suite 200B
Grand Rapids, Michigan 49503
616-454-5506

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management

Government Records Searched in This Report

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Federal Contacts for Additional Information

Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information

Dept. of State Police, Emergency Management Div. 517-333-5041

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2004 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Natural Resources
Telephone: 517-241-2254

Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information

Dept. of Natural Resources 517-373-1280

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas

Dept. of Env., Health & Natural Resources
919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management

N/ORM, SSMC4
1305 East-West Highway
Silver Spring, Maryland 20910
301-713-3102

State Contacts for Additional Information

Land & Water Management Division 517-373-1950

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

Government Records Searched in This Report

Cellular

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

4G Cellular

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

Antenna Structure Registration

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

Towers

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

AM Antenna

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

FM Antenna

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

FAA Digital Obstacle File

Federal Aviation Administration (FAA)
1305 East-West Highway, Station 5631
Silver Spring, MD 20910-3281
Telephone: 301-713-2817
Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities

Federal Aviation Administration
Telephone (800) 457-6656
Private and public use landing facilities.

Electric Power Transmission Line Data

Rextag Strategies Corp.
14405 Walters Road, Suite 510
Houston, TX 77014
281-769-2247
U.S. Electric Transmission and Power Plants systems Digital GIS Data.

Excessive Radio Frequency Emission

For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information

Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Phone: 202-418-2470

OTHER CONTACT SOURCES

NEPA Single Point of Contact

State Contacts for Additional Information
Southeast Michigan Council of Governments
660 Plaza Drive
Suite 1900
Detroit, MI 48226
313-961-4266

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

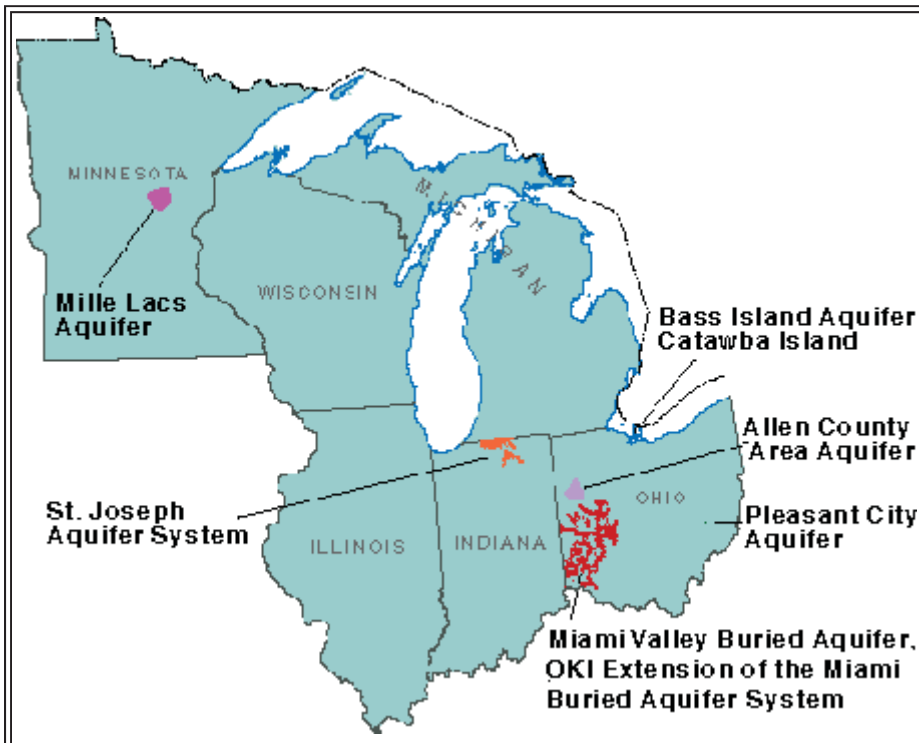
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DESIGNATED SOLE SOURCE AQUIFERS IN EPA REGION 5 MAP



DESIGNATED SOLE SOURCE AQUIFERS IN EPA REGION V

Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin



Thomas Poy
Ground Water Branch, US EPA Region 5
77 W. Jackson Blvd.
Chicago, IL 60604
phone: (312) 886-5991
email: poy.thomas@epa.gov

Contact the coordinator above for more information.

DESIGNATED SOLE SOURCE AQUIFERS IN REGION V:

State	Sole Source Aquifer Name	Federal Register Cit.	Public. Date	GIS map
IN	St. Joseph Aquifer System	53 FR 23682	06/23/88	no
MN	Mille Lacs Aquifer	55 FR 43407	10/29/90	no
OH	Pleasant City Aquifer	52 FR 32342	08/27/87	yes
OH	Bass Island Aq., Catawba Island	52 FR 37009	10/02/87	yes
OH	Miami Valley Buried Aquifer	53 FR 15876	05/04/88	yes
OH	OKI extension of the Miami Buried Valley Aquifer	53 FR 25670	07/08/88	yes
OH	Allan County Area Combined Aquifer System	57 FR 53111	11/06/92	yes

MICHIGAN COUNTY COASTAL ZONE MANAGEMENT





[close print view](#)

Coastal Zone Boundary Maps

The links listed below show Michigan's coastal zone boundaries.

Alcona

- [Harrisville and Greenbush Townships](#)
- [Alcona and Haynes Township](#)

Alger

- [Burt Township](#)
- [Grand Island and Munising Townships, City of Munising](#)
- [Onota and Au Train Townships](#)

Allegan

- [Ganges and Casco Townships](#)
- [Laketown, Saugatuck and Manlius Townships and South Haven](#)

Alpena

- [Alpena and Sanborn Townships](#)
- [Alpena Township and City of Alpena](#)

Antrim

- [Banks and Torch Lake Townships](#)
- [Milton and Elk Rapids Townships](#)

Arenac

- [Standish, Arenac and Au Gres Townships](#)
- [Whitney, Sims and Au Gres Townships](#)

Baraga

- [Arvon Township](#)
- [Baraga and L'Anse Townships](#)

Bay

- [Bangor, Hampton, Merritt, Portsmouth and Frankenlust Townships and Bay City and Essexville](#)
- [Bangor, Kawkawlin and Fraser Townships](#)
- [Pinconning Township](#)

Benzie

- [Lake Township](#)
- [Crystal Lake, Gilmore and Blaine Townships and City of Frankfort](#)

Berrien

- [Hagar, Benton and St. Joseph Townships and Benton Harbor and St. Joseph](#)
- [Lincoln and Lake Townships and the city of Bridgman](#)
- [New Buffalo and Chikaming Townships and New Buffalo](#)

Charlevoix

- [Bay, Charlevoix and Hayes Townships](#)
- [Charlevoix County, Beaver Island Group](#)
- [Eveline, South Arm, East Jordan, Evangeline and Wilson Townships and Boyne City](#)

- [Norwood Township](#)

Cheboygan

- [Benton Township and City of Cheboygan](#)
- [Mackinaw, Hebron and Beaugrand Townships](#)

Chippewa

- [Bay Mills, Superior and Soo Townships and Sault Ste. Marie](#)
- [Bay Mills Township](#)
- [Bruce and Soo \(Nebbish Island\) Townships](#)
- [Detour and Raber Townships](#)
- [Drummond Township](#)
- [Pickford and Raber Townships](#)
- [Sugar Island Township](#)
- [Whitefish Township](#)

Delta

- [Ford River Township](#)
- [Brampton, Escanaba and Wells Townships and the cities of Gladstone and Escanaba](#)
- [Ensign, Bay De Noc and Masonville Townships](#)
- [Fairbanks Township](#)
- [Garden and Nahma Townships](#)

Emmet

- [Readmond and Friendship Townships](#)
- [Wawatam, Bliss and Cross Village Townships](#)
- [West Traverse, Little Traverse, Bear Creek and Resort Townships and the cities of Petoskey and Harbor Springs](#)

Gogebic

- [Ironwood \(East\) and Wakefield Townships](#)
- [Ironwood \(West\) Township](#)

Grand Traverse

- [Acme, East Bay and Garfield Townships and Traverse City](#)
- [Peninsula Township](#)

Houghton

- [Hancock and Calumet Townships](#)
- [Portage, Chassell and South part of Torch Lake Townships](#)
- [Schoolcraft, Osceola, Franklin, Portage and North part of Torch Lake Townships](#)
- [Stanton Township](#)

Huron

- [Fair Haven and Sebewaing Townships](#)
- [Harbor Beach, Sand Beach and Sherman Townships](#)
- [Huron, Gore and Rubicon Townships](#)
- [Lake, Caseville and McKinley Townships](#)
- [Pte. Aux Barques, Port Austin and Hume Townships](#)

Iosco

- [Baldwin, Tawas, Alabaster Townships and East Tawas and Tawas City](#)
- [Oscoda and Au Sable Townships](#)

Keweenaw

- [Sherman Township](#)
- [Allouez and Houghton Townships \(Mainland\)](#)
- [Eagle Harbor Township \(Mainland\)](#)
- [Grant Township](#)
- [Isle Royal and Eagle Harbor Townships](#)
- [Isle Royal and Houghton Townships](#)

Leelanau

- [Bingham and Elmwood Townships](#)
- [Leland, Leelanau and Suttons Bay Townships](#)
- [Cleveland, Glen Arbor and Empire Townships](#)

Luce

- [McMillan Township \(western part\)](#)
- [McMillan Township \(eastern part\)](#)

Mackinac

- [Bois Blanc Township](#)
- [Clark Township](#)
- [Garfield Township](#)
- [Hendricks and Hudson Townships](#)
- [Marquette and St. Ignace Townships](#)
- [Moran Township](#)
- [Newton Township](#)

Macomb

- [Chesterfield, Harrison, Clinton, and Lake Townships and the cities of Mt. Clemens and St. Clair Shores](#)

Manistee

- [Arcadia and Onekama Townships](#)
- [Filer, Manistee and Stonach Townships and the city of Manistee](#)

Marquette

- [Marquette, Sands and Chocolay Townships](#)
- [Powell Township](#)

Mason

- [Grant, Hamlin and Victory Townships](#)
- [Pere Marquette, Amber, Riverton and Summit Townships and Ludington](#)

Menominee

- [Menominee Township and the city of Menominee](#)
- [Cedarville Township](#)
- [Ingallston Township](#)

Monroe

- [Berlin, Frenchtown and Monroe Townships](#)
- [Erie, LaSalle and Monroe Townships](#)

Muskegon

- [Muskegon, Laketon and Fruitport Townships, the "Muskegons" and Norton Shores](#)
- [White River, Montague, Whitehall and Fruitland Townships and cities of Montague and Whitehall](#)

Oceana

- [Benoa and Clay Banks Townships](#)
- [Pentwater and Golden Townships](#)

Ontonagon

- [Carp Lake Township](#)
- [Bohemia and Ontonagon \(east part\) Townships](#)
- [Ontonagon \(west part\) Township](#)

Ottawa

- [Port Sheldon, Holland and Park Townships and the cities of Zeeland and Holland](#)

- [Spring Lake and Grand Haven Townships and cities of Ferrysburg and Grand Haven](#)

Presque Isle

- [Bearinger and Ocqueoc Townships](#)
- [Presque Isle, Krakow and Pulawski Townships](#)
- [Rogers and Belknap Townships](#)

Saginaw

- [Kochville, Zilwaukee, Carrollton and Buena Vista Townships](#)

Sanilac

- [Delaware, Forest and Sanilac Townships](#)
- [Sanilac, Lexington and Worth Townships](#)

Schoolcraft

- [Manistique and Thompson Townships](#)
- [Mueller and Doyle Townships](#)

St. Clair

- [Burtchville and Fort Gratiot Townships and the city of Port Huron](#)
- [East China, Cottrelville, Clay and Ira Townships and the cities of Algonac and Marine-City](#)
- [St. Clair and East China Townships and the cities of Port Huron, Marysville and St. Clair](#)

Tuscola

- [Akron and Wisner Townships](#)

Van Buren

- [South Haven and Covert Townships and the city of South Haven](#)

Wayne

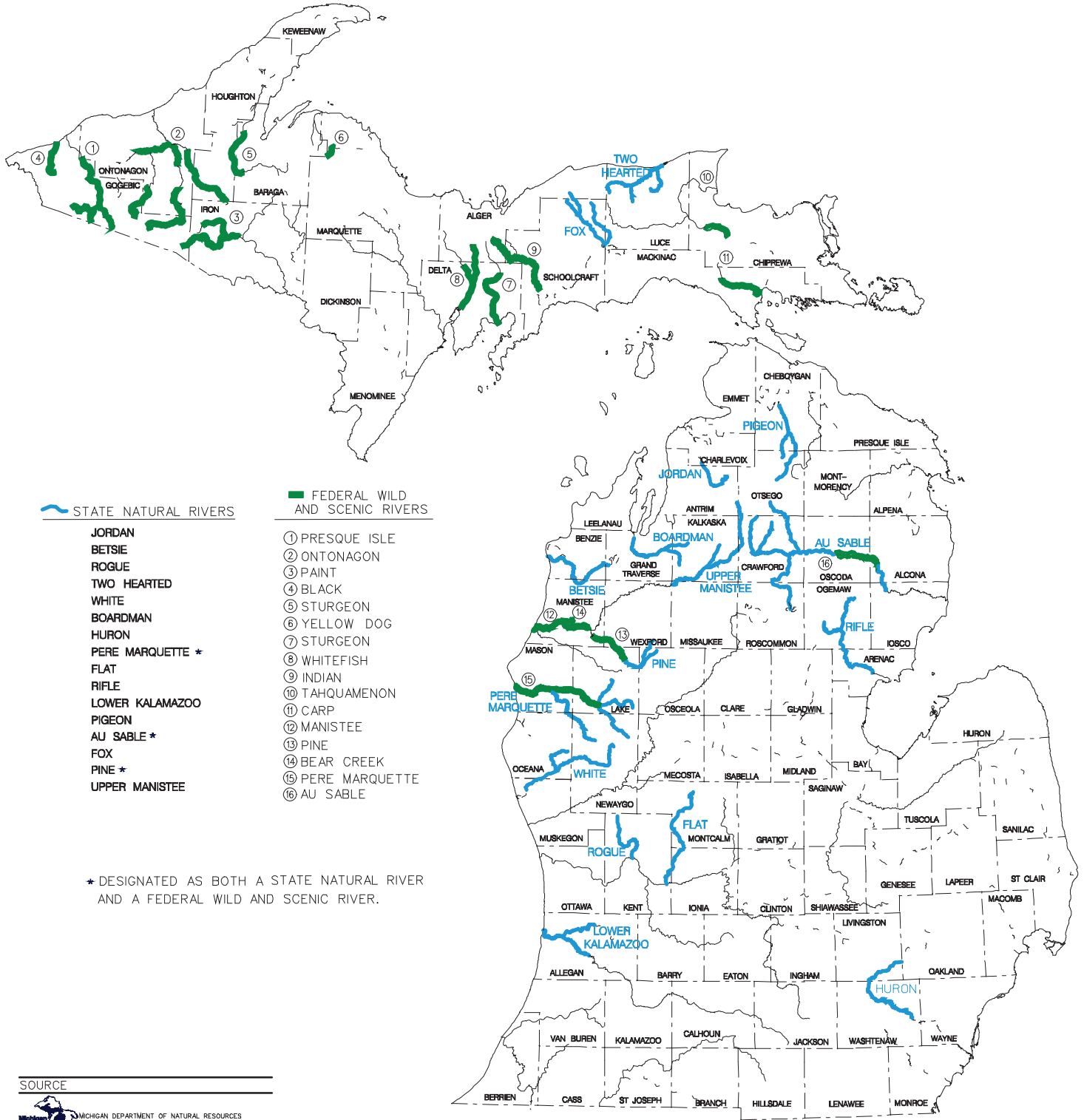
- [Brownstown Township and the cities of Ecorse, Lincoln Park, Wyandotte, Riverview, Trenton, Rockwood and Gibraltar](#)
- [The "Grosse Points", Detroit and River Rouge](#)



MDNR MAP OF DESIGNATED SCENIC RIVERS



MICHIGAN'S NATURAL AND WILD & SCENIC RIVERS



STATE NATURAL RIVERS

- JORDAN
- BETSIE
- ROGUE
- TWO HEARTED
- WHITE
- BOARDMAN
- HURON
- PERE MARQUETTE *
- FLAT
- RIFLE
- LOWER KALAMAZOO
- PIGEON
- AU SABLE *
- FOX
- PINE *
- UPPER MANISTEE

FEDERAL WILD AND SCENIC RIVERS

- ① PRESQUE ISLE
- ② ONTONAGON
- ③ PAINT
- ④ BLACK
- ⑤ STURGEON
- ⑥ YELLOW DOG
- ⑦ STURGEON
- ⑧ WHITEFISH
- ⑨ INDIAN
- ⑩ TAHQUAMENON
- ⑪ CARP
- ⑫ MANISTEE
- ⑬ PINE
- ⑭ BEAR CREEK
- ⑮ PERE MARQUETTE
- ⑯ AU SABLE

* DESIGNATED AS BOTH A STATE NATURAL RIVER AND A FEDERAL WILD AND SCENIC RIVER.

SOURCE

MICHIGAN DEPARTMENT OF NATURAL RESOURCES
 FOREST, MINERAL AND FIRE MANAGEMENT DIVISION

Michigan Resource Information System
 Part 609, Resource Inventory, of the Natural Resource and
 Environmental Protection Act, 1994 PA 451, as amended

OCTOBER 2003

NOTE: ALL RIVERS INCLUDE SOME
 OR ALL TRIBUTARIES

MDEQ AIR QUALITY ATTAINMENT MAP



MICHIGAN NAAQS ATTAINMENT STATUS

Attainment Areas:

The entire State of Michigan is currently designated “Attainment” with the National Ambient Air Quality Standards (NAAQS) for:

- ◆ Carbon Monoxide [CO]
 - ◆ Nitrogen Dioxide [NO₂]
 - ◆ Ozone [O₃]
 - ◆ Sulfur Dioxide [SO₂]
 - ◆ Particulate Matter Less Than 10 Microns [PM₁₀]
-

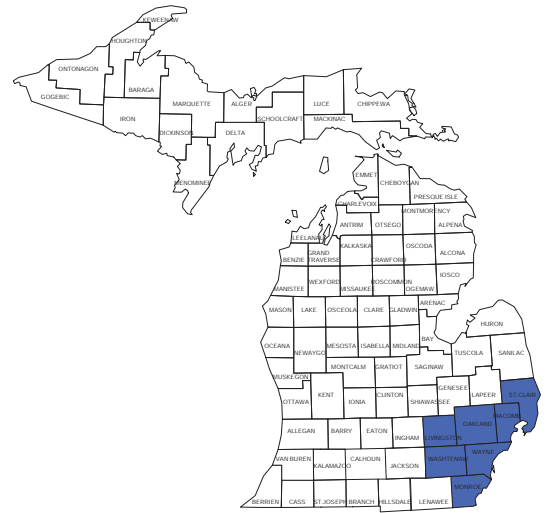
Nonattainment Areas:

◆ Annual and 24-hour PM_{2.5} (fine particles)

DEQ has requested that EPA redesignate area to Attainment.

Detroit Metropolitan Area

- Livingston
- Macomb
- Monroe
- Oakland
- St. Clair
- Washtenaw
- Wayne



* Note that **compliance** and **attainment** are two separate issues. All Michigan counties meet (*are in compliance with*) current PM_{2.5} Standards; but the EPA has not yet changed the attainment status. A single Wayne County monitor – located in an area heavily impacted by highway and industrial emissions – did not meet PM_{2.5} NAAQS until 2010.

◆ Lead [Pb]

All Michigan Counties meet the Lead (Pb) National Ambient Air Quality Standards except for a small area in Ionia County (*less than 1 square mile in Belding*).



EDR DATABASE REPORT



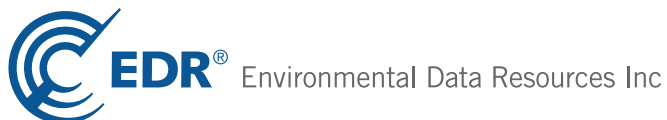


S. Maple Meadows

800 S. Maple Road
Ann Arbor, MI 48103

Inquiry Number: 3598506.1s
May 06, 2013

The EDR Radius Map™ Report



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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	15
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

800 S. MAPLE ROAD
ANN ARBOR, MI 48103

COORDINATES

Latitude (North): 42.2717000 - 42° 16' 18.12"
Longitude (West): 83.7808000 - 83° 46' 50.88"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 270668.0
UTM Y (Meters): 4683474.5
Elevation: 968 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-C7 ANN ARBOR WEST, MI
Most Recent Revision: 1983

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012
Source: USDA

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

EXECUTIVE SUMMARY

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site List

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

Federal RCRA 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

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... Contaminated Sites

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

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

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

EXECUTIVE SUMMARY

State and tribal institutional control / engineering control registries

AUL..... Engineering and Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/12/2013 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STADIUM COLLISION INC	611 S MAPLE	NNE 1/8 - 1/4 (0.204 mi.)	A2	6

EXECUTIVE SUMMARY

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 02/12/2013 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MICHIGAN BELL TELEPHONE COMPAN	550 S MAPLE RD	N 1/8 - 1/4 (0.225 mi.)	A4	11

State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, and dated 02/01/2013 has revealed that there is 1 LUST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANN ARBOR GARAGE (GEOLOC M6512) Facility Status: Closed	550 S MAPLE RD	N 1/8 - 1/4 (0.225 mi.)	A5	12

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 02/01/2013 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LIBERTY PUMPING STATION	2675 WEST LIBERTY	WNW 1/8 - 1/4 (0.175 mi.)	1	6
SELECT RIDE INC	2050 COMMERCE BLVD	SE 1/8 - 1/4 (0.223 mi.)	3	10
ANN ARBOR GARAGE (GEOLOC M6512)	550 S MAPLE RD	N 1/8 - 1/4 (0.225 mi.)	A5	12

EXECUTIVE SUMMARY

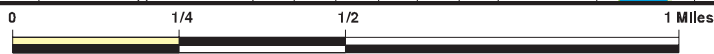
Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

<u>Site Name</u>	<u>Database(s)</u>
UNIV OF MICH HOSPITAL FULLER RD	SHWS
M14 ROLLOVER	CERCLIS
SHELL STATION	LUST, UST
MARATHON UNIT #1793	LUST, UST
ANN ARBOR PIPE & SUPPLY	LUST, UST
LIBERTY STREET	UST

OVERVIEW MAP - 3598506.1s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ☒ National Priority List Sites



- 📡 Oil & Gas pipelines from USGS
- 🟢 National Wetland Inventory
- 🟡 State Wetlands

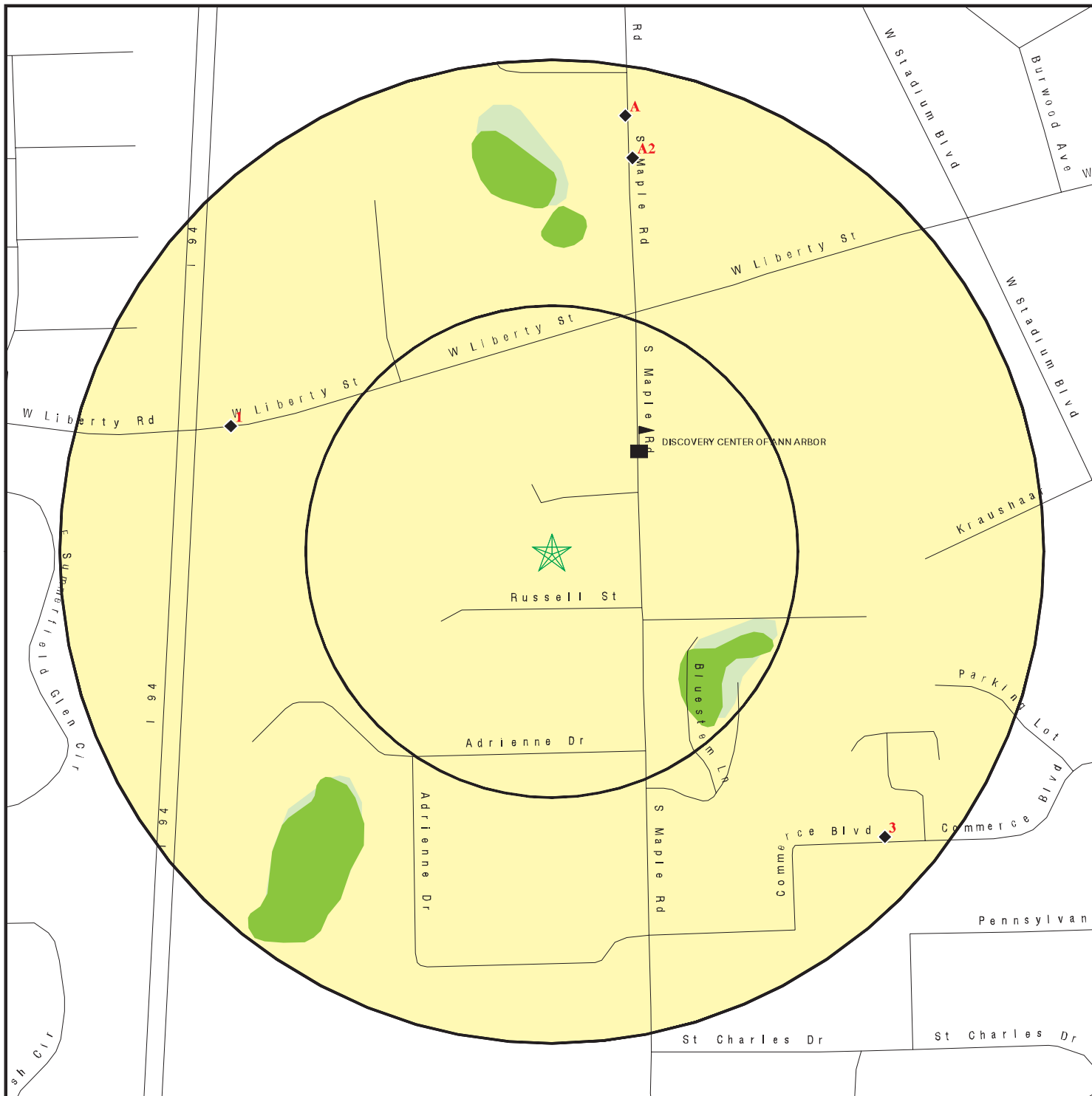







This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

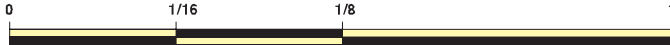
SITE NAME: S. Maple Meadows
 ADDRESS: 800 S. Maple Road
 Ann Arbor MI 48103
 LAT/LONG: 42.2717 / 83.7808




CLIENT: The Mannik & Smith Group
 CONTACT: Michelle Henn
 INQUIRY #: 3598506.1s
 DATE: May 06, 2013 4:33 pm

DETAIL MAP - 3598506.1s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Sensitive Receptors
-  National Priority List Sites



-  Oil & Gas pipelines from USGS
-  National Wetland Inventory
-  State Wetlands

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

SITE NAME: S. Maple Meadows
ADDRESS: 800 S. Maple Road
 Ann Arbor MI 48103
LAT/LONG: 42.2717 / 83.7808

CLIENT: The Mannik & Smith Group
CONTACT: Michelle Henn
INQUIRY #: 3598506.1s
DATE: May 06, 2013 4:34 pm

MAP FINDINGS SUMMARY

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

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
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
AUL	0.250		0	0	NR	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.250		0	0	NR	NR	NR	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS	0.250		0	0	NR	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
ODI	0.250		0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

1	LIBERTY PUMPING STATION	UST	U000266298
WNW	2675 WEST LIBERTY		N/A
1/8-1/4	ANN ARBOR, MI 48107		
0.175 mi.			
925 ft.			

Relative:	UST:	
Lower	Facility ID:	00010240
	Facility Type:	CLOSED
Actual:	Owner Name:	CITY OF ANN ARBOR
966 ft.	Owner Address:	PO BOX 8647 100 N FIFTH AVE
	Owner City,St,Zip:	ANN ARBOR, MI 48107
	Owner Country:	USA
	Owner Contact:	Not reported
	Owner Phone:	(734) 794-6000
	Contact:	DANIEL J. CULLEN
	Contact Phone:	(734) 994-6696
	Date of Collection:	01/11/2001
	Accuracy:	100
	Accuracy Value Unit:	FEET
	Horizontal Datum:	NAD83
	Source:	STATE OF MICHIGAN
	Point Line Area:	POINT
	Desc Category:	Plant Entrance (Freight)
	Method of Collection:	Address Matching-House Number
	Latitude:	42.27252
	Longitude:	-83.78397
	Tank ID:	1
	Tank Status:	Removed from Ground
	Capacity:	550
	Product:	Diesel
	Install Date:	03/17/1972
	Remove Date:	09/15/1991
	Tank Release Detection:	Not reported
	Pipe Release Detection:	Not reported
	Piping Material:	Bare Steel
	Piping Type:	Not reported
	Construction Material:	Asphalt Coated or Bare Steel
	Impressed Device:	No

A2	STADIUM COLLISION INC	RCRA-SQG	1000865739
NNE	611 S MAPLE		MI0000124271
1/8-1/4	ANN ARBOR, MI 48103		
0.204 mi.			
1079 ft.	Site 1 of 3 in cluster A		

Relative:	RCRA-SQG:	
Lower	Date form received by agency:	07/07/2008
	Facility name:	STADIUM COLLISION INC
Actual:	Facility address:	611 S MAPLE
959 ft.		ANN ARBOR, MI 48103
	EPA ID:	MI0000124271
	Mailing address:	611 S MAPLE RD
		ANN ARBOR, MI 48103
	Contact:	TERRY GUTHRIE
	Contact address:	611 S MAPLE
		ANN ARBOR, MI 48103
	Contact country:	US
	Contact telephone:	(734) 994-8885

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STADIUM COLLISION INC (Continued)

1000865739

Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: SUPERIOR COLLISION INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/01/1993
Owner/Op end date: Not reported

Owner/operator name: SUPERIOR COLLISION INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/01/1993
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 08/15/2002
Facility name: STADIUM COLLISION INC
Classification: Small Quantity Generator

Date form received by agency: 02/16/1994
Facility name: STADIUM COLLISION INC
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STADIUM COLLISION INC (Continued)

1000865739

Date form received by agency: 02/01/1993
Facility name: STADIUM COLLISION INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

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

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 06/01/2011
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/07/2011
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: Used Oil - Generators
Date violation determined: 06/01/2011
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/07/2011
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: 06/01/2011
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/07/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STADIUM COLLISION INC (Continued)

1000865739

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 06/01/2011
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/07/2011
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: 06/01/2011
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/07/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/01/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STADIUM COLLISION INC (Continued)

1000865739

Evaluation lead agency: State

3
SE
1/8-1/4
0.223 mi.
1177 ft.

SELECT RIDE INC
2050 COMMERCE BLVD
ANN ARBOR, MI 48103

UST U000266246
N/A

Relative:
Lower

UST:

Actual:
956 ft.

Facility ID: 00034324
Facility Type: ACTIVE
Owner Name: SELECT RIDE INC
Owner Address: 2050 COMMERCE
Owner City,St,Zip: ANN ARBOR, MI 48103
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 663-3795
Contact: Doris Wunderlich
Contact Phone: (734) 663-3795
Date of Collection: 03/16/2004
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Latitude: 42.27019
Longitude: -83.77719

Tank ID: 1
Tank Status: Currently In Use
Capacity: 12000
Product: Gasoline
Install Date: 01/01/1990
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Inventory Control
Pipe Release Detection: Automatic Line Leak Detectors,Interstitial Monitoring/Second Containment
Piping Material: Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 2
Tank Status: Currently In Use
Capacity: 550
Product: Used Oil
Install Date: 01/01/1990
Remove Date: Not reported
Tank Release Detection: Inter Monitoring/Second Containment
Pipe Release Detection: Interstitial Monitoring/Second Containment,Line Tightness Testing
Piping Material: Fiberglass reinforced plastic
Piping Type: Gravity Fed?
Construction Material: Double Walled,Polyethylene Tank Jacket
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A4
North
1/8-1/4
0.225 mi.
1187 ft.

MICHIGAN BELL TELEPHONE COMPANY
550 S MAPLE RD
ANN ARBOR, MI 48103

RCRA-CESQG **1004722856**
MID981954365

Site 2 of 3 in cluster A

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 03/09/1987

Facility name: MICHIGAN BELL TELEPHONE COMPANY

Facility address: 550 S MAPLE RD
ANN ARBOR, MI 48103

EPA ID: MID981954365

Mailing address: 36 SOUTH FAIRVIEW AVE
PARK RIDGE, IL 60068

Contact: MANDY BOHLMAN

Contact address: 550 S MAPLE RD
ANN ARBOR, MI 48103

Contact country: US

Contact telephone: (877) 648-2073

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: MICHIGAN BELL TELEPHONE

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/22/2002

Owner/Op end date: Not reported

Owner/operator name: MICHIGAN BELL TELEPHONE

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/22/2002

Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN BELL TELEPHONE COMPANY (Continued)

1004722856

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

Hazardous Waste Summary:

Waste code: D001
Waste name:

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

Violation Status: No violations found

A5
North
1/8-1/4
0.225 mi.
1187 ft.

ANN ARBOR GARAGE (GEOLOC M65121)
550 S MAPLE RD
ANN ARBOR, MI 48103
Site 3 of 3 in cluster A

LUST U000266458
UST N/A

Relative:
Lower

LUST:

Facility ID: 00011796
Source: STATE OF MICHIGAN
Owner Name: AT&T Michigan
Owner Address: 308 S Akard Ste 1700
Owner City,St,Zip: Dallas, TX 75202
Owner Contact: Lisa Espinosa
Owner Phone: (877) 648-2073
Country: USA
District: Jackson District Office
Site Name: Ann Arbor Garage
Latitude: 42.27572
Longitude: -83.78048
Date of Collection: 02/21/2002
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
957 ft.

Leak Number: C-0330-03
Release Date: 08/11/2003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANN ARBOR GARAGE (GEOLOC M65121) (Continued)

U000266458

Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 02/08/2005

UST:

Facility ID: 00011796
Facility Type: CLOSED
Owner Name: AT&T MICHIGAN
Owner Address: 308 S AKARD STE 1700
Owner City,St,Zip: DALLAS, TX 75202
Owner Country: USA
Owner Contact: Lisa Espinosa
Owner Phone: (877) 648-2073
Contact: Environmental Management
Contact Phone: (877) 648-2073
Date of Collection: 02/21/2002
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Latitude: 42.27572
Longitude: -83.78048

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 10000
Product: Gasoline
Install Date: 05/08/1958
Remove Date: 11/01/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 275
Product: LUBE
Install Date: 05/08/1958
Remove Date: 11/01/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 275
Product: Used Oil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANN ARBOR GARAGE (GEOLOC M65121) (Continued)

U000266458

Install Date: 05/08/1958
Remove Date: 11/01/1989
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 275
Product: ANTIFREEZE
Install Date: 05/08/1958
Remove Date: 11/01/1989
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 275
Product: SOLVENTS
Install Date: 05/08/1958
Remove Date: 11/01/1989
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 10000
Product: Gasoline
Install Date: 01/01/1990
Remove Date: 10/07/2003
Tank Release Detection: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Inventory Control
Pipe Release Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping
Piping Material: Double Walled, Fiberglass reinforced plastic
Piping Type: Gravity Fed?
Construction Material: Double Walled, Fiberglass Reinforced plastic
Impressed Device: No

Count: 6 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ANN ARBOR	U000266166	SHELL STATION	1251ST N MAPLE & MILLER		LUST, UST
ANN ARBOR	U000266169	MARATHON UNIT #1793	1300TH N MAPLE & MILLER		LUST, UST
ANN ARBOR	1015731350	M14 ROLLOVER	S BOUND RAMP	48103	CERCLIS
ANN ARBOR	S103595056	UNIV OF MICH HOSPITAL FULLER RD	FULLER RD	48103	SHWS
ANN ARBOR	U004182007	LIBERTY STREET	221 W LIBERTY	48103	UST
ANN ARBOR	U003758877	ANN ARBOR PIPE & SUPPLY	20295 STATE		LUST, UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/10/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/04/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 04/10/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/05/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 12/19/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2012	Telephone: 703-603-0695
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/19/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2012	Telephone: 703-603-0695
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

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

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

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

Date of Government Version: 01/28/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/30/2013	Telephone: 517-373-9541
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 01/30/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/03/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/03/2013	Telephone: 517-335-4035
Date Made Active in Reports: 01/14/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/15/2013
	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: 02/01/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/19/2013	Telephone: 517-373-9837
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 02/19/2013
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

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

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/12/2013
	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: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/12/2013
	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: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/28/2012	Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 05/01/2013
Number of Days to Update: 162	Next Scheduled EDR Contact: 08/12/2013
	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: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-8677
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 02/07/2013	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/08/2013	Telephone: 517-335-7211
Date Made Active in Reports: 03/04/2013	Last EDR Contact: 04/23/2013
Number of Days to Update: 24	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Annually

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: 02/01/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/19/2013	Telephone: 517-335-4035
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 02/19/2013
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 02/21/2013	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/26/2013	Telephone: 517-373-8168
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: No Update Planned

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

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: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/18/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

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

Date of Government Version: 03/28/2012
Date Data Arrived at EDR: 03/28/2012
Date Made Active in Reports: 04/20/2012
Number of Days to Update: 23

Source: Department of Natural Resources & Environment
Telephone: 517-373-4828
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

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

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/27/2012
Date Data Arrived at EDR: 07/31/2012
Date Made Active in Reports: 09/20/2012
Number of Days to Update: 51

Source: Department of Natural Resources & Environment
Telephone: 517-373-4805
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 05/01/2007
Number of Days to Update: 21

Source: Economic Development Corporation
Telephone: 888-522-0103
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

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

Other Ascertainable Records

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: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/26/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Biennially

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: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/18/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/18/2013	Telephone: 860-424-3375
Date Made Active in Reports: 03/21/2013	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 08/28/2012	Last EDR Contact: 04/19/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/29/2013
	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: 02/01/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/07/2013	Telephone: 518-402-8651
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 02/07/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: 05/20/2013
	Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/23/2012	Telephone: 717-783-8990
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 04/23/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/22/2012	Telephone: 401-222-2797
Date Made Active in Reports: 07/31/2012	Last EDR Contact: 02/25/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 09/27/2012	Last EDR Contact: 03/18/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/01/2013
	Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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HISTORIC SANBORN FIRE INSURANCE MAPS





S. Maple Meadows

800 S. Maple Road
Ann Arbor, MI 48103

Inquiry Number: 3598506.2

May 06, 2013

Certified Sanborn® Map Report

Certified Sanborn® Map Report

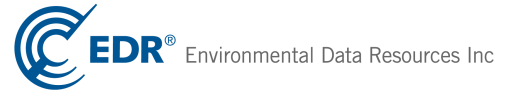
5/06/13

Site Name:

S. Maple Meadows
800 S. Maple Road
Ann Arbor, MI 48103

Client Name:

The Mannik & Smith Group
2365 Haggerty Road South
Canton, MI 48188



EDR Inquiry # 3598506.2

Contact: Michelle Henn

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Certified Sanborn Results:

Site Name: S. Maple Meadows
Address: 800 S. Maple Road
City, State, Zip: Ann Arbor, MI 48103
Cross Street:
P.O. # NA
Project: E1720001 - S. Maple meadows
Certification # DBE5-4D23-917A



Sanborn® Library search results
Certification # DBE5-4D23-917A

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

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SECTION 10.8

Environmental Professional Profiles

EDUCATION

B.S., Geology, Wayne State University, 1984

CERTIFICATIONS

Certified Professional Geologist (CPG), American Institute of Professional Geologists (AIPG), #9977
Certified Professional Geologist (CPG), State of Kentucky, #1958
Registered Professional Geologist (RPG), State of Indiana, #1428
Certified Underground Storage Tank Professional (CP), State of Michigan, #613
Certified Lead Inspector/Risk Assessor, State of Michigan, MDCH, #P-04659
Licensed Lead Risk Assessor, State of Ohio, #LA-008582
Accredited Asbestos Inspector, State of Michigan, LARA, #A40959

PROFESSIONAL EDUCATION COURSES

Sampling Strategies and Statistics Training for Part 201 Cleanup Criteria, Michigan Department of Environmental Quality (MDEQ)
Risk Based Corrective Action, Foster Wheeler
40-Hour HAZWOPER Initial Health and Safety Training
8-Hour HAZWOPER Supervisor Health and Safety Training
8-Hour HAZWOPER Health and Safety Refresher
Management & Unions Serving Together (MUST) Safety Training Certified

PROFESSIONAL EXPERIENCE

DUE DILIGENCE

Environmental Due Diligence, National Automotive Dealership Program— Lead technical resource and client contact for Big 3 automotive manufacturer national dealership program. Managed National Dealership Program which involved expeditious evaluation (Phase I and II ESAs and environmental compliance surveys) of environmental due diligence issues at dealerships throughout the US. Also acted as project manager for numerous commercial and industrial investigation/remediation projects throughout the country.

Preliminary Site Investigations, Ohio Department of Transportation – Provided pre-construction investigation services for ODOT on I-75 interchange improvement project in northeastern Ohio. The investigations involved evaluation of potential environmental concerns that could affect proposed construction activities and subsurface evaluation of soils along proposed interchange improvement areas for the purpose of determining soil and groundwater handling procedures during construction. Activities included assessment of properties suspected of environmental impact along the corridor, selection of target areas for subsurface investigation and locating soil borings, collection of soil and groundwater samples in target areas and a comprehensive report of the results, including recommendations of soil and groundwater handling

Property Transactions, Environmental Due Diligence — Provided due diligence and property consulting for national housing developer. Projects ranged in size from 40 to 150 acres and included both brownfield and greenfield sites. Services included environmental assessments, remediation, geotechnical studies, groundwater

monitoring, UST removals/closures, construction testing, pre-demolition hazardous material surveys and abatement, demolition oversight and various engineering tasks.

Multi-Site Property Transactions, Environmental Due Diligence — Provided expedited due diligence and property consulting for an entity seeking to purchase a portfolio of high end sea food restaurants located in the eastern US from Michigan to Florida. The due diligence had to be completed within a six week timeframe. Activities included Phase Is at each of the sites and Phase IIs at approximately half of the sites. Significant challenges included a short (six weeks) due diligence period and access issues associated with assessing luxury establishments.

Site Acquisition, Environmental Due Diligence, — Provided Phase I and Phase II ESAs on multiple brownfield sites for urban school district in southeast Michigan. District is located in an area that has been developed since the late 1800's and several of the properties were formerly utilized for industrial purposes. Duties included Phase I ESAs, soil and groundwater sampling, Baseline Environmental Assessments/Due Care Plans, remediation and UST removal/closures.

LUST/UST

Multisite Project Management, Michigan — Certified UST professional, senior technical review and program manager for more than 350 retail petroleum facilities owned and operated by three major oil companies. Responsibilities included client communication, technical report review and signoff as Certified US professional. Project work included UST removals, initial abatement measures, site assessments, site investigations, corrective actions, and remediation.

Risk Based Site Closures, Michigan — Involved with the implementation of RBCA for commercial, industrial, municipal and educational clients to include risk assessment, exposure pathway determination, reporting, and closure. Supervised closures of more than 60 sites under RBCA. Attended MDEQ and ASTM training courses on RBCA.

REMEDIATION/BROWNFIELDS

Former Southfield Downs/Landfill Brownfield Redevelopment, Spring Haven, Southfield, Michigan — Performed due diligence and remediation services for the Brownfield redevelopment of a 50 acre mobile home park (Southfield Downs) that had been constructed over a former unregulated landfill. The redevelopment was performed by a leading national residential home builder. Due diligence and site characterization activities were complicated by access issues associated with the operating mobile home park. This project also involved a comprehensive hazardous material survey, the removal and closure of two underground storage tanks and the abandonment of three water supply wells. Remediation activities included asbestos abatement, hazardous material removal (miscellaneous paints, cleaners, fuel containers, refrigerant containing devices etc.), removal of over 50 fuel oil ASTs and sampling/characterization/disposal of eight electrical transformers. In addition, over 45,000 tons of waste materials were removed from 17 separate disposal cells and over 500,000 gallons of water entrained within the waste was removed. The redevelopment involved the construction of residential condominiums and for-sale homes.

UAW-GM Center for Human Resources, Detroit, Michigan - Designed and implemented remedial investigation of former industrial property on the banks of the Detroit River and negotiated MDEQ approved limited closure. Implemented and managed full time environmental health and safety monitoring program during the redevelopment of property into the UAW-GM Center for Human Resources. Program length exceeded two years and involved full time staff member monitoring of environmental conditions, rapid response to discovery of environmental issues, and a fugitive dust-monitoring network.

Roosevelt Refinery, Mount Pleasant, Michigan - Co-authored an Interim Remedial Action Plan for the former Roosevelt (Total) refinery located in Mt. Pleasant, Michigan. The site had been ranked as the second highest scoring Act 307 (Pre Act 451) site in Michigan. The IRAP involved a combination of deed restrictions, bioremediation, soil vapor extraction, excavation, engineered exposure barriers, sediment dredging and sheet pile barriers.

Former Herman Gardens Public Housing Development, Detroit, Michigan - Designed and implemented HUD Environmental Assessment and Construction Readiness Assessment for the former Herman Gardens Public Housing Development in Detroit, Michigan. The project site encompasses 139 acres and was demolished in the 1990s. The redevelopment of the site is considered the largest and most significant public housing project in the City. Project included focused geophysical, geotechnical and environmental characterization, Brownfield Support, MDEQ negotiations, remedial cost estimates and MSHDA financing support.

ASBESTOS/LEAD BASED PAINT

Detroit Housing Commission - Professional Services Contract for Industrial Hygiene and Environmental Services - Services consisted primarily of expedited Agency-Wide Asbestos Surveys and Lead Based Paint Inspections/Risk Assessments on numerous multi-family (typically high rise buildings) developments and hundreds of scattered single family homes throughout Detroit. Subsequent to the abatement of identified regulated asbestos containing materials and/or lead based paint hazards, clearance testing was performed.

Confidential Redevelopment of 125 Unit Apartment Building in Detroit, Michigan –The building, located in the New Center area was originally constructed in the early 1900's and had been vacant for approximately 10 years. Due Diligence activities included Phase I and Phase II ESAs in accordance with MSHDA and HUD requirements. Asbestos and lead based paint activities included a comprehensive pre-renovation asbestos survey in accordance with NESHAP and a lead based paint inspection based on HUD's random statistical protocol. The work was complicated by the poor condition of the building's interior components and because it was determined that the building had actually been constructed in 2 separate phases.

Miscellaneous Residential, Commercial, Industrial and Educational Projects in Michigan and Ohio- Managed numerous asbestos and lead based paint projects for various clients in Michigan and Ohio. Projects were often associated with other due diligence activities and included one or more of the following services: asbestos surveys in accordance with NESHAP and or AHERA protocols; preparation of Operation and Maintenance or AHERA Management plans; lead based paint inspections and risk assessments in accordance with Michigan, Ohio, HUD and/or MSHDA protocols; development of abatement specifications; contractor procurement; abatement oversight/air sampling; and, clearance sampling.

EMPLOYMENT

PM Environmental, Inc. (Senior Project Manager), 2011 to 2012

The Mannik & Smith Group, Inc. (Senior Project Manager), 2008 to 2011

Testing Engineers & Consultants, Inc. (Senior Geologist), 2000 to 2008

EnecoTech Midwest, Inc. (Senior Geoscientist), 1995-2000

Testing Engineers & Consultants, Inc. (Project Geologist), 1990 to 1995

Wayne County Environmental Health Dept., Solid Waste Division (Sanitarian), 1987 to 1990

PROFESSIONAL AFFILIATIONS

American Institute of Professional Geologists
MDEQ UST Stakeholders Workgroup - AIPG Representative
MDEQ Landfill Redevelopment Guidance Peer Review Committee
MDEQ Groundwater Evaluation Guidance Peer Review Committee

EDUCATION

B.S., Environmental Engineering, Michigan Technological University, 1997

PROFESSIONAL EDUCATION COURSES

40-Hour HAZWOPER Initial Health and Safety Training
8-Hour HAZWOPER Health and Safety Refresher
Management & Unions Serving Together (MUST) Safety Training Certified

PROFESSIONAL EXPERIENCE

DUE DILIGENCE

Property Transactions, Environmental Due Diligence — Conducted, managed, and reviewed over 1,000 Phase I Environmental Site Assessments (ESAs), Phase II ESAs, Baseline Environmental Assessments (BEAs), and Due Care Plans of residential and commercial properties as part of environmental due diligence activities required to procure financing through public (HUD/MSHDA) and private financial institutions. Phase I ESAs were conducted in accordance with applicable ASTM International Standards (E1527, E1528), financial institution requirements, and HUD and MSHDA requirements (24.CFR Part 50 and 24.CFR Part 58, NEPA, noise).

Gardenview Estates, Environmental Due Diligence — Environmental engineer and project manager for the environmental aspects of the redevelopment of the 139-acre former Herman Gardens Public Housing Development in Detroit, Michigan. The property is currently being developed in the Gardenview Estates housing development. Worked closely with the Detroit Housing Commission (DHC) and multiple developers since 2004 to support the redevelopment activities. Activities at Gardenview Estates included Phase I ESAs, Phase II ESAs, a post-demolition construction readiness assessment, HUD EAs, MSHDA Phase I ESAs, BEAs, Due Care Plan preparation and implementation, and a MSHDA industrial hygiene clearance assessment for occupancy. Environmental activities were conducted to meet the requirements of the MDNRE, public (HUD/MSHDA) and private financial institutions to ensure that environmental requirements were met and funding of the project was not delayed.

Woodbridge and Cornerstone Estates, Environmental Due Diligence — Worked with DHC and developers for over 10 years to comply with HUD/MSHDA and financial institution requirements for multiple Phase I ESAs, Phase II ESAs, HUD EAs, and MSHDA Phase I ESAs of the Jeffries East and Jeffries West multi-tenant residential developments in Detroit, Michigan in support of redevelopment activities (Woodbridge and Cornerstone Estates).

ENVIRONMENTAL COMPLIANCE

City of Auburn Hills, Environmental Compliance — Project Manager for the City of Auburn Hills as the City's representative during ongoing monitoring of the Oakland Heights Landfill located within the city limits. Duties include the review and summarizing of sampling conducted by the landfill and presenting the information to the City of Auburn Hills Council during regular public city council meetings.

Grand Ledge Public Schools, Environmental Compliance — Project Manager for Grand Ledge Public Schools, conducting environmental, health, and safety reviews throughout the school system to ensure compliance with OSHA, MIOSHA, MDNRE, and EPA regulations. Developed and/or reviewed compliance plans for drinking water wells, storm water management, spill prevention and countermeasures, confined space, hazard assessment, hazard communication, and playground safety. Personally conducted training on various environmental, health, and safety topics for school district employees.

Grand Ledge Public Schools, Storm Water Permit Compliance — Developed NPDES Phase II storm water management plans for two large school districts in southeast Michigan to achieve compliance with the NPDES and MDNRE rules and regulations. Compliance activities included mapping of district storm water outfalls, dry-weather screening, and annual reporting to the MDNRE with summaries of completed activities, upcoming activities, and compliance achieved.

EMPLOYMENT

The Mannik & Smith Group, Inc. (Environmental Scientist), 2011 to 2012

Testing Engineers & Consultants, Inc. (Staff Engineer), 1999 to 2010

Giffels-Webster Engineers, Inc. (Staff Engineer), 1997-1999

Michigan Department of Transportation (Student co-op), 1995

SECTION 10.9

MSHDA Reliance Letter



Environmental Resources Group

28003 Center Oaks Court • Suite 106 • Wixom, MI • 48393
Phone: 248-773-7986 • Fax: 248-924-3108

LETTER OF RELIANCE

July 26, 2013

PRIVILEGED AND CONFIDENTIAL

Mr. Dan Lince, Environmental Manager
Rental Development Division
Michigan State Housing Development Authority
735 East Michigan Avenue
Lansing, Michigan 48912

**Re: Phase I Environmental Site Assessment
South Maple Meadows
800-890 South Maple Road, Ann Arbor, Michigan
Environmental Resources Group, LLC Project 1129.001
Dated: July 26, 2013**

Dear Mr. Lince:

Please find enclosed the Phase I Environmental Site Assessment for the subject property dated July 26, 2013 to the Michigan State Housing Development Authority.

It is our understanding that the information contained in the Phase I Environmental Site Assessment will be used by the Authority in considering proposed financing of residential development of the subject property and, furthermore, that the Authority may rely upon the Phase I Environmental Site Assessment as if it were issued to the Authority.

We **represent** that the attached is a true, correct and complete copy of the Phase I Environmental Site Assessment for the above captioned property and that the report represents our professional opinion of the site as of this date and that we meet the definition of an Environmental Professional as defined in Section 312.10 of 40 CFR 312. We also **represent** that the Phase I Environmental Site Assessment including the evaluation, recommendations, and conclusions as of this date has been performed in conformance with the scope and limitations of the ASTM Practice E1527-05, ASTM Practice E 2600-10 and MSHDA'S Environmental Review Requirements for 2013.

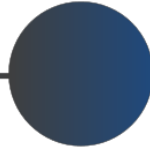
Sincerely,
Environmental Resources Group, LLC

Penny M. Dwoinen
Project Engineer

Andrew J. Foerg, CPG
Senior Project Manager

SECTION 10.10

**Professional Liability Insurance Certificates
Signed Proposal**



March 27, 2012

Ms. Lori Harris
Norstar Development USA, L.P.
733 Broadway
Albany, New York 12207

**Re: MSHDA Compliant Environmental Services
Phase I ESA/Asbestos Survey/LBP Insp-RA/Radon/NEPA
Ann Arbor Housing Commission – Maple Meadows
800-890 South Maple Road, Ann Arbor, Michigan
ERG Proposal #1129r.001p**

Dear Ms. Harris,

Environmental Resources Group, LLC (ERG) is pleased to present this proposal to provide MSHDA Compliant Environmental Services for the referenced property in Ann Arbor, Michigan. ERG understands that the subject property is scheduled for renovation and that MSHDA financing is proposed. Our proposed scope of services is described below:

Scope of Work

Phase I ESA - ERG will complete a Phase I ESA for the subject property and provide a written report summarizing the work performed, results, and conclusions. This ESA will be performed in general accordance with the All Appropriate Inquiry (AAI) rules, ASTM E 1527-05 protocol for Phase I ESAs and MSHDA Environmental Review Requirements For 2013. If out-of-scope considerations are requested, ERG will provide an additional fee estimate to assess these at the subject property.

Asbestos Survey – The asbestos survey will be performed by accredited Asbestos Inspectors in general accordance with NESHAP Guidelines. The survey will encompass visually accessible building materials and include the collection of bulk samples, which will be submitted for laboratory analysis by the PLM method. Please note that the proposed level of effort is based on the understanding that the subject building(s) is occupied, and that destructive methods to access areas/materials that are not readily observable (i.e. within wall/ceiling cavities, below finished flooring etc.) will not be performed. Therefore, it is possible that additional suspect materials may be encountered during renovation activities, and if so, additional sampling costs will be incurred. In addition, in an effort to avoid damage to the building envelope (and the potential to void warranties), roofing materials will not be sampled and will be assumed to be asbestos containing. If specifically requested, ERG can perform sampling of suspect roofing materials; however Client will be solely responsible for repairing the sampled areas. Sample analysis will be performed on a standard (5 business day) turnaround basis.

The proposed scope includes the collection and PLM analysis of suspect asbestos containing building materials. Certain materials may have more than one layer (i.e. floor tile typically has 2 layers – tile and mastic). It is estimated that 220-260 sample layers will require analysis. Actual analytical costs will be based on the number of sample layers analyzed. The unit cost for each sample layer analyzed is \$11.00.

Lead Based Paint Inspection and Risk Assessment – A LBP Inspection and Risk Assessment will be performed in accordance with HUD's "Guidelines for the Evaluation and Control of Lead-Based Paint in Housing". The number of units to be evaluated (18) is based on the HUD approved "random method" and the actual units to be evaluated will be determined using a random number generator. The inspection will be performed with an XRF meter. Reasonable efforts will be made to inspect and assess building components; however there may be cases where occupant furnishings limit access. The risk assessment will include the collection and analysis of lead dust wipe and soil samples. Analysis of the samples will be performed on a standard (5 business day) turnaround basis.

The proposed scope includes the collection and laboratory analysis of dust wipe and soil samples. It is estimated that 190-220 samples will require analysis. Actual analytical costs will be based on the number of sample layers analyzed. The unit cost for each sample analyzed is \$8.00.

Radon Testing – MSHDA requires radon testing for all developments located in Washtenaw County. MSHDA radon testing requirements follow MDEQ recommendations for multifamily housing which are that the lowest livable level of each unit in contact with the ground be tested. It is assumed that a maximum of 15 units will require radon testing, therefore up to 15 radon samples will be collected for analysis. Analysis of the samples will be performed on a standard (5 business day) turnaround basis.

NEPA Review – MSHDA guidance requires that "categorically excluded projects" (which include the majority of initial submissions to MSHDA Rental Development), must demonstrate compliance with certain federal laws and related authorities through completion of the NEPA statutory checklist. ERG assumes that the proposed redevelopment of the subject property is a categorically excluded project.

The NEPA statutory checklist will be completed by a subcontracted environmental professional listed on MSHDA's Qualified Consultant List.

COMMENTS

In order to complete the proposed project tasks in an efficient manner, cooperation between team members (Client, ERG and the Housing Commission) is crucial. The proposed scope of work and costs are based on the assumption that significant access issues will not be encountered. In the event that additional mobilizations are required due to lack of access, additional costs will be incurred.

ERG's General Conditions and Fee and Rate Schedule are attached and made part of this proposal. This proposal will expire in 60 days. If this proposal meets with your approval, please sign in the space provided on the attached Professional Services Authorization and return a copy to us.

Lori Harris – Norstar Development USA, L.P.

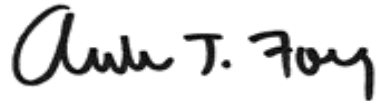
March 27, 2013

Page 3

Thank you for the opportunity to provide this proposal to you. If you have any questions, please contact us at 248-763-3639.

Sincerely,

ENVIRONMENTAL RESOURCES GROUP, INC.

A handwritten signature in black ink that reads "Andrew J. Foerg". The signature is written in a cursive, flowing style.

Andrew J. Foerg, CPG
Senior Project Manager

Enclosures

PROFESSIONAL SERVICES AUTHORIZATION

Fee Estimate Prepared For:	Ms. Lori Harris Norstar Development USA, L.P. 733 Broadway Albany, New York 12207	Site Address:	Maple Meadows 800-890 South Maple Road Ann Arbor, MI
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Type of Project:	MSHDA Compliant Environmental Services	Proposal #:	112gr.001p
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Project Description MSHDA Compliant Environmental Services, Maple Meadows

Fee Estimate:

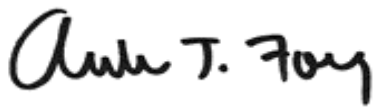
Phase I ESA	\$3,300	Lump Sum
ACM Survey*	\$1,800	Labor/Materials
Lead Based Paint**	\$3,100	Labor/Materials
Radon***	\$750	15 samples
NEPA	\$1,200	Lump Sum

*Fee Estimate includes labor and materials only. Unit rate per sample layer analyzed is \$11.00.

** Fee Estimate includes labor and materials only. Unit rate per sample analyzed is \$8.00.

*** Fee Estimate includes labor, materials and sample analysis at unit rate per sample of \$50.00.

Attached and made part of this Fee Estimate are ERG's General Conditions. Invoice payments are due within 30 days of receipt. Client agrees to pay a finance charge of one and one-half percent (1-1/2%) per month on past due accounts.



Offered by: _____ Date: March 27, 2013

Accepted by: _____ Date: _____



Fee Estimate Ms. Lori Harris **Site Address:** Maple Meadows
Prepared For: Norstar Development USA, L.P. 800-890 South Maple Road
733 Broadway Ann Arbor, MI
Albany, New York 12207

Type of Project: MSHDA Compliant Environmental **Proposal #:** 1129r.001p
Services

Project MSHDA Compliant Environmental Services, Maple Meadows
Description

Fee Estimate:

Phase I ESA	\$3,300	Lump Sum
ACM Survey*	\$1,800	Labor/Materials
Lead Based Paint**	\$3,100	Labor/Materials
Radon***	\$750	15 samples
NEPA	\$1,200	Lump Sum

*Fee Estimate includes labor and materials only. Unit rate per sample layer analyzed is \$11.00.

** Fee Estimate includes labor and materials only. Unit rate per sample analyzed is \$8.00.

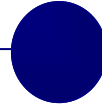
*** Fee Estimate includes labor, materials and sample analysis at unit rate per sample of \$50.00.

Attached and made part of this Fee Estimate are ERG's General Conditions. Invoice payments are due within 30 days of receipt. Client agrees to pay a finance charge of one and one-half percent (1-1/2%) per month on past due accounts.

Offered by: Andrew T. Fory Date: March 27, 2013
Accepted by: [Signature] Date: 4/3/13

General Terms and Conditions for Environmental Resources Group, LLC

1. Environmental Resources Group, LLC. (ERG) shall invoice Client periodically for the services performed under this Agreement based on ERG's current fee schedule of charges. Client shall pay such invoices upon receipt. The invoice amounts shall be presumed to be correct unless the client notifies ERG in writing within fourteen (14) days of receipt. The Client agrees to pay actual attorney fees and costs necessary to collect on past due accounts.
2. If Client fails to pay an invoice when due, ERG may suspend all services until invoice is paid in full. If payment in full is not made within sixty (60) days of invoice date, ERG may treat such nonpayment as a material breach of this agreement by the client and may terminate this agreement.
3. ERG shall perform its services in a manner consistent with the standard of care and skills ordinarily exercised by members of the profession practicing under similar conditions in the geographical vicinity and at the time the services were performed. This agreement neither makes nor intends a warranty or guarantee, express or implied, nor does it create a fiduciary responsibility to the Client by ERG. ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS, AND WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW.
4. Services provided under this agreement, including all reports, information, or recommendations prepared or issued by ERG, are for the exclusive use of the client for the project specified. No other use is authorized under this agreement. Client will not distribute or convey ERG's reports or recommendations to any person or organization other than those identified in the project description without ERG's written authorization. Client releases ERG from liability and agrees to defend, indemnify, protect and hold harmless ERG from any and all claims, liabilities, damages, or expenses arising, in whole or in part, from such unauthorized distribution.
5. ERG shall sign certifications only if ERG approves the form of such certification prior to the commencement of services, and provided such certification is limited to a statement of professional opinion and does not constitute a warranty or guarantee, express or implied.
6. ERG's reports, boring logs, maps, field data, drawings, test results, and other similar documents are instruments of professional service, not products. ERG reserves the right to copyright such documents; however, such copy right is not intended to limit the client's use of the services provided under this agreement other than described in paragraph 4.
7. Client will make available to ERG all known and available information regarding existing conditions, including the existence of hazardous or dangerous materials, and proposed uses of the project site. Client will transmit immediately to ERG any information that becomes available or any change in plans. Client agrees to defend, indemnify protect, and hold harmless ERG from any and claims, liabilities, damages, or expenses arising, in whole or in part, from such information.
8. Client shall secure the permission necessary to allow ERG personnel and equipment to access to the Project Site at no cost to ERG.
9. The Client shall be responsible for correctly designating the location of all property lines of the project site and all subsurface installations, such as pipes, tanks, cable, electrical lines, telephone line and utilities within the project site unless otherwise agreed in writing.
10. ERG is not responsible for the completion or quality of work that is dependent upon or performed by the Client or third parties not under the direct control of ERG, nor is ERG responsible for their acts or omissions or for any damages resulting there from.
11. Neither Client nor any other person may change or modify ERG's work product without ERG's written authorization. Client releases ERG from liability and agrees to defend, indemnify, protect, and hold harmless ERG from any and all claims, liability, damages, or expenses arising, in whole or in part, from such unauthorized changes or modifications.
12. Client waives any claim against ERG and agrees to defend, indemnify, protect and hold harmless ERG from any and all claims, liabilities, damages or expenses, including but not limited to reduction of property value, fear of or actual exposure to or release of toxic or hazardous substances, which may arise directly or in directly as a result of the service provided by ERG under this agreement, unless such injury is caused by the sole negligence or willful misconduct of ERG. IN NO EVENT SHALL EITHER PARTY BE LIABLE FOR ANY SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, LOST PROFITS OR ANY INDIRECT DAMAGES, HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY WHETHER BASED ON BREACH OF CONTRACT, BREACH OF WARRANTY OR TORT (INCLUDING NEGLIGENCE).
13. Client agrees to limit ERG's liability due to professional negligence and to any liability arising out or relating to this agreement to fifty thousand dollars (\$50,000) or the amount of ERG's fee, whichever is less. This limit applies to all services on this project, whether provided under this or subsequent agreements, unless modified in writing, agreed to and signed by authorized representatives of the parties.
14. Client agrees to require that its contractors and subcontractors engaged on the project will include identical limitation as described in paragraph 13 reducing ERG's liability in their agreement for work on this project.
15. Client agrees that if any dispute arising out of or relating to this agreement, or its breach, is not settled through direct discussions, then before initiating litigation, the parties will endeavor for 30-days following written notice by either the client or ERG to the other of a dispute or breach, to settle the dispute by mediation with the assistance of a neutral mediator.
16. ERG is protected by Workers' Compensation Insurance; Professional errors and omissions and Contractors pollution liability insurance with a combined single coverage of \$1,000,000; Commercial automobile liability insurance with a combined single coverage of \$1,000,000. if requested in writing, the client will be listed as additionally insured for this work.
17. Client will be responsible for jobsite safety, except for ERG's employees, subcontractors and subconsultants.
18. All samples shall remain the property of the Client, and Client shall be responsible for and promptly pay for the removal and lawful disposal of samples, cuttings, and hazardous materials, unless otherwise agreed in writing.
19. Client solely shall be responsible for notifying all appropriate municipal, regional, state, or federal agencies and prospective buyers of the existence of any hazardous or dangerous material located on or in the project site, or discovered during the performance of this agreement, as may be required by such agencies, unless otherwise agreed in writing.
20. In the event ERG's work is interrupted due to delays other than delays caused by ERG, ERG may be compensated equitably (based on ERG's current fee schedule of charges) for the additional labor or other charges associated with maintaining its work force for Client's benefit during the delay or at the option of the Client, for charges incurred by ERG for demobilization and subsequent remobilization.
21. If, during the course of performance of this agreement, conditions or circumstances are discovered which were not contemplated by either the client or ERG at the commencement of this agreement, either the client or ERG should notify in writing of the newly discovered condition or circumstance and the Client and ERG shall renegotiate, in good faith, the terms and conditions of this agreement. If amended terms and conditions cannot be agreed upon within thirty (30) days after notice, ERG may terminate this agreement and be compensated under paragraph 22 in this agreement.
22. This agreement may be terminated by either party upon ten (10) days written notice sent by certified mail, return receipt requested. In the event of a termination, Client shall pay for all work performed and demobilization by ERG though the tenth (10th) day after mailing the notice of termination based on ERG's current fee schedule of charges. The limitation of liability and indemnity obligation of this agreement shall be binding notwithstanding any termination of this agreement.
23. Except for actions, such as for enforcement of Mechanic's liens, which are required by statute to be brought in a specific venue, in the event that litigation is instituted under the terms of this agreement, the same is to be brought and tried in the judicial jurisdiction of the State of Michigan. Client waives the right to have the suite brought, or tried in, or removed to, any other State and in all cases this agreement shall be governed by Michigan law.
24. Neither the Client nor ERG shall assign its interest in this agreement without the written consent of the other.
25. ERG's services are performed as an independent consultant and not as the Client's agent, partner, or joint venture.
26. This agreement, including ERG's written proposal, change orders and Fee Schedule incorporated herein by reference, represent the entire agreement and supersede any prior or subsequent communication, representations or oral agreements, of the parties. The terms of this agreement will prevail over any different or additional terms in the Clients purchase order or other forms unless agreed in writing by ERG. Any modifications to this agreement shall be in writing and signed by an authorized representative of both parties. In the event any provision of this agreement is held invalid or unenforceable, the other provisions will remain in full force and effect, and binding upon the parties.



ERG

FEE AND RATE SCHEDULE

Personnel Functions:

The following expenses will be incurred on a time-and-materials basis. Personnel will be charged based on their function to the project.

Principal	\$150/hour
Senior Project Manager	\$125/hour
Project Manager	\$100/hour
Senior Engineer/Scientist	\$95/hour
Staff Engineer/Scientist	\$90/hour
Senior Technician	\$75/hour
Environmental Technician	\$60/hour
Administrative/CADD	\$55/hour

Services for expert witness testimony at depositions or court appearances will be charged at two times the standard fee rate given above.

Reimbursable Expenses:

The following expenses, when incurred in direct connection with a project, will be charged at the rates given.

Vehicle Usage	
4 x 4 Vehicle	\$1.10/mile
Passenger Vehicle	\$.75/mile
Out of Town Travel	Cost
Field Equipment	Daily Rental Rate*
Field Supplies	Usage Rate*
Subcontractor Services	Cost + 15%
Sustenance	Cost

*For specific information, refer to ERG's Field Supply and Equipment Usage Form.

Invoices: Payment terms are "Net 30 Days." Client agrees to pay a finance charge of one and one-half percent (1-1/2%) per month on past due accounts.